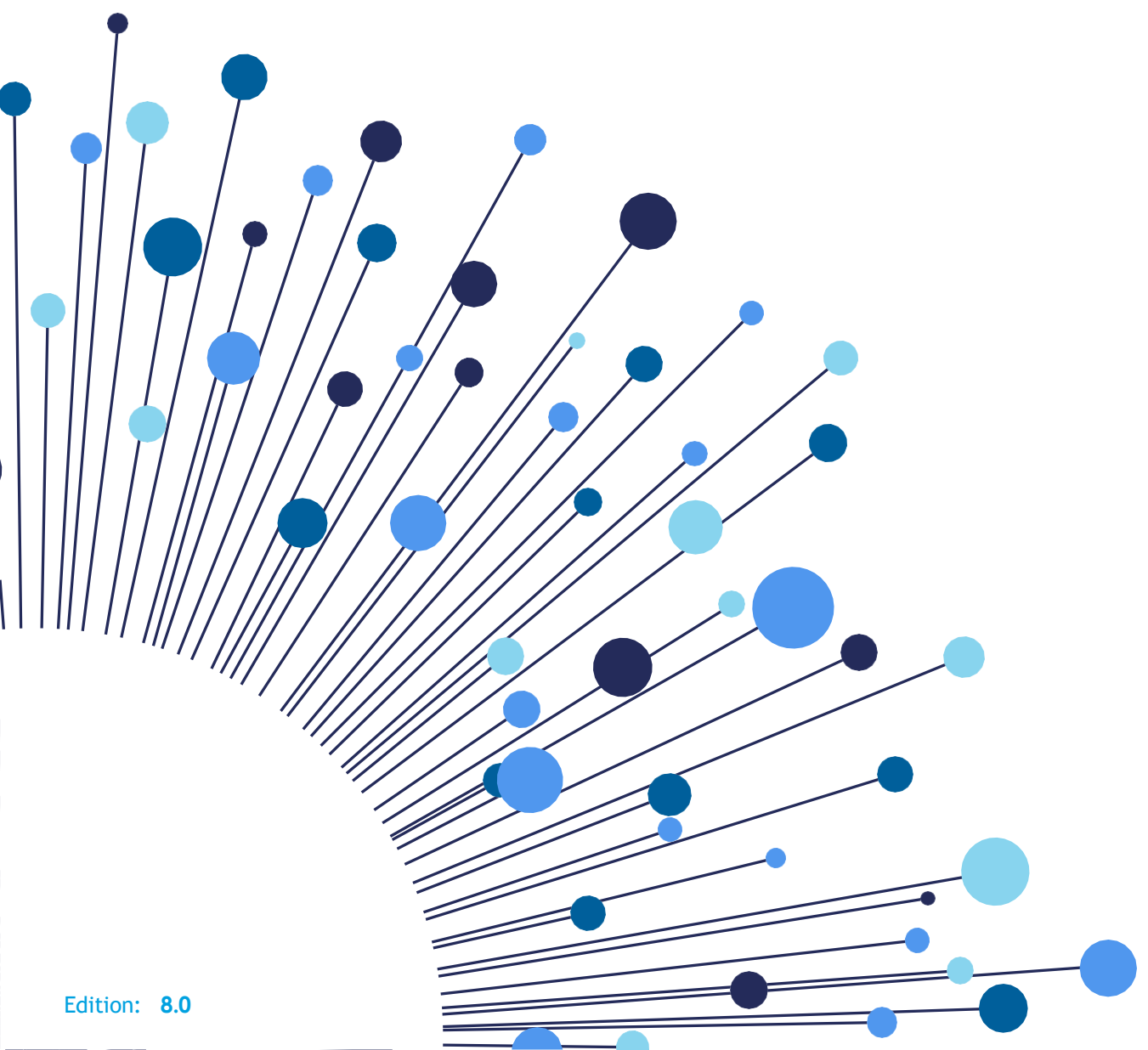




# INFORMATION LIST



## ATEX BLUE LINE INDUSTRIAL VACUUM CLEANERS





**MACHINES2CLEAN**

Cleaning up!

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 **BLUE LINE**

**ATEX ZONE 22 - IP55 -  
Single phase models  
with capacitor  
No conductive dust**

# K2M.100.022B

1~ M Ex IP55

**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




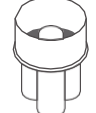

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	2,2 - 2,9	...
<b>Input voltages Y <sup>1)</sup></b>	V	230	...
<b>Current Y</b>	A	15	...
<b>Input voltages D <sup>1)</sup></b>	V	...	...
<b>Current D</b>	A	...	...
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	230   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.650	...
	mbar	265	...
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.000	...
	mbar	200	...
<b>Maximum air flow</b>	l/min	5.600	...
	m <sup>3</sup> /h	336	...
<b>Acoustic level <sup>e)</sup></b>	dB (A)	70	...
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	120	
<b>Packing weight</b>	kg	135	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K2M.100.022B</b>	2,2 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter single phase industrial vacuum cleaner	R
...	...	...

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# KB2M.100.022B

1~ M Ex IP55

**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	2,2 - 2,9	---
<b>Input voltages Y <sup>1)</sup></b>	V	230	---
<b>Current Y</b>	A	15	---
<b>Input voltages D <sup>1)</sup></b>	V	---	---
<b>Current D</b>	A	---	---
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	230   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.650	---
	mbar	265	---
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.000	---
	mbar	200	---
<b>Maximum air flow</b>	l/min	5.600	---
	m <sup>3</sup> /h	336	---
<b>Acoustic level <sup>e)</sup></b>	dB (A)	70	---
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	120	
<b>Packing weight</b>	kg	135	
<b>Dimensions - L x W x H (008)</b>	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.220 (1.520)	
<b>Standard packing size - L x W x H (008)</b>	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
<b>Diameters:</b>			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 19.500 - 1,95
	Diameter	mm 460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB2M.100.022B</b>	2,2 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
---	---	---
<b>KB2/50M.100.022B</b>	2,2 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
---	---	---

## OUTFITS

		90 l - £	50 l - €
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	X	X
<b>821</b>	Air exhaust hose fitting	R	R

 **BLUE LINE**

**ATEX ZONE 22 - IP55 -  
Three phase models  
No conductive dust**

# K3M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




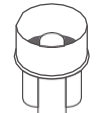

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	3,0 - 4,0	3,6 - 4,8
<b>Input voltages Y <sup>1)</sup></b>	V	400	380
<b>Current Y</b>	A	6,5	7,4
<b>Input voltages D <sup>1)</sup></b>	V	230	220
<b>Current D</b>	A	11,3	12,8
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	3.700
	mbar	320	370
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.400
	mbar	240	240
<b>Maximum air flow</b>	l/min	5.600	6.300
	m <sup>3</sup> /h	336	378
<b>Acoustic level <sup>e)</sup></b>	dB (A)	70	71
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	120	
<b>Packing weight</b>	kg	135	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K3M.022B</b>	3 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K3M.022B-60Hz</b>	3,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K3PM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	3,0 - 4,0	...
<b>Input voltages Y <sup>1)</sup></b>	V	345 ... 415	...
<b>Current Y</b>	A	7,2	...
<b>Input voltages D <sup>1)</sup></b>	V	200 ... 240	...
<b>Current D</b>	A	12,5	...
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	...
	mbar	320	...
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.200	...
	mbar	220	...
<b>Maximum air flow</b>	l/min	7.183	...
	m <sup>3</sup> /h	431	...
<b>Acoustic level <sup>e)</sup></b>	dB (A)	72	...
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	130	
<b>Packing weight</b>	kg	145	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K3PM.022B</b>	3 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
...	...	...

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K4SM.022B

3~ M Ex IP55

**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




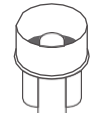

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4,0 - 5,4	...
<b>Input voltages Y <sup>1)</sup></b>	V	400	...
<b>Current Y</b>	A	8	...
<b>Input voltages D <sup>1)</sup></b>	V	230	...
<b>Current D</b>	A	13,9	...
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	5.100	...
	mbar	510	...
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.300	...
	mbar	330	...
<b>Maximum air flow</b>	l/min	5.600	...
	m <sup>3</sup> /h	336	...
<b>Acoustic level <sup>e)</sup></b>	dB (A)	75	...
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	146	
<b>Packing weight</b>	kg	161	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K4SM.022B</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
...	...	...

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K4PM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4,0 - 5,4	...
<b>Input voltages Y <sup>1)</sup></b>	V	400	...
<b>Current Y</b>	A	8	...
<b>Input voltages D <sup>1)</sup></b>	V	230	...
<b>Current D</b>	A	13,9	...
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.600	...
	mbar	260	...
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	1.800	...
	mbar	180	...
<b>Maximum air flow</b>	l/min	9.100	...
	m <sup>3</sup> /h	546	...
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	...
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	146	
<b>Packing weight</b>	kg	161	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K4PM.022B</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
...	...	...

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	X
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	X
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K4P/56M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4,0 - 5,4	...
<b>Input voltages Y <sup>1)</sup></b>	V	400	...
<b>Current Y</b>	A	8	...
<b>Input voltages D <sup>1)</sup></b>	V	230	...
<b>Current D</b>	A	13,9	...
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark</b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.650	...
	mbar	265	...
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.000	...
	mbar	200	...
<b>Maximum air flow</b>	l/min	5.600	...
	m <sup>3</sup> /h	336	...
<b>Acoustic level <sup>d)</sup></b>	dB (A)	70	...
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	156	
<b>Packing weight</b>	kg	171	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.220 x 620 x 1.770 (1.970 - 2.070)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 1.880 (2.080 - 2.180)	
<b>Diameters:</b>			
material inlet	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K4P/56M.022B</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
...	...	...

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K5SM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




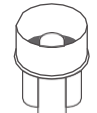

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	5,5 - 7,4	6,6 - 8,8
<b>Input voltages Y <sup>1)</sup></b>	V	400	380
<b>Current Y</b>	A	11	12,1
<b>Input voltages D <sup>1)</sup></b>	V	230	220
<b>Current D</b>	A	19	21
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	230   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	5.100	5.000
	mbar	510	500
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	4.000	4.000
	mbar	400	400
<b>Maximum air flow</b>	l/min	5.600	6.833
	m <sup>3</sup> /h	336	410
<b>Acoustic level <sup>e)</sup></b>	dB (A)	75	76
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	120	
<b>Packing weight</b>	kg	135	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K5SM.022B</b>	5,5 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K5SM.022B-60Hz</b>	6,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K5PM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	5,5 - 7,4	6,6 - 8,8
<b>Input voltages Y <sup>1)</sup></b>	V	400	380
<b>Current Y</b>	A	11	12,1
<b>Input voltages D <sup>1)</sup></b>	V	230	220
<b>Current D</b>	A	19	21
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.550	3.150
	mbar	255	315
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.500	2.500
	mbar	250	250
<b>Maximum air flow</b>	l/min	9.100	10.500
	m <sup>3</sup> /h	546	630
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	75
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	155	
<b>Packing weight</b>	kg	170	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K5PM.022B</b>	5,5 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K5PM.022B-60Hz</b>	6,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	X
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	X
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K5P/56M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




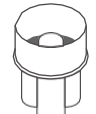

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	5,5 - 7,4	6,6 - 8,8
<b>Input voltages Y <sup>1)</sup></b>	V	400	380
<b>Current Y</b>	A	11	12,1
<b>Input voltages D <sup>1)</sup></b>	V	230	220
<b>Current D</b>	A	19	21
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark</b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.550	3.150
	mbar	255	315
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.500	2.500
	mbar	250	250
<b>Maximum air flow</b>	l/min	9.100	10.500
	m <sup>3</sup> /h	546	630
<b>Acoustic level <sup>4)</sup></b>	dB (A)	74	75
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	165	
<b>Packing weight</b>	kg	180	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.220 x 620 x 1.770 (1.970 - 2.070)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 1.880 (2.080 - 2.180)	
<b>Diameters:</b>			
material inlet	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>1)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>1)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>2)</sup>	H14
	Efficiency M.P.P.S. <sup>3) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K5P/56M.022B</b>	5,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K5P/56M.022B-60Hz</b>	6,6 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# KB3M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**


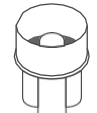

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request



TECHNICAL DATA		50 Hz	60 Hz
Power	kW - HP	3,0 - 4,0	3,6 - 4,8
Input voltages Y <sup>1)</sup>	V	400	380
Current Y	A	6,5	7,4
Input voltages D <sup>1)</sup>	V	230	220
Current D	A	11,3	12,8
Electric protection <sup>a)</sup>		IP55	
Default factory setting	V   Hz	400   50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
Insulation class <sup>b)</sup>		F	
Energetic class <sup>c)</sup>		IE1	
ATEX Mark <sup>d)</sup>		II3D - Ex h tc IIB T 135°C Dc	
Maximum vacuum	mmH <sub>2</sub> O	3.200	3.700
	mbar	320	370
Nominal vacuum <sup>2)</sup>	mmH <sub>2</sub> O	2.400	2.400
	mbar	240	240
Maximum air flow	l/min	5.600	6.300
	m <sup>3</sup> /h	336	378
Acoustic level <sup>e)</sup>	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	90 - 50	
Wheels material		Rubber	
Weight	kg	117	
Packing weight	kg	132	
Dimensions - L x W x H (008)	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
Standard packing size - L x W x H (008)	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB3M.022B</b>	3 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3M.022B-60Hz</b>	3,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3/50M.022B</b>	3 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3/50M.022B-60Hz</b>	3,6 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90l - £	50l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	X	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB3PM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	3,0 - 4,0	---
<b>Input voltages Y <sup>1)</sup></b>	V	345 ... 415	---
<b>Current Y</b>	A	7,2	---
<b>Input voltages D <sup>1)</sup></b>	V	200 ... 240	---
<b>Current D</b>	A	12,5	---
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	---
	mbar	320	---
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.200	---
	mbar	220	---
<b>Maximum air flow</b>	l/min	7.183	---
	m <sup>3</sup> /h	431	---
<b>Acoustic level <sup>e)</sup></b>	dB (A)	75	---
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90 - 50	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	118	
<b>Packing weight</b>	kg	133	
<b>Dimensions - L x W x H (008)</b>	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
<b>Standard packing size - L x W x H (008)</b>	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
<b>Diameters:</b>			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB3PM.022B</b>	3 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
---	---	---
<b>KB3P/50M.022B</b>	3 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
---	---	---

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	X	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB4SM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request



TECHNICAL DATA		50 Hz	60 Hz
Power	kW - HP	4,0 - 5,4	---
Input voltages Y <sup>1)</sup>	V	400	---
Current Y	A	8	---
Input voltages D <sup>1)</sup>	V	230	---
Current D	A	13,9	---
Electric protection <sup>a)</sup>		IP55	
Default factory setting	V   Hz	400   50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
Insulation class <sup>b)</sup>		F	
Energetic class <sup>c)</sup>		IE1	
ATEX Mark <sup>d)</sup>		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH <sub>2</sub> O	5.100	---
	mbar	510	---
Nominal vacuum <sup>2)</sup>	mmH <sub>2</sub> O	3.300	---
	mbar	330	---
Maximum air flow	l/min	5.600	---
	m <sup>3</sup> /h	336	---
Acoustic level <sup>e)</sup>	dB (A)	75	---
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	90 - 50	
Wheels material		Rubber	
Weight	kg	141	
Packing weight	kg	156	
Dimensions - L x W x H (008)	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
Standard packing size - L x W x H (008)	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 19.500 - 1,95
	Diameter	mm 460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB4SM.022B</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
---	---	---
<b>KB4S/50M.022B</b>	4 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
---	---	---

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	X	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB4PM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4,0 - 5,4	---
<b>Input voltages Y <sup>1)</sup></b>	V	400	---
<b>Current Y</b>	A	8	---
<b>Input voltages D <sup>1)</sup></b>	V	230	---
<b>Current D</b>	A	13,9	---
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.600	---
	mbar	260	---
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	1.800	---
	mbar	180	---
<b>Maximum air flow</b>	l/min	9.100	---
	m <sup>3</sup> /h	546	---
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	---
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90 - 50	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	141	
<b>Packing weight</b>	kg	156	
<b>Dimensions - L x W x H (008)</b>	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
<b>Standard packing size - L x W x H (008)</b>	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
<b>Diameters:</b>			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB4PM.022B</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
---	---	---
<b>KB4P/50M.022B</b>	4 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
---	---	---

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	X	X
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	X	X
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	X	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB4P/56M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




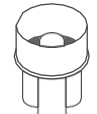

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4,0 - 5,4	...
<b>Input voltages Y <sup>1)</sup></b>	V	400	...
<b>Current Y</b>	A	8	...
<b>Input voltages D <sup>1)</sup></b>	V	230	...
<b>Current D</b>	A	13,9	...
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.600	...
	mbar	260	...
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	1.800	...
	mbar	180	...
<b>Maximum air flow</b>	l/min	9.100	...
	m <sup>3</sup> /h	546	...
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	...
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	151	
<b>Packing weight</b>	kg	166	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.025 x 620 x 1.700 (1.900 - 2.000)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.140 x 730 x 1.610 (2.010 - 2.110)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB4P/56M.022B</b>	3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>KB4P/56M.022B-60Hz</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	---

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R
<b>800</b>	Material inlet fitted on castor wheels side	X
<b>821</b>	Air exhaust hose fitting	R

# KB5SM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




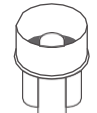

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	5,5 - 7,4	6,6 - 8,8
<b>Input voltages Y <sup>1)</sup></b>	V	400	380
<b>Current Y</b>	A	11	12,1
<b>Input voltages D <sup>1)</sup></b>	V	230	220
<b>Current D</b>	A	19	21
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	5.100	5.000
	mbar	510	500
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	4.000	4.000
	mbar	400	400
<b>Maximum air flow</b>	l/min	5.600	6.833
	m <sup>3</sup> /h	336	410
<b>Acoustic level <sup>e)</sup></b>	dB (A)	75	76
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90 - 50	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	150	
<b>Packing weight</b>	kg	165	
<b>Dimensions - L x W x H (008)</b>	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
<b>Standard packing size - L x W x H (008)</b>	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
<b>Diameters:</b>			
material inlet	mm	70	
air exhaust	mm	80	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB5SM.022B</b>	5,5 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5SM.022B-60Hz</b>	6,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5S/50M.022B</b>	5,5 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5S/50M.022B-60Hz</b>	6,6 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	X	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB5PM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**


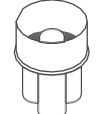

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request



TECHNICAL DATA		50 Hz	60 Hz
Power	kW - HP	5,5 - 7,4	6,6 - 8,8
Input voltages Y <sup>1)</sup>	V	400	380
Current Y	A	11	12,1
Input voltages D <sup>1)</sup>	V	230	220
Current D	A	19	21
Electric protection <sup>a)</sup>		IP55	
Default factory setting	V   Hz	400   50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
Insulation class <sup>b)</sup>		F	
Energetic class <sup>c)</sup>		IE1	
ATEX Mark <sup>d)</sup>		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH <sub>2</sub> O	2.550	3.150
	mbar	255	315
Nominal vacuum <sup>2)</sup>	mmH <sub>2</sub> O	2.500	2.500
	mbar	250	250
Maximum air flow	l/min	9.100	10.500
	m <sup>3</sup> /h	546	630
Acoustic level <sup>e)</sup>	dB (A)	74	75
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	90 - 50	
Wheels material		Rubber	
Weight	kg	150	
Packing weight	kg	165	
Dimensions - L x W x H (008)	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
Standard packing size - L x W x H (008)	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB5PM.022B</b>	5,5 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5PM.022B-60Hz</b>	6,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5P/50M.022B</b>	5,5 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5P/50M.022B-60Hz</b>	6,6 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90l - £	50l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	X	X
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	X	X
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	X	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB5P/56M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**

## GENERAL FEATURES


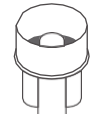

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request



## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	5,5 - 7,4	6,6 - 8,8
<b>Input voltages Y <sup>1)</sup></b>	V	400	380
<b>Current Y</b>	A	11	12,1
<b>Input voltages D <sup>1)</sup></b>	V	230	220
<b>Current D</b>	A	19	21
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.550	3.150
	mbar	255	315
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.500	2.500
	mbar	250	250
<b>Maximum air flow</b>	l/min	9.100	10.500
	m <sup>3</sup> /h	546	630
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	75
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	160	
<b>Packing weight</b>	kg	175	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.025 x 620 x 1.700 (1.900 - 2.000)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.140 x 730 x 1.610 (2.010 - 2.110)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB5P/56M.022B</b>	5,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>KB5P/56M.022B-60Hz</b>	6,6 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R
<b>800</b>	Material inlet fitted on castor wheels side	X
<b>821</b>	Air exhaust hose fitting	R

# KB6M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	5,5 - 7,4	---
<b>Input voltages Y <sup>1)</sup></b>	V	600 ... 720	---
<b>Current Y</b>	A	6,4	---
<b>Input voltages D <sup>1)</sup></b>	V	345 ... 415	---
<b>Current D</b>	A	11,1	---
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.000	---
	mbar	400	---
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.100	---
	mbar	210	---
<b>Maximum air flow</b>	l/min	11.600	---
	m <sup>3</sup> /h	696	---
<b>Acoustic level <sup>e)</sup></b>	dB (A)	75	---
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	206	
<b>Packing weight</b>	kg	226	
<b>Dimensions - L x W x H (008)</b>	mm	1.295 x 650 x 1.990 (2.070)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.600 x 800 x 2.100 (2.180)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	<b>Default primary star filter</b>		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	35.000 - 3,5
	Diameter	mm	560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>		M   Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	<b>Optional primary filter - cartridges kit - Variant 008</b>		
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm	94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media		M   Antistatic polyester
	Compressed air consumption   pressure	nL/min   bar	48   4 ÷ 6
	Filter cleaning		Automatic cleaning system
	<b>Upstream absolute filter - Variant 005</b>		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	120.000 - 12
	Media		Glass fibre
	Dust Class <sup>g)</sup>		H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>		99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB6M.022B</b>	5,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
---	---	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R
<b>821</b>	Air exhaust hose fitting	R

# KB6PM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	5,5 - 7,4	...
<b>Input voltages Y <sup>1)</sup></b>	V	600 ... 720	...
<b>Current Y</b>	A	6,4	...
<b>Input voltages D <sup>1)</sup></b>	V	345 ... 415	...
<b>Current D</b>	A	11,1	...
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.000	...
	mbar	400	...
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.100	...
	mbar	210	...
<b>Maximum air flow</b>	l/min	11.600	...
	m <sup>3</sup> /h	696	...
<b>Acoustic level <sup>e)</sup></b>	dB (A)	75	...
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	206	
<b>Packing weight</b>	kg	226	
<b>Dimensions - L x W x H (008)</b>	mm	1.295 x 650 x 1.990 (2.070)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.600 x 800 x 2.100 (2.180)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB6PM.022B</b>	5,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
...	...	...

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R
<b>821</b>	Air exhaust hose fitting	R

# KB7M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




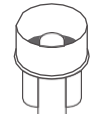

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	9 - 12,1
<b>Input voltages Y <sup>1)</sup></b>	V	600...720	660...830
<b>Current Y</b>	A	8,95	8,8
<b>Input voltages D <sup>1)</sup></b>	V	345 ... 415	380 ... 480
<b>Current D</b>	A	15,5	15,2
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.000	5.200
	mbar	400	520
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.900	2.500
	mbar	290	250
<b>Maximum air flow</b>	l/min	11.600	14.000
	m <sup>3</sup> /h	696	840
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	242	
<b>Packing weight</b>	kg	262	
<b>Dimensions - L x W x H (008)</b>	mm	1.295 x 650 x 1.990 (2.070)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.600 x 800 x 2.100 (2.180)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB7M.022B</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>KB7M.022B-60Hz</b>	9 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R
<b>821</b>	Air exhaust hose fitting	R

# KB7SM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




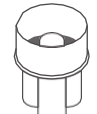

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	9,0 - 12,1
<b>Input voltages Y <sup>1)</sup></b>	V	690	795
<b>Current Y</b>	A	10,7	10,7
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	18,5	18,5
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.300	5.000
	mbar	430	500
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	4.250	3.500
	mbar	425	350
<b>Maximum air flow</b>	l/min	9.183	10.683
	m <sup>3</sup> /h	551	641
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	242	
<b>Packing weight</b>	kg	262	
<b>Dimensions - L x W x H (008)</b>	mm	1.295 x 650 x 1.990 (2.070)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.600 x 800 x 2.100 (2.180)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB7SM.022B</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>KB7SM.022B-60Hz</b>	9 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		R
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R
<b>821</b>	Air exhaust hose fitting	R

# KB7PM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




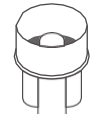

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	9 - 12,1
<b>Input voltages Y <sup>1)</sup></b>	V	600...720	660...830
<b>Current Y</b>	A	8,95	8,8
<b>Input voltages D <sup>1)</sup></b>	V	345 ... 415	380 ... 480
<b>Current D</b>	A	15,5	15,2
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.000	5.200
	mbar	400	520
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.900	2.500
	mbar	290	250
<b>Maximum air flow</b>	l/min	11.600	14.000
	m <sup>3</sup> /h	696	840
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	242	
<b>Packing weight</b>	kg	262	
<b>Dimensions - L x W x H (008)</b>	mm	1.295 x 650 x 1.990 (2.070)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.600 x 800 x 2.100 (2.180)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB7PM.022B</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>KB7PM.022B-60Hz</b>	9 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R
<b>821</b>	Air exhaust hose fitting	R

# KB9M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




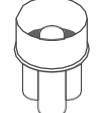

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	9,2 - 12,5	11,0 - 15,0
<b>Input voltages Y <sup>1)</sup></b>	V	600 ... 720	660 ... 830
<b>Current Y</b>	A	10,3	10,2
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	17,8	17,7
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.300	5.500
	mbar	430	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.000	2.750
	mbar	300	275
<b>Maximum air flow</b>	l/min	13.683	16.517
	m <sup>3</sup> /h	821	991
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	229	
<b>Packing weight</b>	kg	249	
<b>Dimensions - L x W x H (008)</b>	mm	1.295 x 650 x 1.990 (2.070)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.600 x 800 x 2.100 (2.180)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB9M.022B</b>	9,2 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>KB9M.022B-60Hz</b>	11 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R
<b>821</b>	Air exhaust hose fitting	R

# K7M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	...
<b>Input voltages Y <sup>1)</sup></b>	V	690	...
<b>Current Y</b>	A	9,06	...
<b>Input voltages D <sup>1)</sup></b>	V	400	...
<b>Current D</b>	A	15,7	...
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE2	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.300	...
	mbar	430	...
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.250	...
	mbar	225	...
<b>Maximum air flow</b>	l/min	13.683	...
	m <sup>3</sup> /h	821	...
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	...
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	325	
<b>Packing weight</b>	kg	345	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 1.880 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 1.990 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K7M.022B</b>	7,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
...	...	...
<b>K7/90M.022B</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
...	...	...

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K9M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




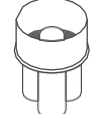

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	9,2 - 12,5	11,0 - 15,0
<b>Input voltages Y <sup>1)</sup></b>	V	600 ... 720	660 ... 830
<b>Current Y</b>	A	10,3	10,2
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	17,8	17,7
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.300	5.500
	mbar	430	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.000	2.750
	mbar	300	275
<b>Maximum air flow</b>	l/min	13.683	16.517
	m <sup>3</sup> /h	821	991
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	330	
<b>Packing weight</b>	kg	350	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 1.880 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 1.990 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K9M.022B</b>	9,2 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K9M.022B-60Hz</b>	11 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K9/90M.022B</b>	9,2 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K9/90M.022B-60Hz</b>	11 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K11SM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	11 - 14,7	13,2 - 17,7
<b>Input voltages Y <sup>1)</sup></b>	V	690	795
<b>Current Y</b>	A	16	16
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	27,5	27,5
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	5.000	5.500
	mbar	500	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	4.250	4.500
	mbar	425	450
<b>Maximum air flow</b>	l/min	10.500	12.250
	m <sup>3</sup> /h	630	735
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	352	
<b>Packing weight</b>	kg	372	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 1.880 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 1.990 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K11SM.022B</b>	11 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11SM.022B-60Hz</b>	13,2 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11S/90M.022B</b>	11 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11S/90M.022B-60Hz</b>	13,2 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K11PM.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




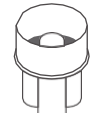

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	11 - 14,7	13 - 17,4
<b>Input voltages Y <sup>1)</sup></b>	V	600 ... 720	660 ... 830
<b>Current Y</b>	A	12,5	12,2
<b>Input voltages D <sup>1)</sup></b>	V	345 ... 415	380 ... 480
<b>Current D</b>	A	21,7	21,2
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	5.000	5.600
	mbar	500	560
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.000	2.750
	mbar	300	275
<b>Maximum air flow</b>	l/min	16.433	18.983
	m <sup>3</sup> /h	986	1.139
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	341	
<b>Packing weight</b>	kg	361	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 1.880 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 1.990 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K11PM.022B</b>	11 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11PM.022B-60Hz</b>	13 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/90M.022B</b>	11 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/90M.022B-60Hz</b>	13 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K13M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	12,5 - 16,8	14,5 - 19,4
<b>Input voltages Y <sup>1)</sup></b>	V	600 ... 720	---
<b>Current Y</b>	A	16,1	---
<b>Input voltages D <sup>1)</sup></b>	V	345 ... 415	380 ... 480
<b>Current D</b>	A	28	29
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.500	5.250
	mbar	450	525
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.900	2.700
	mbar	290	270
<b>Maximum air flow</b>	l/min	19.683	23.183
	m <sup>3</sup> /h	1.181	1.391
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	437	
<b>Packing weight</b>	kg	457	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 1.880 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 1.990 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K13M.022B</b>	12,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13M.022B-60Hz</b>	14,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/90M.022B</b>	12,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/90M.022B-60Hz</b>	14,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K15M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




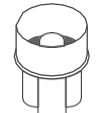

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	15,0 - 20,45	17,3 - 23,59
<b>Input voltages Y <sup>1)</sup></b>	V	...	...
<b>Current Y</b>	A	...	...
<b>Input voltages D <sup>1)</sup></b>	V	345 ... 415	380 ... 480
<b>Current D</b>	A	33,2	33,9
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G10 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.750	6.000
	mbar	475	600
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.150	2.450
	mbar	315	245
<b>Maximum air flow</b>	l/min	21.000	25.383
	m <sup>3</sup> /h	1.260	1.523
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	394	
<b>Packing weight</b>	kg	414	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 1.880 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 1.990 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K15M.022B</b>	15 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K15M.022B-60Hz</b>	17,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K15/90M.022B</b>	15 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K15/90M.022B-60Hz</b>	17,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K7/78M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	...
<b>Input voltages Y <sup>1)</sup></b>	V	690	...
<b>Current Y</b>	A	9,06	...
<b>Input voltages D <sup>1)</sup></b>	V	400	...
<b>Current D</b>	A	15,7	...
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE2	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.300	...
	mbar	430	...
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.250	...
	mbar	225	...
<b>Maximum air flow</b>	l/min	13.683	...
	m <sup>3</sup> /h	821	...
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	...
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	350	
<b>Packing weight</b>	kg	370	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K7/78M.022B</b>	7,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
...	...	...
<b>K7/78/90M.022B</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
...	...	...

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K9/78M.022B

3~ M Ex IP55

**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	9,2 - 12,5	11,0 - 15,0
<b>Input voltages Y <sup>1)</sup></b>	V	600 ... 720	660 ... 830
<b>Current Y</b>	A	10,3	10,2
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	17,8	17,7
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE2	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.300	5.500
	mbar	430	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.000	2.750
	mbar	300	275
<b>Maximum air flow</b>	l/min	13.683	16.517
	m <sup>3</sup> /h	821	991
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	385	
<b>Packing weight</b>	kg	405	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K9/78M.022B</b>	9,2 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K9/78M.022B-60Hz</b>	11 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K9/78/90M.022B</b>	9,2 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K9/78/90M.022B-60Hz</b>	11 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K11P/78M.022B

3~ M Ex IP55

**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




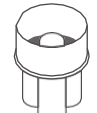
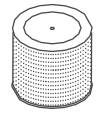
## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	11 - 14,7	13 - 17,4
<b>Input voltages Y <sup>1)</sup></b>	V	600 ... 720	660 ... 830
<b>Current Y</b>	A	12,5	12,2
<b>Input voltages D <sup>1)</sup></b>	V	345 ... 415	380 ... 480
<b>Current D</b>	A	21,7	21,2
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	5.000	5.600
	mbar	500	560
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.000	2.750
	mbar	300	275
<b>Maximum air flow</b>	l/min	16.433	18.983
	m <sup>3</sup> /h	986	1.139
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	376	
<b>Packing weight</b>	kg	396	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K11P/78M.022B</b>	11 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/78M.022B-60Hz</b>	13 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/78/90M.022B</b>	11 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/78/90M.022B-60Hz</b>	13 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K13/78M.022B

3~ M Ex IP55

**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	12,5 - 16,8	14,5 - 19,4
<b>Input voltages Y <sup>1)</sup></b>	V	600 ... 720	---
<b>Current Y</b>	A	16,1	---
<b>Input voltages D <sup>1)</sup></b>	V	345 ... 415	380 ... 480
<b>Current D</b>	A	28	29
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.500	5.250
	mbar	450	525
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.900	2.700
	mbar	290	270
<b>Maximum air flow</b>	l/min	19.683	23.183
	m <sup>3</sup> /h	1.181	1.391
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	462	
<b>Packing weight</b>	kg	482	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K13/78M.022B</b>	12,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/78M.022B-60Hz</b>	14,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/78/90M.022B</b>	12,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/78/90M.022B-60Hz</b>	14,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K15/78M.022B

3~ M Ex IP55

**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




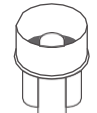
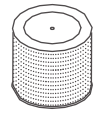
## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	15,0 - 20,45	17,3 - 23,59
<b>Input voltages Y <sup>1)</sup></b>	V	...	...
<b>Current Y</b>	A	...	...
<b>Input voltages D <sup>1)</sup></b>	V	345 ... 415	380 ... 480
<b>Current D</b>	A	33,2	33,9
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G10 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.750	6.000
	mbar	475	600
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.150	2.450
	mbar	315	245
<b>Maximum air flow</b>	l/min	21.000	25.383
	m <sup>3</sup> /h	1.260	1.523
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	446	
<b>Packing weight</b>	kg	466	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   65.000 - 6,5
	Diameter	mm   780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K15/78M.022B</b>	15 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K15/78M.022B-60Hz</b>	17,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K15/78/90M.022B</b>	15 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K15/78/90M.022B-60Hz</b>	17,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K18/78M.022B



**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	18,5 - 24,8	21,3 - 28,5
<b>Input voltages Y <sup>1)</sup></b>	V	600 ... 720	---
<b>Current Y</b>	A	21	---
<b>Input voltages D <sup>1)</sup></b>	V	345 ... 415	380 ... 480
<b>Current D</b>	A	37	39
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G10 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.000	5.000
	mbar	400	500
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.200	3.400
	mbar	320	340
<b>Maximum air flow</b>	l/min	23.183	28.000
	m <sup>3</sup> /h	1.391	1.680
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	537	
<b>Packing weight</b>	kg	557	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K18/78M.022B</b>	18,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K18/78M.022B-60Hz</b>	21,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K18/78/90M.022B</b>	18,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K18/78/90M.022B-60Hz</b>	21,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K20SM.022B

3~ M Ex IP55

**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	21,3 - 28,5	24,5 - 32,8
<b>Input voltages Y <sup>1)</sup></b>	V	660 ... 725	---
<b>Current Y</b>	A	22,1	---
<b>Input voltages D <sup>1)</sup></b>	V	380 ... 420	440 ... 480
<b>Current D</b>	A	38,3	38
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G10 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	6.500	6.800
	mbar	650	680
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	4.400	4.600
	mbar	440	460
<b>Maximum air flow</b>	l/min	19.783	23.633
	m <sup>3</sup> /h	1.187	1.418
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	685	
<b>Packing weight</b>	kg	705	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	2.100 x 887 x 2.323 (2.365 - 2.323)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	2.100 x 950 x 2.488 (2.530 - 2.488)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   65.000 - 6,5
	Diameter	mm   780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K20SM.022B</b>	21,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K20SM.022B-60Hz</b>	24,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K20S/90M.022B</b>	21,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K20S/90M.022B-60Hz</b>	24,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K20PM.022B

3~ M Ex IP55

**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**




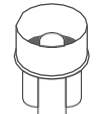
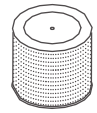
## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	21,3 - 28,5	...
<b>Input voltages Y <sup>1)</sup></b>	V	660 ... 725	...
<b>Current Y</b>	A	22,1	...
<b>Input voltages D <sup>1)</sup></b>	V	380 ... 420	...
<b>Current D</b>	A	38,3	...
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G10 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.500	...
	mbar	450	...
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.500	...
	mbar	250	...
<b>Maximum air flow</b>	l/min	37.633	...
	m <sup>3</sup> /h	2.258	...
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	...
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	732	
<b>Packing weight</b>	kg	752	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	2.100 x 887 x 2.323 (2.365 - 2.323)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	2.100 x 950 x 2.488 (2.530 - 2.488)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   90.000 - 9
	Diameter	mm   780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   260.000 - 26
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K20PM.022B</b>	21,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
...	...	...
<b>K20P/90M.022B</b>	21,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
...	...	...

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K25SM.022B

3~ M Ex IP55

ATEX ZONE 22  
NO CONDUCTIVE DUST




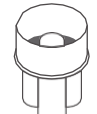
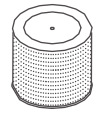
## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	25,3 - 33,9	29 - 38,9
<b>Input voltages Y <sup>1)</sup></b>	V	660 ... 725	---
<b>Current Y</b>	A	25,5	---
<b>Input voltages D <sup>1)</sup></b>	V	380 ... 420	440 ... 480
<b>Current D</b>	A	44	43,5
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G10 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	6.500	6.800
	mbar	650	680
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	4.400	4.400
	mbar	440	440
<b>Maximum air flow</b>	l/min	19.783	23.633
	m <sup>3</sup> /h	1.187	1.418
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	685	
<b>Packing weight</b>	kg	705	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	2.100 x 887 x 2.323 (2.365 - 2.323)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	2.100 x 950 x 2.488 (2.530 - 2.488)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K25SM.022B</b>	25,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K25SM.022B-60Hz</b>	29 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K25S/90M.022B</b>	25,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K25S/90M.022B-60Hz</b>	29 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K25PM.022B

**3~** **M** **Ex** **IP55**

**ATEX ZONE 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	25,3 - 33,9	29 - 38,9
<b>Input voltages Y <sup>1)</sup></b>	V	660 ... 725	---
<b>Current Y</b>	A	26,8	---
<b>Input voltages D <sup>1)</sup></b>	V	380 ... 420	440 ... 480
<b>Current D</b>	A	46,5	46,5
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G10 H07RN-F	
length	m	9 m	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIB T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.500	5.000
	mbar	450	500
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.100	2.700
	mbar	310	270
<b>Maximum air flow</b>	l/min	37.633	44.633
	m <sup>3</sup> /h	2.258	2.678
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	732	
<b>Packing weight</b>	kg	752	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	2.100 x 887 x 2.323 (2.365 - 2.323)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	2.100 x 950 x 2.488 (2.530 - 2.488)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   90.000 - 9
	Diameter	mm   780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   260.000 - 26
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K25PM.022B</b>	25,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K25PM.022B-60Hz</b>	29 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K25P/90M.022B</b>	25,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K25P/90M.022B-60Hz</b>	29 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

 **BLUE LINE**

**ATEX ZONE 22 - IP6X -  
Single phase models  
In presence of conductive  
dust**

# KMS1M.022



**ATEX ZONE**  
IN PRESENCE OF CONDUCTIVE DUST



## GENERAL FEATURES

- Antistatic wheels
- Vacuum gauge
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50/60 Hz
<b>Power</b>	kW - HP	1,1 - 1,47
<b>Input voltages Y <sup>1)</sup></b>	V	230
<b>Current Y</b>	A	10
<b>Electric protection <sup>a)</sup></b>		IP6X
<b>Default factory setting</b>	V   Hz	230   50/60
<b>Electrical cable:</b>		
type		3G1,5 H07RN-F
length	m	9
plug		Not supplied
<b>Insulation class <sup>b)</sup></b>		F
<b>ATEX Mark <sup>c)</sup></b>		II3D - Ex h tc IIIC T 100°C Dc
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.350
	mbar	235
<b>Maximum air flow</b>	l/min	3.733
	m <sup>3</sup> /h	224
<b>Acoustic level <sup>d)</sup></b>	dB (A)	72
<b>Environmental working temperature</b>	°C	5 ÷ 40
<b>Dust bin capacity</b>		
total	l	35
useful	l	5
<b>Wheels material</b>		Rubber
<b>Weight</b>	kg	23
<b>Packing weight</b>	kg	33
<b>Dimensions - L x W x H</b>	mm	456 x 429 x 755
<b>Standard packing size - L x W x H</b>	mm	820 x 550 x 1.630
<b>Diameters:</b>		
material inlet	mm	40
wheels	mm	50

## FILTRATION DATA

	<b>Default primary star filter</b>		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	3.200 - 0,32
	Diameter	mm	360
	Dust Class <sup>e)</sup>   Media <sup>2)</sup>		M   Antistatic polyester
	Filter cleaning		Not available
	<b>Upstream absolute filter - Variant 005</b>		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	16.000 - 1,6
	Media		Glass Fibre
	Dust Class <sup>f)</sup>		H14
	Efficiency M.P.P.S. <sup>f) 3)</sup>		99,995%

## DUST COLLECTION SYSTEM

	<b>Type</b>	Bag filter
	<b>Material</b>	Paper
	<b>Capacity</b>	l

Normatives: a) IEC60529; b) IEC60085; c) 2014/34/UE; d) EN60704-2-1; e) EN60335-2-69; f) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Other materials available according to the material to be vacuumed

<sup>3)</sup> With 0,18 µm particles

## MACHINE

<b>KMS1M.022</b>	1,1 kW, 5 l capacity, blue RAL 5012 painted, 360 mm diameter single phase industrial vacuum cleaner	£	R
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## OUTFITS

<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	£	
<b>003</b>	Entirely made out of AISI 304 stainless steel		R
<b>005</b>	Upstream absolute filter (HEPA) with M dust class primary filter		R

# KM1M.022



**ATEX ZONE**  
**IN PRESENCE OF CONDUCTIVE DUST**

## GENERAL FEATURES

- Antistatic wheels
- Vacuum gauge
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50/60 Hz
<b>Power</b>	kW - HP	1,1 - 1,47
<b>Input voltages Y <sup>1)</sup></b>	V	230
<b>Current Y</b>	A	10
<b>Electric protection <sup>a)</sup></b>		IP6X
<b>Default factory setting</b>	V   Hz	230   50/60
<b>Electrical cable:</b>		
type		3G1,5 H07RN-F
length	m	9
plug		Not supplied
<b>Insulation class <sup>b)</sup></b>		F
<b>ATEX Mark <sup>c)</sup></b>		II3D - Ex h fc IIIC T 100°C Dc
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.350
	mbar	235
<b>Maximum air flow</b>	l/min	3.733
	m <sup>3</sup> /h	224
<b>Acoustic level <sup>d)</sup></b>	dB (A)	72
<b>Environmental working temperature</b>	°C	5 ÷ 40
<b>Dust bin capacity</b>	l	25
<b>Wheels material</b>		Rubber
<b>Weight</b>	kg	40
<b>Packing weight</b>	kg	49
<b>Dimensions - L x W x H</b>	mm	572 x 502 x 1.080
<b>Standard packing size - L x W x H</b>	mm	820 x 550 x 1.630
<b>Diameters:</b>		
material inlet	mm	50
wheels: rear   front	mm	100 - 150
wheels: bin	mm	50



## FILTRATION DATA

Default primary star filter		
Surface area	cm <sup>2</sup> - m <sup>2</sup>	7.000 - 0,7
Diameter	mm	360
Dust Class <sup>e)</sup>   Media <sup>2)</sup>		M   Antistatic polyester
Filter cleaning		Ergonomic manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm <sup>2</sup> - m <sup>2</sup>	16.000 - 1,6
Media		Glass fibre
Dust Class <sup>f)</sup>		H14
Efficiency M.P.P.S. <sup>f) 3)</sup>		99,995%

Normatives: a) IEC60529; b) IEC600085; c) 2014/34/UE; d) EN60704-2-1; e) EN60335-2-69; f) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Other materials available according to the material to be vacuumed

<sup>3)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KM1M.022</b>	1,1 kW, 25 l capacity, blue RAL 5012 painted, 360 mm diameter single phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA) with M dust class primary filter	R
<b>066</b>	Bin overfilling machine switch off	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# KM1M.386



**ATEX ZONE**  
**IN PRESENCE OF CONDUCTIVE DUST**



## GENERAL FEATURES

- Antistatic wheels
- Vacuum gauge
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

50/60 Hz

<b>Power</b>	kW - HP	1,1 - 1,47
<b>Input voltages Y <sup>1)</sup></b>	V	230
<b>Current Y</b>	A	10
<b>Electric protection <sup>a)</sup></b>		IP6X
<b>Default factory setting</b>	V   Hz	230   50/60
<b>Electrical cable:</b>		
type		3G1,5 H07RN-F
length	m	9
plug		Not supplied
<b>Insulation class <sup>b)</sup></b>		F
<b>ATEX Mark <sup>c)</sup></b>		II3D - Ex h tc IIIC T 100°C Dc
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.350
	mbar	235
<b>Maximum air flow</b>	l/min	3.733
	m <sup>3</sup> /h	224
<b>Acoustic level <sup>d)</sup></b>	dB (A)	69
<b>Environmental working temperature</b>	°C	5 ÷ 40
<b>Wheels material</b>		Rubber
<b>Weight</b>	kg	145
<b>Packing weight</b>	kg	160
<b>Dimensions - L x W x H</b>	mm	572 x 502 x 1.392
<b>Standard packing size - L x W x H</b>	mm	820 x 550 x 1.630
<b>Diameters:</b>		
material inlet	mm	50
wheels: rear   front	mm	100 - 150

## FILTRATION DATA

	<b>Default primary star filter</b>		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	7.000 - 0,7
	Diameter	mm	360
	Dust Class <sup>e)</sup>   Media <sup>2)</sup>		M   Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	<b>Upstream absolute filter - Variant 005</b>		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	16.000 - 1,6
	Media		Glass fibre
	Dust Class <sup>e)</sup>		H14
	Efficiency M.P.P.S. <sup>e) 3)</sup>		99,995%

## DUST COLLECTION SYSTEM

	<b>• Type</b>		EBCS <sup>4)</sup>
	<b>• Bag length (4 units)   Diameter</b>		20   360
	<b>• Material</b>		3-layer coextruded polyethylene (PE)
	<b>• Thickness</b>	µm	64

Normatives: a) IEC60529; b) IEC60085; c) 2014/34/UE; d) EN60704-2-1; e) EN60335-2-69; f) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Other materials available according to the material to be vacuumed

<sup>3)</sup> With 0,18 µm particles

## MACHINE

<b>KM1M.386</b>	1,1 kW, blue RAL 5012 painted, 360 mm diameter single phase industrial vacuum cleaner with EBCS	£	R
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## OUTFITS

<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	£	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	£	R
<b>005</b>	Upstream absolute filter (HEPA) with M dust class primary filter	£	R

 **BLUE LINE**

**ATEX ZONE 22 - IP65 -  
Three phase models  
In presence of conductive  
dust**

# K3M.022



**ATEX ZONE 22**  
**IN PRESENCE OF CONDUCTIVE DUST**




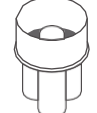

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	2,6 - 3,5	3,1 - 4,2
<b>Input voltages Y <sup>1)</sup></b>	V	400	380
<b>Current Y</b>	A	6	6,5
<b>Input voltages D <sup>1)</sup></b>	V	230	220
<b>Current D</b>	A	10,4	11,3
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	3.700
	mbar	320	370
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.300	2.200
	mbar	230	220
<b>Maximum air flow</b>	l/min	5.600	6.300
	m <sup>3</sup> /h	336	378
<b>Acoustic level <sup>e)</sup></b>	dB (A)	73	74
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	122	
<b>Packing weight</b>	kg	137	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K3M.022</b>	2,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K3M.022-60Hz</b>	3,1 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K3PM.022



**ATEX ZONE 22**  
**IN PRESENCE OF CONDUCTIVE DUST**




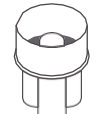

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4,0 - 5,4	4,6 - 6,1
<b>Input voltages Y <sup>1)</sup></b>	V	380 ... 420	220 ... 240
<b>Current Y</b>	A	7,4	12,8
<b>Input voltages D <sup>1)</sup></b>	V	440 ... 480	---
<b>Current D</b>	A	7,2	---
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	4.000
	mbar	320	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
<b>Maximum air flow</b>	l/min	7.183	8.750
	m <sup>3</sup> /h	431	525
<b>Acoustic level <sup>e)</sup></b>	dB (A)	73	74
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	132	
<b>Packing weight</b>	kg	142	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 19.500 - 1,95
	Diameter	mm 460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K3PM.022</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K3PM.022-60Hz</b>	4,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K5SM.022

3~ M Ex IP65

**ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST**




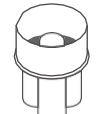

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	5,2 - 7,0	6,3 - 8,4
<b>Input voltages Y <sup>1)</sup></b>	V	400	380
<b>Current Y</b>	A	10	11
<b>Input voltages D <sup>1)</sup></b>	V	230	220
<b>Current D</b>	A	17,3	19
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	5.100	5.000
	mbar	510	500
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	4.400	4.750
	mbar	440	475
<b>Maximum air flow</b>	l/min	5.600	6.833
	m <sup>3</sup> /h	336	410
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	75
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	155	
<b>Packing weight</b>	kg	170	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 19.500 - 1,95
	Diameter	mm 460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K5SM.022</b>	5,2 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K5SM.022-60Hz</b>	6,3 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K5PM.022



**ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST**




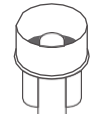

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	5,2 - 7,0	6,3 - 8,4
<b>Input voltages Y <sup>1)</sup></b>	V	400	380
<b>Current Y</b>	A	10	11
<b>Input voltages D <sup>1)</sup></b>	V	230	220
<b>Current D</b>	A	17,3	19
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IICT 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.550	3.150
	mbar	255	315
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.300	2.300
	mbar	230	230
<b>Maximum air flow</b>	l/min	9.100	10.500
	m <sup>3</sup> /h	546	630
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	75
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	155	
<b>Packing weight</b>	kg	170	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K5PM.022</b>	5,2 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K5PM.022-60Hz</b>	6,3 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	X
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	X
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K5P/56M.022

3~ M Ex IP65

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IN PRESENCE OF CONDUCTIVE DUST**




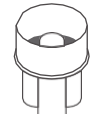

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	5,2 - 7,0	6,3 - 8,4
<b>Input voltages Y <sup>1)</sup></b>	V	400	380
<b>Current Y</b>	A	10	11
<b>Input voltages D <sup>1)</sup></b>	V	230	220
<b>Current D</b>	A	17,3	19
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark</b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.550	3.150
	mbar	255	315
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.300	2.300
	mbar	230	230
<b>Maximum air flow</b>	l/min	9.100	10.500
	m <sup>3</sup> /h	546	630
<b>Acoustic level <sup>4)</sup></b>	dB (A)	74	75
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	165	
<b>Packing weight</b>	kg	180	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.220 x 620 x 1.770 (1.970 - 2.070)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 1.880 (2.080 - 2.180)	
<b>Diameters:</b>			
material inlet	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>1)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>1)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>2)</sup>	H14
	Efficiency M.P.P.S. <sup>3) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K5P/56M.022</b>	5,2 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K5P/56M.022-60Hz</b>	6,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# KB3M.022

3~ M Ex IP65

**ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST**

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request



TECHNICAL DATA		50 Hz	60 Hz
Power	kW - HP	2,6 - 3,5	3,1 - 4,2
Input voltages Y <sup>1)</sup>	V	400	380
Current Y	A	6	6,5
Input voltages D <sup>1)</sup>	V	230	220
Current D	A	10,4	11,3
Electric protection <sup>a)</sup>		IP65	
Default factory setting	V   Hz	400   50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
Insulation class <sup>b)</sup>		F	
Energetic class <sup>c)</sup>		IE1	
ATEX Mark <sup>d)</sup>		II3D - Ex h tc IIIC T 135°C Dc	
Maximum vacuum	mmH <sub>2</sub> O	3.200	3.700
	mbar	320	370
Nominal vacuum <sup>2)</sup>	mmH <sub>2</sub> O	2.300	2.200
	mbar	230	220
Maximum air flow	l/min	5.600	6.300
	m <sup>3</sup> /h	336	378
Acoustic level <sup>e)</sup>	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	90 - 50	
Wheels material		Rubber	
Weight	kg	118	
Packing weight	kg	133	
Dimensions - L x W x H (008)	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
Standard packing size - L x W x H (008)	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB3M.022</b>	2,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3M.022-60Hz</b>	3,1 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3/50M.022</b>	2,6 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3/50M.022-60Hz</b>	3,1 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	X	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB3PM.022



**ATEX ZONE 22**  
**IN PRESENCE OF CONDUCTIVE DUST**

## GENERAL FEATURES


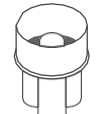

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request



## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4,0 - 5,4	4,6 - 6,1
<b>Input voltages Y <sup>1)</sup></b>	V	380 ... 420	220 ... 240
<b>Current Y</b>	A	7,4	12,8
<b>Input voltages D <sup>1)</sup></b>	V	440 ... 480	---
<b>Current D</b>	A	7,2	---
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	4.000
	mbar	320	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
<b>Maximum air flow</b>	l/min	7.183	8.750
	m <sup>3</sup> /h	431	525
<b>Acoustic level <sup>e)</sup></b>	dB (A)	76	77
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90 - 50	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	147	
<b>Packing weight</b>	kg	162	
<b>Dimensions - L x W x H (008)</b>	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
<b>Standard packing size - L x W x H (008)</b>	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
<b>Diameters:</b>			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB3PM.022</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3PM.022-60Hz</b>	4,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3P/50M.022</b>	4 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3P/50M.022-60Hz</b>	4,6 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# KB5SM.022



**ATEX ZONE 22**  
**IN PRESENCE OF CONDUCTIVE DUST**


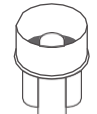

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request



TECHNICAL DATA		50 Hz	60 Hz
Power	kW - HP	5,2 - 7,0	6,3 - 8,4
Input voltages Y <sup>1)</sup>	V	400	380
Current Y	A	10	11
Input voltages D <sup>1)</sup>	V	230	220
Current D	A	17,3	19
Electric protection <sup>a)</sup>		IP65	
Default factory setting	V   Hz	400   50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
Insulation class <sup>b)</sup>		F	
Energetic class <sup>c)</sup>		IE1	
ATEX Mark <sup>d)</sup>		II3D - Ex h tc IIIC T 135°C Dc	
Maximum vacuum	mmH <sub>2</sub> O	5.100	5.000
	mbar	510	500
Nominal vacuum <sup>2)</sup>	mmH <sub>2</sub> O	4.400	4.750
	mbar	440	475
Maximum air flow	l/min	5.600	6.833
	m <sup>3</sup> /h	336	410
Acoustic level <sup>e)</sup>	dB (A)	74	75
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	90 - 50	
Wheels material		Rubber	
Weight	kg	150	
Packing weight	kg	165	
Dimensions - L x W x H (008)	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
Standard packing size - L x W x H (008)	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB5SM.022</b>	5,2 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5SM.022-60Hz</b>	6,3 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5S/50M.022</b>	5,2 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5S/50M.022-60Hz</b>	6,3 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	R	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB5PM.022



**ATEX ZONE 22**  
**IN PRESENCE OF CONDUCTIVE DUST**


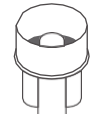

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request



TECHNICAL DATA		50 Hz	60 Hz
Power	kW - HP	5,2 - 7,0	6,3 - 8,4
Input voltages Y <sup>1)</sup>	V	400	380
Current Y	A	10	11
Input voltages D <sup>1)</sup>	V	230	220
Current D	A	17,3	19
Electric protection <sup>a)</sup>		IP65	
Default factory setting	V   Hz	400   50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
Insulation class <sup>b)</sup>		F	
Energetic class <sup>c)</sup>		IE1	
ATEX Mark <sup>d)</sup>		II3D - Ex h tc IICT 135°C Dc	
Maximum vacuum	mmH <sub>2</sub> O	2.550	3.150
	mbar	255	315
Nominal vacuum <sup>2)</sup>	mmH <sub>2</sub> O	2.300	2.300
	mbar	230	230
Maximum air flow	l/min	9.100	10.500
	m <sup>3</sup> /h	546	630
Acoustic level <sup>e)</sup>	dB (A)	74	75
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	90 - 50	
Wheels material		Rubber	
Weight	kg	150	
Packing weight	kg	165	
Dimensions - L x W x H (008)	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
Standard packing size - L x W x H (008)	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB5PM.022</b>	5,2 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5PM.022-60Hz</b>	6,3 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5P/50M.022</b>	5,2 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5P/50M.022-60Hz</b>	6,3 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	X	X
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	X	X
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	R	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB5P/56M.022

3~ M Ex IP65

**ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	5,2 - 7,0	6,3 - 8,4
<b>Input voltages Y <sup>1)</sup></b>	V	400	380
<b>Current Y</b>	A	10	11
<b>Input voltages D <sup>1)</sup></b>	V	230	220
<b>Current D</b>	A	17,3	19
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IICT 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	2.550	3.150
	mbar	255	315
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.300	2.300
	mbar	230	230
<b>Maximum air flow</b>	l/min	9.100	10.500
	m <sup>3</sup> /h	546	630
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	75
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	160	
<b>Packing weight</b>	kg	175	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.025 x 620 x 1.700 (1.900 - 2.000)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.140 x 730 x 1.610 (2.010 - 2.110)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	<b>Default primary star filter</b>		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	35.000 - 3,5
	Diameter	mm	560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>		M   Antistatic polyester
	Filter cleaning		Manual filter shaker
	<b>Optional primary filter - cartridges kit - Variant 008</b>		
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm	94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media		M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar	48   4 ÷ 6
	Filter cleaning		Automatic cleaning system
	<b>Upstream absolute filter - Variant 005</b>		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	52.000 - 5,2
	Media		Glass fibre
	Dust Class <sup>g)</sup>		H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>		99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB5P/56M.022</b>	5,2 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>KB5P/56M.022-60Hz</b>	6,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R
<b>800</b>	Material inlet fitted on castor wheels side	R
<b>821</b>	Air exhaust hose fitting	R

# K7M.022

3~ M Ex IP65

ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	9 - 12,1
<b>Input voltages Y <sup>1)</sup></b>	V	600...720	760 ... 830
<b>Current Y</b>	A	8,3	8,4
<b>Input voltages D <sup>1)</sup></b>	V	345 ... 415	380 ... 480
<b>Current D</b>	A	14,4	14,6
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.300	5.500
	mbar	430	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.250	2.000
	mbar	225	200
<b>Maximum air flow</b>	l/min	13.683	16.517
	m <sup>3</sup> /h	821	991
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	330	
<b>Packing weight</b>	kg	350	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 2.040 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 2.150 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K7M.022</b>	7,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7M.022-60Hz</b>	9 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/90M.022</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/90M.022-60Hz</b>	9 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overflowing machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K9M.022

3~ M Ex IP65

**ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	9,2 - 12,3	11 - 14,7
<b>Input voltages Y <sup>1)</sup></b>	V	690	795
<b>Current Y</b>	A	10,7	10,7
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	18,5	18,5
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.200	5.500
	mbar	420	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.250	3.000
	mbar	325	300
<b>Maximum air flow</b>	l/min	14.350	16.717
	m <sup>3</sup> /h	861	1.003
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	335	
<b>Packing weight</b>	kg	355	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 2.040 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 2.150 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K9M.022</b>	9,2 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K9M.022-60Hz</b>	11 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K9/90M.022</b>	9,2 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K9/90M.022-60Hz</b>	11 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175l - £	90l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K11SM.022

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ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST




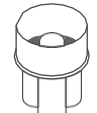

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	11 - 14,7	13,2 - 17,7
Input voltages Y <sup>1)</sup>	V	655 ... 725	755 ... 835
Current Y	A	16	16
Input voltages D <sup>1)</sup>	V	380 ... 420	435 ... 495
Current D	A	27,5	27,5
Electric protection <sup>a)</sup>		IP65	
Default factory setting	V   Hz	400   50	
Electrical cable:			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
Insulation class <sup>b)</sup>		F	
Energetic class <sup>c)</sup>		IE1	
ATEX Mark <sup>d)</sup>		II3D - Ex h tc IIIC T 135°C Dc	
Maximum vacuum	mmH <sub>2</sub> O	5.000	5.700
	mbar	500	570
Nominal vacuum <sup>2)</sup>	mmH <sub>2</sub> O	4.250	4.500
	mbar	425	450
Maximum air flow	l/min	10.500	12.250
	m <sup>3</sup> /h	630	735
Acoustic level <sup>e)</sup>	dB (A)	78	79
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	175 - 90	
Wheels material		Polyurethane	
Weight	kg	344	
Packing weight	kg	364	
Dimensions - L x W x H (005 - 008)	mm	1.450 x 710 x 2.040 (2.080 - 2.180)	
Standard packing size - L x W x H (005 - 008)	mm	1.600 x 800 x 2.150 (2.190 - 2.290)	
Diameters:			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
K11SM.022	11 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
K11SM.022-60Hz	13,2 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
K11S/90M.022	11 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
K11S/90M.022-60Hz	13,2 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
001	AISI 304 stainless steel dust bin	I	I
002	AISI 304 stainless steel dust bin and filtering chamber	R	R
003	Entirely made out of AISI 304 stainless steel	R	R
005	Upstream absolute filter (HEPA)	R	R
005SS	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
006	Electric filter shaker with push-button	R	R
006A	Automatic electric filter shaker	R	R
008	Automatic reverse jet cartridge filtering system	R	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
066	Bin overfilling machine switch off	R	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
806	Reinforced dust bin	R	R
820	Forklift forks sockets	R	R
821	Air exhaust hose fitting	R	R

# K11PM.022

3~ M Ex IP65

ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	11 - 14,7	13,2 - 17,7
<b>Input voltages Y <sup>1)</sup></b>	V	655 ... 725	755 ... 835
<b>Current Y</b>	A	16	16
<b>Input voltages D <sup>1)</sup></b>	V	380 ... 420	435 ... 495
<b>Current D</b>	A	27,5	27,5
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.600	4.000
	mbar	360	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.000	2.500
	mbar	300	250
<b>Maximum air flow</b>	l/min	18.633	21.883
	m <sup>3</sup> /h	1.118	1.313
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	344	
<b>Packing weight</b>	kg	364	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 2.040 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 2.150 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K11PM.022</b>	11 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11PM.022-60Hz</b>	13,2 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/90M.022</b>	11 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/90M.022-60Hz</b>	13,2 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K13M.022



**ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	18,5 - 24,8	21,3 - 28,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	18,6	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	32	32
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.500	5.250
	mbar	450	525
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.100	3.300
	mbar	310	330
<b>Maximum air flow</b>	l/min	19.683	23.183
	m <sup>3</sup> /h	1.181	1.391
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	495	
<b>Packing weight</b>	kg	515	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 2.040 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 2.150 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K13M.022</b>	18,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13M.022-60Hz</b>	21,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/90M.022</b>	18,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/90M.022-60Hz</b>	21,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K7/78M.022

3~ M Ex IP65

ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	9,0 - 12,1
<b>Input voltages Y <sup>1)</sup></b>	V	690	795
<b>Current Y</b>	A	10,7	10,7
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	18,5	18,5
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.200	5.500
	mbar	420	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.500	2.500
	mbar	250	250
<b>Maximum air flow</b>	l/min	14.350	16.717
	m <sup>3</sup> /h	861	1.003
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	355	
<b>Packing weight</b>	kg	375	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K7/78M.022</b>	7,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/78M.022-60Hz</b>	9 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/78/90M.022</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/78/90M.022-60Hz</b>	9 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K9/78M.022

3~ M Ex IP65

ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	9,2 - 12,3	11 - 14,7
<b>Input voltages Y <sup>1)</sup></b>	V	690	795
<b>Current Y</b>	A	10,7	10,7
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	18,5	18,5
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.200	5.500
	mbar	420	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.250	3.000
	mbar	325	300
<b>Maximum air flow</b>	l/min	14.350	16.717
	m <sup>3</sup> /h	861	1.003
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	360	
<b>Packing weight</b>	kg	380	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K9/78M.022</b>	9,2 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K9/78M.022-60Hz</b>	11 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K9/78/90M.022</b>	9,2 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K9/78/90M.022-60Hz</b>	11 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K11P/78M.022

3~ M Ex IP65

ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	11 - 14,7	13,2 - 17,7
<b>Input voltages Y <sup>1)</sup></b>	V	655 ... 725	755 ... 835
<b>Current Y</b>	A	16	16
<b>Input voltages D <sup>1)</sup></b>	V	380 ... 420	435 ... 495
<b>Current D</b>	A	27,5	27,5
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.600	4.000
	mbar	360	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.000	2.500
	mbar	300	250
<b>Maximum air flow</b>	l/min	18.633	21.883
	m <sup>3</sup> /h	1.118	1.313
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	379	
<b>Packing weight</b>	kg	399	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

Default primary star filter		
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
Optional primary filter - cartridges kit - Variant 008		
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
Upstream absolute filter - Variant 005		
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K11P/78M.022</b>	11 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/78M.022-60Hz</b>	13,2 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/78/90M.022</b>	11 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/78/90M.022-60Hz</b>	13,2 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K13/78M.022

3~ M Ex IP65

**ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST**




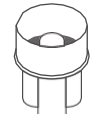
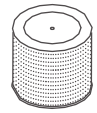
## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	18,5 - 24,8	21,3 - 28,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	18,6	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	32	32
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.500	5.250
	mbar	450	525
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.100	3.300
	mbar	310	330
<b>Maximum air flow</b>	l/min	19.683	23.183
	m <sup>3</sup> /h	1.181	1.391
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	350	
<b>Packing weight</b>	kg	370	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K13/78M.022</b>	18,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/78M.022-60Hz</b>	21,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/78/90M.022</b>	18,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/78/90M.022-60Hz</b>	21,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K18/78M.022

3~ M Ex IP65

**ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST**




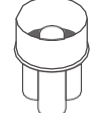
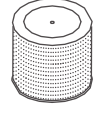
## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	18,5 - 24,8	21,3 - 28,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	18,6	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	32	32
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G10 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3D - Ex h tc IIIC T 135°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.000	5.000
	mbar	400	500
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.800	3.000
	mbar	280	300
<b>Maximum air flow</b>	l/min	23.183	28.000
	m <sup>3</sup> /h	1.391	1.680
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	83
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	350	
<b>Packing weight</b>	kg	370	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K18/78M.022</b>	18,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K18/78M.022-60Hz</b>	21,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K18/78/90M.022</b>	18,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K18/78/90M.022-60Hz</b>	21,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	r
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R



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 **BLUE LINE**

**ATEX ZONE 21 - IP65 -  
Three phase models**

# K3M.021

3~ M Ex IP65  
ATEX ZONE 21




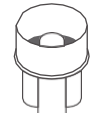

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4,0 - 5,4	4,55 - 6,1
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	4,7	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	8,1	7,9
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	4.000
	mbar	320	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.600	2.900
	mbar	260	290
<b>Maximum air flow</b>	l/min	5.683	6.567
	m <sup>3</sup> /h	341	394
<b>Acoustic level <sup>e)</sup></b>	dB (A)	69	72
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	147	
<b>Packing weight</b>	kg	162	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K3M.021</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K3M.021-60Hz</b>	4,55 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>076</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K3PM.021

3~ M Ex IP65  
ATEX ZONE 21




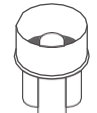

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4,0 - 5,4	4,6 - 6,1
<b>Input voltages Y <sup>1)</sup></b>	V	380 ... 420	220 ... 240
<b>Current Y</b>	A	7,4	12,8
<b>Input voltages D <sup>1)</sup></b>	V	440 ... 480	---
<b>Current D</b>	A	7,2	---
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	4.000
	mbar	320	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
<b>Maximum air flow</b>	l/min	7.183	8.750
	m <sup>3</sup> /h	431	525
<b>Acoustic level <sup>e)</sup></b>	dB (A)	73	74
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	160	
<b>Packing weight</b>	kg	175	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 19.500 - 1,95
	Diameter	mm 460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		R
<b>K3PM.021</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K3PM.021-60Hz</b>	4,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		R
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>076</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K5SM.021

3~ M Ex IP65  
ATEX ZONE 21




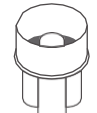

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	8,6 - 11,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	7,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	13,1	13
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	5.000	5.500
	mbar	500	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.500	3.600
	mbar	350	360
<b>Maximum air flow</b>	l/min	5.600	6.833
	m <sup>3</sup> /h	336	410
<b>Acoustic level <sup>e)</sup></b>	dB (A)	73	76
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	187	
<b>Packing weight</b>	kg	202	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K5SM.021</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K5SM.021-60Hz</b>	8,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>076</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K5PM.021

3~ M Ex IP65  
ATEX ZONE 21




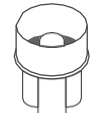

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	8,6 - 11,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	7,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	13,1	13
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.000	3.700
	mbar	300	370
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
<b>Maximum air flow</b>	l/min	8.933	10.333
	m <sup>3</sup> /h	536	620
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	187	
<b>Packing weight</b>	kg	202	
<b>Dimensions - L x W x H (008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K5PM.021</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K5PM.021-60Hz</b>	8,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>076</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K5P/56M.021

3~ M Ex IP65  
ATEX ZONE 21



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	8,6 - 11,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	7,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	13,1	13
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark</b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.000	3.700
	mbar	300	370
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
<b>Maximum air flow</b>	l/min	8.933	10.333
	m <sup>3</sup> /h	536	620
<b>Acoustic level <sup>d)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	197	
<b>Packing weight</b>	kg	212	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.220 x 620 x 1.770 (1.970 - 2.070)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 1.880 (2.080 - 2.180)	
<b>Diameters:</b>			
material inlet	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K5P/56M.021</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K5P/56M.021-60Hz</b>	8,6 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>076</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# KB3M.021

3~ M Ex IP65  
ATEX ZONE 21




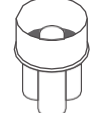

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4,0 - 5,4	4,55 - 6,1
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	4,7	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	8,1	7,9
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	4.000
	mbar	320	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.600	2.900
	mbar	260	290
<b>Maximum air flow</b>	l/min	5.683	6.567
	m <sup>3</sup> /h	341	394
<b>Acoustic level <sup>e)</sup></b>	dB (A)	69	72
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90 - 50	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	141	
<b>Packing weight</b>	kg	156	
<b>Dimensions - L x W x H (008)</b>	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
<b>Standard packing size - L x W x H (008)</b>	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
<b>Diameters:</b>			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 19.500 - 1,95
	Diameter	mm 460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB3M.021</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3M.021-60Hz</b>	4,55 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3/50M.021</b>	4 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3/50M.021-60Hz</b>	4,55 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>076</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	+0,00	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB3PM.021

3~ M Ex IP65  
ATEX ZONE 21



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4,0 - 5,4	4,6 - 6,1
<b>Input voltages Y <sup>1)</sup></b>	V	380 ... 420	220 ... 240
<b>Current Y</b>	A	7,4	12,8
<b>Input voltages D <sup>1)</sup></b>	V	440 ... 480	---
<b>Current D</b>	A	7,2	---
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	4.000
	mbar	320	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
<b>Maximum air flow</b>	l/min	7.183	8.750
	m <sup>3</sup> /h	431	525
<b>Acoustic level <sup>e)</sup></b>	dB (A)	73	74
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90 - 50	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	147	
<b>Packing weight</b>	kg	162	
<b>Dimensions - L x W x H (008)</b>	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
<b>Standard packing size - L x W x H (008)</b>	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
<b>Diameters:</b>			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB3PM.021</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3PM.021-60Hz</b>	4,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3P/50M.021</b>	4 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3P/50M.021-60Hz</b>	4,6 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>076</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	+0,00	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB5SM.021

3~ M Ex IP65  
ATEX ZONE 21




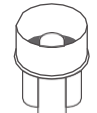

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	8,6 - 11,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	7,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	13,1	13
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	5.000	5.500
	mbar	500	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.500	3.600
	mbar	350	360
<b>Maximum air flow</b>	l/min	5.600	6.833
	m <sup>3</sup> /h	336	410
<b>Acoustic level <sup>e)</sup></b>	dB (A)	73	76
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90 - 50	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	182	
<b>Packing weight</b>	kg	197	
<b>Dimensions - L x W x H (008)</b>	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
<b>Standard packing size - L x W x H (008)</b>	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
<b>Diameters:</b>			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB5SM.021</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5SM.021-60Hz</b>	8,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5S/50M.021</b>	7,5 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5S/50M.021-60Hz</b>	8,6 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>076</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	+0,00	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB5PM.021

3~ M Ex IP65  
ATEX ZONE 21



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	8,6 - 11,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	7,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	13,1	13
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.000	3.700
	mbar	300	370
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
<b>Maximum air flow</b>	l/min	8.933	10.333
	m <sup>3</sup> /h	536	620
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90 - 50	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	182	
<b>Packing weight</b>	kg	197	
<b>Dimensions - L x W x H (008)</b>	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
<b>Standard packing size - L x W x H (008)</b>	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
<b>Diameters:</b>			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB5PM.021</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5PM.021-60Hz</b>	8,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5P/50M.021</b>	7,5 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5P/50M.021-60Hz</b>	8,6 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>076</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	+0,00	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB5P/56M.021

3~ M Ex IP65  
ATEX ZONE 21




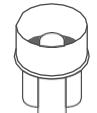

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	8,6 - 11,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	7,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	13,1	13
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.000	3.700
	mbar	300	370
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
<b>Maximum air flow</b>	l/min	8.933	10.333
	m <sup>3</sup> /h	536	620
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90 - 50	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	192	
<b>Packing weight</b>	kg	207	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.025 x 620 x 1.700 (1.900 - 2.000)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.140 x 730 x 1.610 (2.010 - 2.110)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB5P/56M.021</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>KB5P/56M.021-60Hz</b>	8,6 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>076</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R
<b>800</b>	Material inlet fitted on castor wheels side	+0,00
<b>821</b>	Air exhaust hose fitting	R

# K7M.021

**3~** **M** **Ex** **IP65**  
**ATEX ZONE 21**




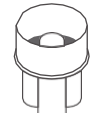

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	9 - 12,1
<b>Input voltages Y <sup>1)</sup></b>	V	690	795
<b>Current Y</b>	A	10,7	10,7
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	18,5	18,5
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 200°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.200	5.500
	mbar	420	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.250	3.000
	mbar	325	300
<b>Maximum air flow</b>	l/min	14.350	16.717
	m <sup>3</sup> /h	861	1.003
<b>Acoustic level <sup>e)</sup></b>	dB (A)	70	74
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	330	
<b>Packing weight</b>	kg	350	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 2.040 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 2.150 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K7M.021</b>	7,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7M.021-60Hz</b>	9 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/90M.021</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/90M.021-60Hz</b>	9 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>076</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K11SM.021

3~ M Ex IP65  
ATEX ZONE 21



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	15 - 20,1	17,3 - 23,2
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	15,7	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	27	27
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIICT 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	6.000	6.500
	mbar	600	650
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.800	3.900
	mbar	380	390
<b>Maximum air flow</b>	l/min	9.633	11.383
	m <sup>3</sup> /h	578	683
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	435	
<b>Packing weight</b>	kg	455	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 2.040 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 2.150 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K11SM.021</b>	15 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11SM.021-60Hz</b>	17,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11S/90M.021</b>	15 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11S/90M.021-60Hz</b>	17,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>076</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K11PM.021

3~ M IP65  
ATEX ZONE 21



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	15 - 20,1	17,3 - 23,2
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	15,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	26,5	26,5
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.250	4.000
	mbar	325	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.700	3.000
	mbar	270	300
<b>Maximum air flow</b>	l/min	15.750	19.250
	m <sup>3</sup> /h	945	1.155
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	415	
<b>Packing weight</b>	kg	435	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 2.040 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 2.150 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K11PM.021</b>	15 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11PM.021-60Hz</b>	17,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/90M.021</b>	15 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/90M.021-60Hz</b>	17,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>076</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K13M.021

**3~** **M** **Ex** **IP65**  
ATEX ZONE 21



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	18,5 - 24,8	21,3 - 28,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	18,6	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	32	32
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.500	5.250
	mbar	450	525
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.100	3.300
	mbar	310	330
<b>Maximum air flow</b>	l/min	19.683	23.183
	m <sup>3</sup> /h	1.181	1.391
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	495	
<b>Packing weight</b>	kg	515	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.450 x 710 x 2.040 (2.080 - 2.180)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.600 x 800 x 2.150 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

Default primary star filter		
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
Optional primary filter - cartridges kit - Variant 008		
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
Upstream absolute filter - Variant 005		
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

			£
<b>K13M.021</b>	18,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner		R
<b>K13M.021-60Hz</b>	21,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner		R
<b>K13/90M.021</b>	18,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner		R
<b>K13/90M.021-60Hz</b>	21,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner		R

## OUTFITS

		175l - £	90l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>076</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K7/78M.021

3~ M Ex IP65  
ATEX ZONE 21



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	9 - 12,1
<b>Input voltages Y <sup>1)</sup></b>	V	690	795
<b>Current Y</b>	A	10,7	10,7
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	18,5	18,5
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 200°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.200	5.500
	mbar	420	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.250	3.000
	mbar	325	300
<b>Maximum air flow</b>	l/min	14.350	16.717
	m <sup>3</sup> /h	861	1.003
<b>Acoustic level <sup>e)</sup></b>	dB (A)	70	74
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	355	
<b>Packing weight</b>	kg	375	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

MACHINE		£
<b>K7/78M.021</b>	7,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/78M.021-60Hz</b>	9 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/78/90M.021</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/78/90M.021-60Hz</b>	9 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

OUTFITS		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>076</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K11P/78M.021

**IP65**  
**ATEX ZONE 21**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	15 - 20,1	17,3 - 23,2
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	15,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	26,5	26,5
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.250	4.000
	mbar	325	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.700	3.000
	mbar	270	300
<b>Maximum air flow</b>	l/min	15.750	19.250
	m <sup>3</sup> /h	945	1.155
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	450	
<b>Packing weight</b>	kg	470	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	65.000 - 6,5
	Diameter	mm	780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>		M   Antistatic polyester
	Filter cleaning		Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008		
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm	126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media		M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar	48   4 ÷ 6
	Filter cleaning		Automatic cleaning system
	Upstream absolute filter - Variant 005		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	130.000 - 13
	Media		Glass fibre
	Dust Class <sup>g)</sup>		H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>		99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K11P/78M.021</b>	15 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/78M.021-60Hz</b>	17,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/78/90M.021</b>	15 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/78/90M.021-60Hz</b>	17,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>076</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K13/78M.021

3~ M Ex IP65  
ATEX ZONE 21




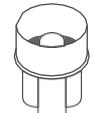
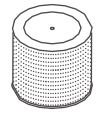
## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	18,5 - 24,8	21,3 - 28,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	18,6	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	32	32
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.250	4.000
	mbar	325	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.700	3.000
	mbar	270	300
<b>Maximum air flow</b>	l/min	15.750	19.250
	m <sup>3</sup> /h	945	1.155
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	450	
<b>Packing weight</b>	kg	470	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K13/78M.021</b>	18,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/78M.021-60Hz</b>	21,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/78/90M.021</b>	18,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/78/90M.021-60Hz</b>	21,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>076</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K18/78M.021

3~ M Ex IP65  
ATEX ZONE 21



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	18,5 - 24,8	21,3 - 28,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	18,6	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	32	32
<b>Electric protection <sup>a)</sup></b>		IP65	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G10 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II2D - Ex h fb IIIC T 125°C Db	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.000	5.000
	mbar	400	500
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.800	3.000
	mbar	280	300
<b>Maximum air flow</b>	l/min	23.183	28.000
	m <sup>3</sup> /h	1.391	1.680
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	83
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	505	
<b>Packing weight</b>	kg	525	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K18/78M.021</b>	18,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K18/78M.021-60Hz</b>	21,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K18/78/90M.021</b>	18,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K18/78/90M.021-60Hz</b>	21,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>076</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R



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 **BLUE LINE**

**ATEX ZONES 22, 2 - IP55 -  
Three phase models**

# K3M.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**




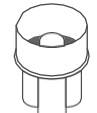

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4 - 5,4	4,55 - 6,1
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	4,25	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	7,4	7,2
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	4.000
	mbar	320	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.600	2.700
	mbar	260	270
<b>Maximum air flow</b>	l/min	5.683	6.567
	m <sup>3</sup> /h	341	394
<b>Acoustic level <sup>e)</sup></b>	dB (A)	69	72
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	147	
<b>Packing weight</b>	kg	162	
<b>Dimensions - L x W x H</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 19.500 - 1,95
	Diameter	mm 460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K3M.Z2</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K3M.Z2-60Hz</b>	4,55 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K3PM.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**




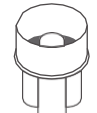

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4 - 5,4	4,55 - 6,1
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	4,25	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	7,4	7,2
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	4.000
	mbar	320	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
<b>Maximum air flow</b>	l/min	7.183	8.750
	m <sup>3</sup> /h	431	525
<b>Acoustic level <sup>e)</sup></b>	dB (A)	73	74
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	160	
<b>Packing weight</b>	kg	175	
<b>Dimensions - L x W x H</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K3PM.Z2</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K3PM.Z2-60Hz</b>	4,55 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K5SM.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**




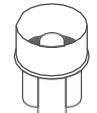

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	8,6 - 11,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	7,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	13,1	13
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	5.000	5.500
	mbar	500	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.500	3.600
	mbar	350	360
<b>Maximum air flow</b>	l/min	5.600	6.833
	m <sup>3</sup> /h	336	410
<b>Acoustic level <sup>e)</sup></b>	dB (A)	73	76
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	187	
<b>Packing weight</b>	kg	202	
<b>Dimensions - L x W x H</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 19.500 - 1,95
	Diameter	mm 460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K5SM.Z2</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K5SM.Z2-60Hz</b>	8,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K5PM.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**




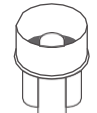

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	8,6 - 11,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	7,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	13,1	13
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.000	3.700
	mbar	300	370
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
<b>Maximum air flow</b>	l/min	8.933	10.333
	m <sup>3</sup> /h	536	620
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	187	
<b>Packing weight</b>	kg	202	
<b>Dimensions - L x W x H</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K5PM.Z2</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>K5PM.Z2-60Hz</b>	8,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# K5P/56M.Z2

3~ M Ex IP55

ATEX ZONES 2, 22  
NO CONDUCTIVE DUST



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	8,6 - 11,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	7,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	13,1	13
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark</b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.000	3.700
	mbar	300	370
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
<b>Maximum air flow</b>	l/min	8.933	10.333
	m <sup>3</sup> /h	536	620
<b>Acoustic level <sup>4)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	197	
<b>Packing weight</b>	kg	212	
<b>Dimensions - L x W x H (005 - 008)</b>	mm	1.120 x 620 x 1.450 (1.750)	
<b>Standard packing size - L x W x H (005 - 008)</b>	mm	1.140 x 730 x 1.610 (1.860)	
<b>Diameters:</b>			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>1)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>1)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>2)</sup>	H14
	Efficiency M.P.P.S. <sup>3) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K5P/56M.Z2</b>	3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K5P/56M.Z2-60Hz</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

# KB3M.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**

## GENERAL FEATURES


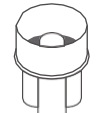

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request



## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4 - 5,4	4,55 - 6,1
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	4,25	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	7,4	7,2
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	4.000
	mbar	320	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.600	2.700
	mbar	260	270
<b>Maximum air flow</b>	l/min	5.683	6.567
	m <sup>3</sup> /h	341	394
<b>Acoustic level <sup>e)</sup></b>	dB (A)	69	72
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90 - 50	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	141	
<b>Packing weight</b>	kg	156	
<b>Dimensions - L x W x H</b>	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
<b>Standard packing size - L x W x H</b>	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
<b>Diameters:</b>			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB3M.Z2</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3M.Z2-60Hz</b>	4,55 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3/50M.Z2</b>	4 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3/50M.Z2-60Hz</b>	4,55 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	+0,00	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB3PM.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request



## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	4 - 5,4	4,55 - 6,1
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	4,25	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	7,4	7,2
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.200	4.000
	mbar	320	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
<b>Maximum air flow</b>	l/min	7.183	8.750
	m <sup>3</sup> /h	431	525
<b>Acoustic level <sup>e)</sup></b>	dB (A)	76	77
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90 - 50	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	147	
<b>Packing weight</b>	kg	162	
<b>Dimensions - L x W x H</b>	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
<b>Standard packing size - L x W x H</b>	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
<b>Diameters:</b>			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 19.500 - 1,95
	Diameter	mm 460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 28.000 - 2,8
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB3PM.Z2</b>	4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3PM.Z2-60Hz</b>	4,55 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3P/50M.Z2</b>	4 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB3P/50M.Z2-60Hz</b>	4,55 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	+0,00	R
<b>821</b>	Air exhaust hose fitting	R	R

# KB5SM.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request



## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	8,6 - 11,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	7,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	13,1	13
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	5.000	5.500
	mbar	500	550
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.500	3.600
	mbar	350	360
<b>Maximum air flow</b>	l/min	5.600	6.833
	m <sup>3</sup> /h	336	410
<b>Acoustic level <sup>e)</sup></b>	dB (A)	73	76
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90 - 50	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	182	
<b>Packing weight</b>	kg	197	
<b>Dimensions - L x W x H</b>	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
<b>Standard packing size - L x W x H</b>	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
<b>Diameters:</b>			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB5SM.Z2</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5SM.Z2-60Hz</b>	8,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5S/50M.Z2</b>	7,5 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5S/50M.Z2-60Hz</b>	8,6 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	+0,00	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB5PM.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request



TECHNICAL DATA		50 Hz	60 Hz
Power	kW - HP	7,5 - 10,1	8,6 - 11,5
Input voltages Y <sup>1)</sup>	V	690	---
Current Y	A	7,3	---
Input voltages D <sup>1)</sup>	V	400	460
Current D	A	13,1	13
Electric protection <sup>a)</sup>		IP55	
Default factory setting	V   Hz	400   50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
Insulation class <sup>b)</sup>		F	
Energetic class <sup>c)</sup>		IE3	
ATEX Mark <sup>d)</sup>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH <sub>2</sub> O	3.000	3.700
	mbar	300	370
Nominal vacuum <sup>2)</sup>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
Maximum air flow	l/min	8.933	10.333
	m <sup>3</sup> /h	536	620
Acoustic level <sup>e)</sup>	dB (A)	74	78
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	90 - 50	
Wheels material		Rubber	
Weight	kg	150	
Packing weight	kg	165	
Dimensions - L x W x H	90 l mm	990 x 650 x 1.440 (1.740)	
	50 l mm	990 x 650 x 1.440 (1.520)	
Standard packing size - L x W x H	90 l mm	1.140 x 730 x 1.610 (1.850)	
	50 l mm	1.140 x 730 x 1.610 (1.630)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   19.500 - 1,95
	Diameter	mm   460
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   56.400 - 5,64   460
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC600085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB5PM.Z2</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5PM.Z2-60Hz</b>	8,6 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5P/50M.Z2</b>	7,5 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R
<b>KB5P/50M.Z2-60Hz</b>	8,6 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>800</b>	Material inlet fitted on castor wheels side	+0,00	X
<b>821</b>	Air exhaust hose fitting	R	R

# KB5P/56M.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- Vacuometre upon request
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	8,6 - 11,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	7,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	13,1	13
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.000	3.700
	mbar	300	370
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.400	2.600
	mbar	240	260
<b>Maximum air flow</b>	l/min	8.933	10.333
	m <sup>3</sup> /h	536	620
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	90 - 50	
<b>Wheels material</b>		Rubber	
<b>Weight</b>	kg	192	
<b>Packing weight</b>	kg	207	
<b>Dimensions - L x W x H</b>	mm	1.025 x 620 x 1.700 (1.900 - 2.000)	
<b>Standard packing size - L x W x H</b>	mm	1.140 x 730 x 1.610 (2.010 - 2.110)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	100	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 35.000 - 3,5
	Diameter	mm 560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KB5P/56M.Z2</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>KB5P/56M.Z2-60Hz</b>	8,6 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
<b>006</b>	Electric filter shaker with push-button	R
<b>006A</b>	Automatic electric filter shaker	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
<b>066</b>	Bin overfilling machine switch off	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R
<b>800</b>	Material inlet fitted on castor wheels side	+0,00
<b>821</b>	Air exhaust hose fitting	R

# K7M.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**




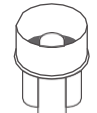

## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	8,6 - 11,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	7,6	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	13,1	13
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.750	4.500
	mbar	375	450
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.900	2.800
	mbar	290	280
<b>Maximum air flow</b>	l/min	12.250	14.183
	m <sup>3</sup> /h	735	851
<b>Acoustic level <sup>e)</sup></b>	dB (A)	70	74
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	371	
<b>Packing weight</b>	kg	391	
<b>Dimensions - L x W x H</b>	mm	1.450 x 710 x 2.040 (2.080 - 2.180)	
<b>Standard packing size - L x W x H</b>	mm	1.600 x 800 x 2.150 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K7M.Z2</b>	7,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7M.Z2-60Hz</b>	8,6 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/90M.Z2</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/90M.Z2-60Hz</b>	8,6 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K11SM.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	15 - 20,1	17,3 - 23,2
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	15,7	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	27	27
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	6.000	6.500
	mbar	600	650
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.800	3.900
	mbar	380	390
<b>Maximum air flow</b>	l/min	9.633	11.383
	m <sup>3</sup> /h	578	683
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	435	
<b>Packing weight</b>	kg	455	
<b>Dimensions - L x W x H</b>	mm	1.450 x 710 x 2.040 (2.080 - 2.180)	
<b>Standard packing size - L x W x H</b>	mm	1.600 x 800 x 2.150 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K11SM.Z2</b>	15 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11SM.Z2-60Hz</b>	17,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11S/90M.Z2</b>	15 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11S/90M.Z2-60Hz</b>	17,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K11PM.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	15 - 20,1	17,3 - 23,2
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	15,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	26,5	26,5
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.250	4.000
	mbar	325	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.700	3.000
	mbar	270	300
<b>Maximum air flow</b>	l/min	15.750	19.250
	m <sup>3</sup> /h	945	1.155
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	415	
<b>Packing weight</b>	kg	435	
<b>Dimensions - L x W x H</b>	mm	1.450 x 710 x 2.040 (2.080 - 2.180)	
<b>Standard packing size - L x W x H</b>	mm	1.600 x 800 x 2.150 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K11PM.Z2</b>	15 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11PM.Z2-60Hz</b>	17,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/90M.Z2</b>	15 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/90M.Z2-60Hz</b>	17,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K13M.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	18,5 - 24,8	21,3 - 28,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	18,6	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	32	32
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.500	4.800
	mbar	450	480
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.100	3.300
	mbar	310	330
<b>Maximum air flow</b>	l/min	19.683	23.183
	m <sup>3</sup> /h	1.181	1.391
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	495	
<b>Packing weight</b>	kg	515	
<b>Dimensions - L x W x H</b>	mm	1.450 x 710 x 2.040 (2.080 - 2.180)	
<b>Standard packing size - L x W x H</b>	mm	1.600 x 800 x 2.150 (2.190 - 2.290)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   35.000 - 3,5
	Diameter	mm   560
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm   94.800 - 9,48   560
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup>   120.000 - 12
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

Notes:

<sup>1)</sup> Other input voltages upon request

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K13M.Z2</b>	18,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13M.Z2-60Hz</b>	21,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/90M.Z2</b>	18,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/90M.Z2-60Hz</b>	21,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175l - £	90l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	R	R
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K7/78M.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	7,5 - 10,1	8,6 - 11,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	7,6	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	13,1	13
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.750	4.500
	mbar	375	450
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.900	2.800
	mbar	290	280
<b>Maximum air flow</b>	l/min	12.250	14.183
	m <sup>3</sup> /h	735	851
<b>Acoustic level <sup>e)</sup></b>	dB (A)	70	74
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	396	
<b>Packing weight</b>	kg	416	
<b>Dimensions - L x W x H</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter		
	Surface area	cm <sup>2</sup> · m <sup>2</sup>	65.000 - 6,5
	Diameter	mm	780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>		M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button	
	Optional primary filter - cartridges kit - Variant 008		
	Surface area   Diameter	cm <sup>2</sup> · m <sup>2</sup>   mm	126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media		M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar	48   4 ÷ 6
	Filter cleaning	Automatic cleaning system	
	Upstream absolute filter - Variant 005		
	Surface area	cm <sup>2</sup> · m <sup>2</sup>	130.000 - 13
	Media		Glass fibre
	Dust Class <sup>g)</sup>		H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>		99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K7/78M.Z2</b>	7,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/78M.Z2-60Hz</b>	8,6 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/78/90M.Z2</b>	7,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K7/78/90M.Z2-60Hz</b>	8,6 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K11P/78M.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	15 - 20,1	17,3 - 23,2
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	15,3	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	26,5	26,5
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE1	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	3.250	4.000
	mbar	325	400
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.700	3.000
	mbar	270	300
<b>Maximum air flow</b>	l/min	15.750	19.250
	m <sup>3</sup> /h	945	1.155
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	78
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	450	
<b>Packing weight</b>	kg	470	
<b>Dimensions - L x W x H</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request
- <sup>2)</sup> Maximum vacuum in continuous run
- <sup>3)</sup> Other materials available according to the material to be vacuumed
- <sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K11P/78M.Z2</b>	15 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/78M.Z2-60Hz</b>	17,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/78/90M.Z2</b>	15 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K11P/78/90M.Z2-60Hz</b>	17,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K13/78M.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	18,5 - 24,8	21,3 - 28,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	18,6	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	32	32
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.500	4.800
	mbar	450	480
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	3.100	3.300
	mbar	310	330
<b>Maximum air flow</b>	l/min	19.683	23.183
	m <sup>3</sup> /h	1.181	1.391
<b>Acoustic level <sup>e)</sup></b>	dB (A)	74	79
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	520	
<b>Packing weight</b>	kg	540	
<b>Dimensions - L x W x H</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> · m <sup>2</sup>   65.000 - 6,5
	Diameter	mm   780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> · m <sup>2</sup>   mm   126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar   48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> · m <sup>2</sup>   130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K13/78M.Z2</b>	18,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/78M.Z2-60Hz</b>	21,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/78/90M.Z2</b>	18,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K13/78/90M.Z2-60Hz</b>	21,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

# K18/78M.Z2



**ATEX ZONES 2, 22**  
**NO CONDUCTIVE DUST**




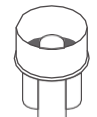
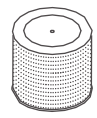
## GENERAL FEATURES

- Overheating safety relief valve
- Antistatic wheels
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

		50 Hz	60 Hz
<b>Power</b>	kW - HP	18,5 - 24,8	21,3 - 28,5
<b>Input voltages Y <sup>1)</sup></b>	V	690	---
<b>Current Y</b>	A	18,6	---
<b>Input voltages D <sup>1)</sup></b>	V	400	460
<b>Current D</b>	A	32	32
<b>Electric protection <sup>a)</sup></b>		IP55	
<b>Default factory setting</b>	V   Hz	400   50	
<b>Electrical cable:</b>			
type		4G6 H07RN-F	
length	m	9	
plug		Not supplied	
<b>Insulation class <sup>b)</sup></b>		F	
<b>Energetic class <sup>c)</sup></b>		IE3	
<b>ATEX Mark <sup>d)</sup></b>		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
<b>Maximum vacuum</b>	mmH <sub>2</sub> O	4.000	5.000
	mbar	400	500
<b>Nominal vacuum <sup>2)</sup></b>	mmH <sub>2</sub> O	2.800	3.000
	mbar	280	300
<b>Maximum air flow</b>	l/min	23.183	28.000
	m <sup>3</sup> /h	1.391	1.680
<b>Acoustic level <sup>e)</sup></b>	dB (A)	78	83
<b>Environmental working temperature</b>	°C	5 ÷ 40	
<b>Dust bin capacity</b>	l	175 - 90	
<b>Wheels material</b>		Polyurethane	
<b>Weight</b>	kg	505	
<b>Packing weight</b>	kg	525	
<b>Dimensions - L x W x H</b>	mm	1.720 x 880 x 2.165 (2.365 - 2.220)	
<b>Standard packing size - L x W x H</b>	mm	1.800 x 950 x 2.305 (2.505 - 2.360)	
<b>Diameters:</b>			
material inlet	mm	100	
air exhaust	mm	150	
wheels: chassis	mm	200 - 250	
wheels: bin	mm	100	

## FILTRATION DATA

	Default primary star filter	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 65.000 - 6,5
	Diameter	mm 780
	Dust Class <sup>f)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Electric filter shaker with push-button
	Optional primary filter - cartridges kit - Variant 008	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm 126.400 - 12,64   780
	Dust Class <sup>f)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	Upstream absolute filter - Variant 005	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 130.000 - 13
	Media	Glass fibre
	Dust Class <sup>g)</sup>	H14
	Efficiency M.P.P.S. <sup>g) 4)</sup>	99,995%

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/UE; e) EN60704-2-1; f) EN60335-2-69; g) EN1822

### Notes:

- <sup>1)</sup> Other input voltages upon request  
<sup>2)</sup> Maximum vacuum in continuous run  
<sup>3)</sup> Other materials available according to the material to be vacuumed  
<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>K18/78M.Z2</b>	18,5 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K18/78M.Z2-60Hz</b>	21,3 kW, 175 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K18/78/90M.Z2</b>	18,5 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R
<b>K18/78/90M.Z2-60Hz</b>	21,3 kW, 90 l capacity, blue RAL 5012 painted, 560 mm diameter three phase industrial vacuum cleaner	R

## OUTFITS

		175 l - £	90 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>005SS</b>	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R	R
<b>006</b>	Electric filter shaker with push-button	I	I
<b>006A</b>	Automatic electric filter shaker	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R
<b>066</b>	Bin overfilling machine switch off	R	R
<b>104</b>	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R	R
<b>603</b>	Disposal bag vacuum balance system for dust collection directly into plastic bags	R	R
<b>806</b>	Reinforced dust bin	R	R
<b>820</b>	Forklift forks sockets	R	R
<b>821</b>	Air exhaust hose fitting	R	R

 **BLUE LINE**

**ATEX ZONES 22, 2**

**Compressed air models**

**No conductive dust**

# KC36M.022B



**ATEX ZONES 22, 2**  
**NO CONDUCTIVE DUST**

## GENERAL FEATURES

- Antistatic wheels
- Vacuum gauge
- H filtration for hazardous dust vacuuming upon request



## TECHNICAL DATA

Input compressed air		
Air flow required	nl/min	1.600
Pressure required	bar	6
Antistatic hose:		
inner diameter	mm	19
length	m	6
<b>ATEX Mark <sup>a)</sup></b>		<b>II 3D Ex h IIB T60°C Dc</b>
Maximum vacuum <sup>1)</sup>		
	mmH <sub>2</sub> O	3.500
	mbar	350
Maximum air flow <sup>1)</sup>		
	l/min	2.333
	m <sup>3</sup> /h	140
<b>Acoustic level <sup>b)</sup></b>	dB (A)	69
<b>Environmental working temperature</b>	°C	5 ÷ 40
<b>Dust bin capacity</b>	l	25
<b>Wheels material</b>		Rubber
<b>Weight</b>	kg	38
<b>Packing weight</b>	kg	47
<b>Dimensions - L x W x H</b>	mm	572 x 502 x 1.080
<b>Standard packing size - L x W x H</b>	mm	820 x 550 x 1.630
Diameters:		
material inlet	mm	50
wheels: chassis	mm	100 - 150
wheels: bin	mm	50

## FILTRATION DATA

	Primary star filter		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	7.000 - 0,7
	Diameter	mm	360
	Dust Class <sup>c)</sup>   Media <sup>2)</sup>		M   Antistatic polyester
	Filter cleaning type		Ergonomic manual filter shaker
	Upstream absolute filter - Variant 005		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	16.000 - 1,6
	Media		Glass fibre
	Dust Class <sup>d)</sup>		H14
	Efficiency M.P.P.S. <sup>d) 3)</sup>		99,995%

Normatives: a) 2014/34/UE; b) EN60704-2-1; c) EN60335-2-69; d) EN1822

Notes:

<sup>1)</sup> Measured at 6 bar

<sup>2)</sup> Other materials available according to the material to be vacuumed

<sup>3)</sup> With 0,18 µm particles

## MACHINE

<b>KC36M.022B</b>	25 l capacity, blue RAL 5012 painted, 360 mm diameter compressed air driven industrial vacuum cleaner	£	R
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## OUTFITS

<b>001</b>	AISI 304 stainless steel dust bin	£	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	£	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	£	R
<b>005</b>	Upstream absolute filter (HEPA)	£	R

# KCM.022B



**ATEX ZONES 22, 2**  
**NO CONDUCTIVE DUST**

## GENERAL FEATURES

- Antistatic wheels
- Vacuum gauge
- H filtration for hazardous dust vacuuming upon request



## TECHNICAL DATA

Input compressed air		
Air flow required	nL/min	3.000
Pressure required	bar	4 ÷ 9
Antistatic hose:		
inner diameter	mm	19
length	m	6
ATEX Mark <sup>a)</sup>		II 3D Ex h IIB T60°C Dc
Maximum vacuum <sup>1)</sup>		
	mmH <sub>2</sub> O	4.500
	mbar	450
Maximum air flow <sup>1)</sup>		
	l/min	6.800
	m <sup>3</sup> /h	408
Acoustic level <sup>b)</sup>	dB (A)	75
Environmental working temperature	°C	5 ÷ 40
Dust bin capacity	l	90 - 50
Wheels material		Rubber
Weight	kg	63
Packing weight	kg	72
Dimensions - L x W x H		
	90 l mm	705 x 603 x 1.420 (1.720)
	50 l mm	705 x 603 x 1.216 (1.516)
Standard packing size - L x W x H		
	90 l mm	740 x 730 x 1.610 (1.830)
	50 l mm	740 x 730 x 1.610 (1.626)
Diameters:		
material inlet	mm	70
wheels: chassis	mm	150 - 200
wheels: bin	mm	60

## FILTRATION DATA

	• Default primary star filter		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	19.500 - 1,95
	Diameter	mm	460
	Dust Class <sup>c)</sup>   Media <sup>2)</sup>		M   Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	• Optional primary filter - cartridges kit - Variant 008		
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm	56.400 - 5,64   460
	Dust Class <sup>c)</sup>   Media		M   Antistatic polyester
	Compressed air consumption   pressure	nL/min   bar	48   4 ÷ 6
	Filter cleaning		Automatic cleaning system
	• Upstream absolute filter - Variant 005		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	16.000 - 1,6
	Media		Glass fibre
	Dust Class <sup>d)</sup>		H14
	Efficiency M.P.P.S. <sup>d) 3)</sup>		99,995%

Normatives: a) 2014/34/UE; b) EN60704-2-1; c) EN60335-2-69; d) EN1822

Notes:

<sup>1)</sup> Measured at 6 bar

<sup>2)</sup> Other materials available according to the material to be vacuumed

<sup>3)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KCM.022B</b>	90 l capacity, blue RAL 5012 painted 460 mm diameter compressed air driven industrial vacuum cleaner	R
<b>KC/50M.022B</b>	50 l capacity, blue RAL 5012 painted 460 mm diameter compressed air driven industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R

# KC2/46M.022B



**ATEX ZONES 22, 2**  
**NO CONDUCTIVE DUST**

## GENERAL FEATURES

- Antistatic wheels
- Vacuum gauge
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

<b>Input compressed air</b>		
Air flow required	nL/min	6.000
Pressure required	bar	4 ÷ 9
<b>Antistatic hose:</b>		
inner diameter	mm	19
length	m	6
<b>ATEX Mark <sup>a)</sup></b>		<b>II 3D Ex h IIIB T60°C Dc</b>
<b>Maximum vacuum <sup>1)</sup></b>	mmH <sub>2</sub> O	4.500
	mbar	450
<b>Maximum air flow <sup>1)</sup></b>	L/min	13.600
	m <sup>3</sup> /h	816
<b>Acoustic level <sup>b)</sup></b>	dB (A)	78
<b>Environmental working temperature</b>	°C	5 ÷ 40
<b>Dust bin capacity</b>	l	90 - 50
<b>Wheels material</b>		Rubber
<b>Weight</b>	kg	73
<b>Packing weight</b>	kg	82
<b>Dimensions - L x W x H</b>	90 l mm	705 x 603 x 1.420 (1.720)
	50 l mm	705 x 603 x 1.216 (1.516)
<b>Standard packing size - L x W x H</b>	90 l mm	740 x 730 x 1.610 (1.830)
	50 l mm	740 x 730 x 1.610 (1.626)
<b>Diameters:</b>		
material inlet	mm	70
wheels: chassis	mm	150 - 200
wheels: bin	mm	60



## FILTRATION DATA

	<b>• Default primary star filter</b>	
	Surface area	cm <sup>2</sup> · m <sup>2</sup> 19.500 - 1,95
	Diameter	mm 460
	Dust Class <sup>c)</sup>   Media <sup>2)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	<b>• Optional primary filter - cartridges kit - Variant 008</b>	
	Surface area   Diameter	cm <sup>2</sup> · m <sup>2</sup>   mm 56.400 - 5,64   460
	Dust Class <sup>c)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nL/min   bar 48   4 ÷ 6
	Filter cleaning	Automatic cleaning system
	<b>• Upstream absolute filter - Variant 005</b>	
	Surface area	cm <sup>2</sup> · m <sup>2</sup> 52.000 - 5,2
	Media	Glass fibre
	Dust Class <sup>d)</sup>	H14
	Efficiency M.P.P.S. <sup>d) 3)</sup>	99,995%

Normatives: a) 2014/34/UE; b) EN60704-2-1; c) EN60335-2-69; d) EN1822

Notes:

<sup>1)</sup> Measured at 6 bar

<sup>2)</sup> Other materials available according to the material to be vacuumed

<sup>3)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KC2/46M.022B</b>	90 l capacity, blue RAL 5012 painted 460 mm diameter compressed air driven industrial vacuum cleaner	R
<b>KC2/46/50M.022B</b>	50 l capacity, blue RAL 5012 painted 460 mm diameter compressed air driven industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	R	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	R	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R

# KC2M.022B



**ATEX ZONES 22, 2**  
**NO CONDUCTIVE DUST**



## GENERAL FEATURES

- Antistatic wheels
- Vacuum gauge
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

<b>Input compressed air</b>		
Air flow required	nl/min	6.000
Pressure required	bar	4 ÷ 9
<b>Antistatic hose:</b>		
inner diameter	mm	19
length	m	6
<b>ATEX Mark</b>		
		<b>II 3D Ex h IIB T60°C Dc</b>
<b>Maximum vacuum <sup>1)</sup></b>		
	mmH <sub>2</sub> O	4.500
	mbar	450
<b>Maximum air flow <sup>1)</sup></b>		
	l/min	13.600
	m <sup>3</sup> /h	816
<b>Acoustic level <sup>2)</sup></b>		
	dB (A)	78
<b>Environmental working temperature</b>		
	°C	5 ÷ 40
<b>Dust bin capacity</b>		
		90
<b>Wheels material</b>		
		Rubber
<b>Weight</b>		
	kg	99
<b>Packing weight</b>		
	kg	114
<b>Dimensions - L x W x H</b>		
	mm	930 x 665 x 1.800 (1.970 - 2.100)
<b>Standard packing size - L x W x H</b>		
	mm	1.140 x 730 x 1.910 (2.080 - 2.210)
<b>Diameters:</b>		
material inlet	mm	100
wheels: chassis	mm	150 - 200
wheels: bin	mm	60

## FILTRATION DATA

	<b>• Default primary star filter</b>		
	Surface area	cm <sup>2</sup> · m <sup>2</sup>	35.000 - 3,5
	Diameter	mm	560
	Dust Class <sup>c)</sup>   Media <sup>2)</sup>		M   Antistatic polyester
	Filter cleaning		Manual filter shaker
	<b>• Optional primary filter - cartridges kit - Variant 008</b>		
	Surface area   Diameter	cm <sup>2</sup> · m <sup>2</sup>   mm	94.800 - 9,48   560
	Dust Class <sup>c)</sup>   Media		M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar	48   4 ÷ 6
	Filter cleaning		Automatic cleaning system
	<b>• Upstream absolute filter - Variant 005</b>		
	Surface area	cm <sup>2</sup> · m <sup>2</sup>	52.000 - 5,2
	Media		Glass fibre
	Dust Class <sup>d)</sup>		H14
	Efficiency M.P.P.S. <sup>d) 3)</sup>		99,995%

Normatives: a) 2014/34/UE; b) EN60704-2-1; c) EN60335-2-69; d) EN1822

Notes:

<sup>1)</sup> Measured at 6 bar

<sup>2)</sup> Other materials available according to the material to be vacuumed

<sup>3)</sup> With 0,18 µm particles

## MACHINE

<b>KC2M.022B</b>	90 l capacity, blue RAL 5012 painted 560 mm diameter compressed air driven industrial vacuum cleaner	£	R
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## OUTFITS

<b>001</b>	AISI 304 stainless steel dust bin	£	R
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	£	R
<b>003</b>	Entirely made out of AISI 304 stainless steel	£	R
<b>005</b>	Upstream absolute filter (HEPA) - version: painted	£	R
<b>005SS</b>	Upstream absolute filter (HEPA) - version: AISI 304 stainless steel	£	R
<b>008</b>	Automatic reverse jet cartridge filtering system	£	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	£	R



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## **BLUE LINE**

**ATEX ZONES 22, 21, 2, 1**  
**Compressed air models**

# KC36M.022



ATEX ZONES 22, 21, 2, 1

## GENERAL FEATURES

- Antistatic wheels
- Vacuum gauge
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

Input compressed air		
Air flow required	nl/min	1.600
Pressure required	bar	6
Antistatic hose:		
inner diameter	mm	19
length	m	6
<b>ATEX Mark <sup>a)</sup></b>	<b>II2GD – Ex h IIC T6 ( 85°C ) Gb – Ex h IIIC T 60 °C Db</b>	
<b>Maximum vacuum <sup>1)</sup></b>	mmH <sub>2</sub> O	3.500
	mbar	350
<b>Maximum air flow <sup>1)</sup></b>	l/min	2.333
	m <sup>3</sup> /h	140
<b>Acoustic level <sup>b)</sup></b>	dB (A)	69
<b>Environmental working temperature</b>	°C	5 ÷ 40
<b>Dust bin capacity</b>	l	25
<b>Wheels material</b>		Rubber
<b>Weight</b>	kg	38
<b>Packing weight</b>	kg	47
<b>Dimensions - L x W x H</b>	mm	572 x 502 x 1.080
<b>Standard packing size - L x W x H</b>	mm	820 x 550 x 1.630
Diameters:		
material inlet	mm	50
wheels: chassis	mm	100 - 150
wheels: bin	mm	50



## FILTRATION DATA

	Primary star filter		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	7.000 - 0,7
	Diameter	mm	360
	Dust Class <sup>c)</sup>   Media <sup>2)</sup>		M   Antistatic polyester
	Filter cleaning type		Ergonomic manual filter shaker
	Upstream absolute filter - Variant 005		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	16.000 - 1,6
	Media		Glass fibre
	Dust Class <sup>d)</sup>		H14
	Efficiency M.P.P.S. <sup>d) 3)</sup>		99,995%

Normatives: a) 2014/34/UE; b) EN60704-2-1; c) EN60335-2-69; d) EN1822

Notes:

<sup>1)</sup> Measured at 6 bar

<sup>2)</sup> Other materials available according to the material to be vacuumed

<sup>3)</sup> With 0,18 µm particles

## MACHINE

	£
<b>KC36M.022</b> 25 l capacity, blue RAL 5012 painted, 360 mm diameter compressed air driven industrial vacuum cleaner	R

## OUTFITS

	£
<b>001</b> AISI 304 stainless steel dust bin	I
<b>002</b> AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b> Entirely made out of AISI 304 stainless steel	R
<b>005</b> Upstream absolute filter (HEPA)	R

# KCM.022



ATEX ZONES 22, 21, 2, 1

## GENERAL FEATURES

- Antistatic wheels
- Vacuum gauge
- H filtration for hazardous dust vacuuming upon request



## TECHNICAL DATA

Input compressed air		
Air flow required	nl/min	3.000
Pressure required	bar	4 ÷ 9
Antistatic hose:		
inner diameter	mm	19
length	m	6
ATEX Mark <sup>a)</sup>		<b>II2GD – Ex h IIC T<sub>6</sub> ( 85°C ) Gb – Ex h IIC T 60 °C Db</b>
Maximum vacuum <sup>1)</sup>		
	mmH <sub>2</sub> O	4.500
	mbar	450
Maximum air flow <sup>1)</sup>		
	l/min	6.800
	m <sup>3</sup> /h	408
Acoustic level <sup>b)</sup>	dB (A)	75
Environmental working temperature	°C	5 ÷ 40
Dust bin capacity	l	90 - 50
Wheels material		Rubber
Weight	kg	63
Packing weight	kg	72
Dimensions - L x W x H		
	90 l mm	705 x 603 x 1.420 (1.720)
	50 l mm	705 x 603 x 1.216 (1.516)
Standard packing size - L x W x H		
	90 l mm	740 x 730 x 1.610 (1.830)
	50 l mm	740 x 730 x 1.610 (1.626)
Diameters:		
material inlet	mm	70
wheels: chassis	mm	150 - 200
wheels: bin	mm	60

## FILTRATION DATA

	• Default primary star filter		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	19.500 - 1,95
	Diameter	mm	460
	Dust Class <sup>c)</sup>   Media <sup>3)</sup>		M   Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	• Optional primary filter - cartridges kit - Variant 008		
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm	56.400 - 5,64   460
	Dust Class <sup>c)</sup>   Media		M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar	48   4 ÷ 6
	Filter cleaning		Automatic cleaning system
	• Upstream absolute filter - Variant 005		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	28.000 - 2,8
	Media		Glass fibre
	Dust Class <sup>d)</sup>		H14
	Efficiency M.P.P.S. <sup>d) 4)</sup>		99,995%

Normatives: a) 2014/34/UE; b) EN60704-2-1; c) EN60335-2-69; d) EN1822

Notes:

<sup>1)</sup> Measured at 6 bar

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KCM.022</b>	90 l capacity, blue RAL 5012 painted 460 mm diameter compressed air driven industrial vacuum cleaner	R
<b>KC/50M.022</b>	50 l capacity, blue RAL 5012 painted 460 mm diameter compressed air driven industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system - version: painted	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R

# KC/46M.022



ATEX ZONES 22, 21, 2, 1

## GENERAL FEATURES

- Antistatic wheels
- Vacuum gauge
- H filtration for hazardous dust vacuuming upon request



## TECHNICAL DATA

Input compressed air		
Air flow required	nl/min	6.000
Pressure required	bar	4 ÷ 9
<b>Antistatic hose:</b>		
inner diameter	mm	19
length	m	6
<b>ATEX Mark <sup>a)</sup></b>		<b>II2GD - Ex h IIC T6 ( 85°C ) Gb Ex h IIIC T 60 °C Db</b>
<b>Maximum vacuum <sup>1)</sup></b>	mmH <sub>2</sub> O	4.500
	mbar	450
<b>Maximum air flow <sup>1)</sup></b>	l/min	13.600
	m <sup>3</sup> /h	816
<b>Acoustic level <sup>b)</sup></b>	dB (A)	78
<b>Environmental working temperature</b>	°C	5 ÷ 40
<b>Dust bin capacity</b>	l	90
<b>Wheels material</b>		Rubber
<b>Weight</b>	kg	73
<b>Packing weight</b>	kg	82
<b>Dimensions - L x W x H</b>	90 l mm	705 x 603 x 1.420 (1.720)
	50 l mm	705 x 603 x 1.216 (1.516)
<b>Standard packing size - L x W x H</b>	90 l mm	740 x 730 x 1.610 (1.830)
	50 l mm	740 x 730 x 1.610 (1.626)
<b>Diameters:</b>		
material inlet	mm	70
wheels: chassis	mm	150 - 200
wheels: bin	mm	60

## FILTRATION DATA

• Default primary star filter		
Surface area	cm <sup>2</sup> · m <sup>2</sup>	19.500 - 1,95
Diameter	mm	460
Dust Class <sup>c)</sup>   Media <sup>3)</sup>		M   Antistatic polyester
Filter cleaning		Ergonomic manual filter shaker
• Optional primary filter - cartridges kit - Variant 008		
Surface area   Diameter	cm <sup>2</sup> · m <sup>2</sup>   mm	56.400 - 5,64   460
Dust Class <sup>c)</sup>   Media		M   Antistatic polyester
Compressed air consumption   pressure	nl/min   bar	48   4 ÷ 6
Filter cleaning		Automatic cleaning system
• Upstream absolute filter - Variant 005		
Surface area	cm <sup>2</sup> · m <sup>2</sup>	52.000 - 5,2
Media		Glass fibre
Dust Class <sup>d)</sup>		H14
Efficiency M.P.P.S. <sup>d)4)</sup>		99,995%

Normatives: a) 2014/34/UE; b) EN60704-2-1; c) EN60335-2-69; d) EN1822

Notes:

<sup>1)</sup> Measured at 6 bar

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KC2/46M.022</b>	90 l capacity, blue RAL 5012 painted 460 mm diameter compressed air driven industrial vacuum cleaner	R
<b>KC2/46/50M.022</b>	50 l capacity, blue RAL 5012 painted 460 mm diameter compressed air driven industrial vacuum cleaner	R

## OUTFITS

		90 l - £	50 l - £
<b>001</b>	AISI 304 stainless steel dust bin	I	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R	R
<b>005</b>	Upstream absolute filter (HEPA)	R	R
<b>008</b>	Automatic reverse jet cartridge filtering system - version: painted	R	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R	R

# KC2M.022



ATEX ZONES 22, 21, 2, 1

## GENERAL FEATURES

- Antistatic wheels
- Vacuum gauge
- H filtration for hazardous dust vacuuming upon request

## TECHNICAL DATA

<b>Input compressed air</b>		
Air flow required	nl/min	6.000
Pressure required	bar	4 ÷ 9
<b>Antistatic hose:</b>		
inner diameter	mm	19
length	m	6
<b>ATEX Mark</b>		
<b>II2GD – Ex h IIC T<sub>6</sub> ( 85°C ) Gb – Ex h IIC T 60 °C Db</b>		
<b>Maximum vacuum <sup>1)</sup></b>	mmH <sub>2</sub> O	4.500
	mbar	450
<b>Maximum air flow <sup>1)</sup></b>	l/min	13.600
	m <sup>3</sup> /h	816
<b>Acoustic level <sup>2)</sup></b>	dB (A)	78
<b>Environmental working temperature</b>	°C	5 ÷ 40
<b>Dust bin capacity</b>		90
<b>Wheels material</b>		Rubber
<b>Weight</b>	kg	99
<b>Packing weight</b>	kg	114
<b>Dimensions - L x W x H</b>	mm	930 x 665 x 1.800 (1.970 - 2.100)
<b>Standard packing size - L x W x H</b>	mm	1.140 x 730 x 1.910 (2.080 - 2.210)
<b>Diameters:</b>		
material inlet	mm	100
wheels: chassis	mm	150 - 200
wheels: bin	mm	60



## FILTRATION DATA

	<b>• Default primary star filter</b>		
	Surface area	cm <sup>2</sup> · m <sup>2</sup>	35.000 - 3,5
	Diameter	mm	560
	Dust Class <sup>c)</sup>   Media <sup>3)</sup>		M   Antistatic polyester
	Filter cleaning		Manual filter shaker
	<b>• Optional primary filter - cartridges kit - Variant 008</b>		
	Surface area   Diameter	cm <sup>2</sup> · m <sup>2</sup>   mm	94.800 - 9,48   560
	Dust Class <sup>c)</sup>   Media		M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar	48   4 ÷ 6
	Filter cleaning		Automatic cleaning system
	<b>• Upstream absolute filter - Variant 005</b>		
	Surface area	cm <sup>2</sup> · m <sup>2</sup>	52.000 - 5,2
	Media		Glass fibre
	Dust Class <sup>d)</sup>		H14
	Efficiency M.P.P.S. <sup>d)4)</sup>		99,995%

Normatives: a) 2014/34/UE; b) EN60704-2-1; c) EN60335-2-69; d) EN1822

Notes:

<sup>1)</sup> Measured at 6 bar

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

<b>KC2M.022</b>	90 l capacity, blue RAL 5012 painted 560 mm diameter compressed air driven industrial vacuum cleaner	£
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## OUTFITS

<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA) - version: painted	R
<b>005SS</b>	Upstream absolute filter (HEPA) - version: AISI 304 stainless steel	R
<b>008</b>	Automatic reverse jet cartridge filtering system	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R

# KCM.078



ATEX ZONES 22, 21, 2, 1

## GENERAL FEATURES

- Antistatic wheels
- Vacuum gauge
- H filtration for hazardous dust vacuuming upon request



## TECHNICAL DATA

Input compressed air		
Air flow required	nl/min	3.000
Pressure required	bar	4 ÷ 9
Antistatic hose:		
inner diameter	mm	19
length	m	6
<b>ATEX Mark <sup>a)</sup></b>	<b>II2GD – Ex h IIC T6 ( 85°C ) Gb – Ex h IIIC T 60 °C Db</b>	
Maximum vacuum <sup>1)</sup>		
	mmH <sub>2</sub> O	4.500
	mbar	450
Maximum air flow <sup>1)</sup>		
	l/min	6.800
	m <sup>3</sup> /h	408
Acoustic level <sup>b)</sup>	dB (A)	75
Environmental working temperature	°C	5 ÷ 40
Dust bin capacity	l	90
Wheels material		Rubber
Weight	kg	66
Packing weight	kg	75
Dimensions - L x W x H		
	90 l mm	705 x 603 x 1.420 (1.720)
	50 l mm	...
Standard packing size - L x W x H		
	90 l mm	740 x 730 x 1.610 (1.830)
	50 l mm	...
Diameters:		
material inlet	mm	70
wheels: chassis	mm	150 - 200
wheels: bin	mm	60

## FILTRATION DATA

	• Default primary star filter		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	19.500 - 1,95
	Diameter	mm	460
	Dust Class <sup>c)</sup>   Media <sup>3)</sup>		M   Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	• Optional primary filter - cartridges kit - Variant 008		
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm	56.400 - 5,64   460
	Dust Class <sup>c)</sup>   Media		M   Antistatic polyester
	Compressed air consumption   pressure	nl/min   bar	48   4 ÷ 6
	Filter cleaning		Automatic cleaning system
	• Upstream absolute filter - Variant 005		
	Surface area	cm <sup>2</sup> - m <sup>2</sup>	28.000 - 2,8
	Media		Glass fibre
	Dust Class <sup>d)</sup>		H14
	Efficiency M.P.P.S. <sup>d)4)</sup>		99,995%

Normatives: a) 2014/34/UE; b) EN60704-2-1; c) EN60335-2-69; d) EN1822

### Notes:

<sup>1)</sup> Measured at 6 bar

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

		£
<b>KCM.078</b>	90 l capacity, blue RAL 5012 painted 460 mm diameter compressed air driven industrial vacuum cleaner	R
...	...	...

## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
<b>003</b>	Entirely made out of AISI 304 stainless steel	R
<b>005</b>	Upstream absolute filter (HEPA)	R
<b>008</b>	Automatic reverse jet cartridge filtering system - version: painted	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R

# KC2/46M.078



ATEX ZONES 22, 21, 2, 1

## GENERAL FEATURES

- Antistatic wheels
- Vacuum gauge
- H filtration for hazardous dust vacuuming upon request



## TECHNICAL DATA

Input compressed air		
Air flow required	nL/min	6.000
Pressure required	bar	4 ÷ 9
<b>Antistatic hose:</b>		
inner diameter	mm	19
length	m	6
<b>ATEX Mark <sup>a)</sup></b>		<b>II2GD – Ex h IIC T6 ( 85°C ) Gb – Ex h IIIC T 60 °C Db</b>
<b>Maximum vacuum <sup>1)</sup></b>	mmH <sub>2</sub> O	4.500
	mbar	450
<b>Maximum air flow <sup>1)</sup></b>	L/min	13.600
	m <sup>3</sup> /h	816
<b>Acoustic level <sup>b)</sup></b>	dB (A)	78
<b>Environmental working temperature</b>	°C	5 ÷ 40
<b>Dust bin capacity</b>	l	90
<b>Wheels material</b>		Rubber
<b>Weight</b>	kg	78
<b>Packing weight</b>	kg	87
<b>Dimensions - L x W x H</b>	90 l mm	705 x 603 x 1.420 (1.720)
	50 l mm	---
<b>Standard packing size - L x W x H</b>	90 l mm	740 x 730 x 1.610 (1.830)
	50 l mm	---
<b>Diameters:</b>		
material inlet	mm	70
wheels: chassis	mm	150 - 200
wheels: bin	mm	60

## FILTRATION DATA

	<b>• Default primary star filter</b>	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 7.000 - 0,7
	Diameter	mm 360
	Dust Class <sup>c)</sup>   Media <sup>3)</sup>	M   Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	<b>• Optional primary filter - cartridges kit - Variant 008</b>	
	Surface area   Diameter	cm <sup>2</sup> - m <sup>2</sup>   mm
	Dust Class <sup>c)</sup>   Media	M   Antistatic polyester
	Compressed air consumption   pressure	nL/min   bar
	Filter cleaning	Automatic cleaning system
	<b>• Upstream absolute filter - Variant 005</b>	
	Surface area	cm <sup>2</sup> - m <sup>2</sup> 16.000 - 1,6
	Media	Glass fibre
	Dust Class <sup>d)</sup>	H14
	Efficiency M.P.P.S. <sup>d)4)</sup>	99,995%

Normatives: a) 2014/34/UE; b) EN60704-2-1; c) EN60335-2-69; d) EN1822

Notes:

<sup>1)</sup> Measured at 6 bar

<sup>2)</sup> Maximum vacuum in continuous run

<sup>3)</sup> Other materials available according to the material to be vacuumed

<sup>4)</sup> With 0,18 µm particles

## MACHINE

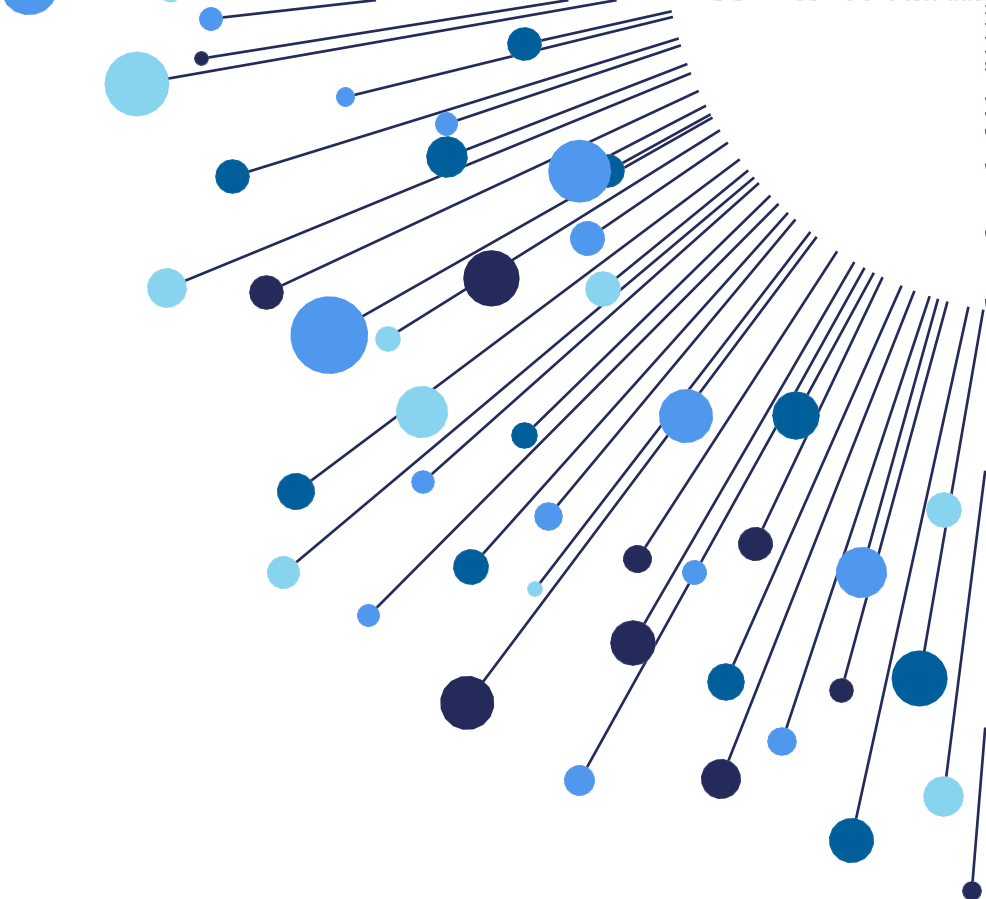
		£
<b>KC2/46M.078</b>	90 l capacity, blue RAL 5012 painted 460 mm diameter compressed air driven industrial vacuum cleaner	R
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## OUTFITS

		£
<b>001</b>	AISI 304 stainless steel dust bin	I
<b>002</b>	AISI 304 stainless steel dust bin and filtering chamber	I
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<b>005</b>	Upstream absolute filter (HEPA)	R
<b>008</b>	Automatic reverse jet cartridge filtering system - version: painted	R
<b>008SS</b>	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R







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