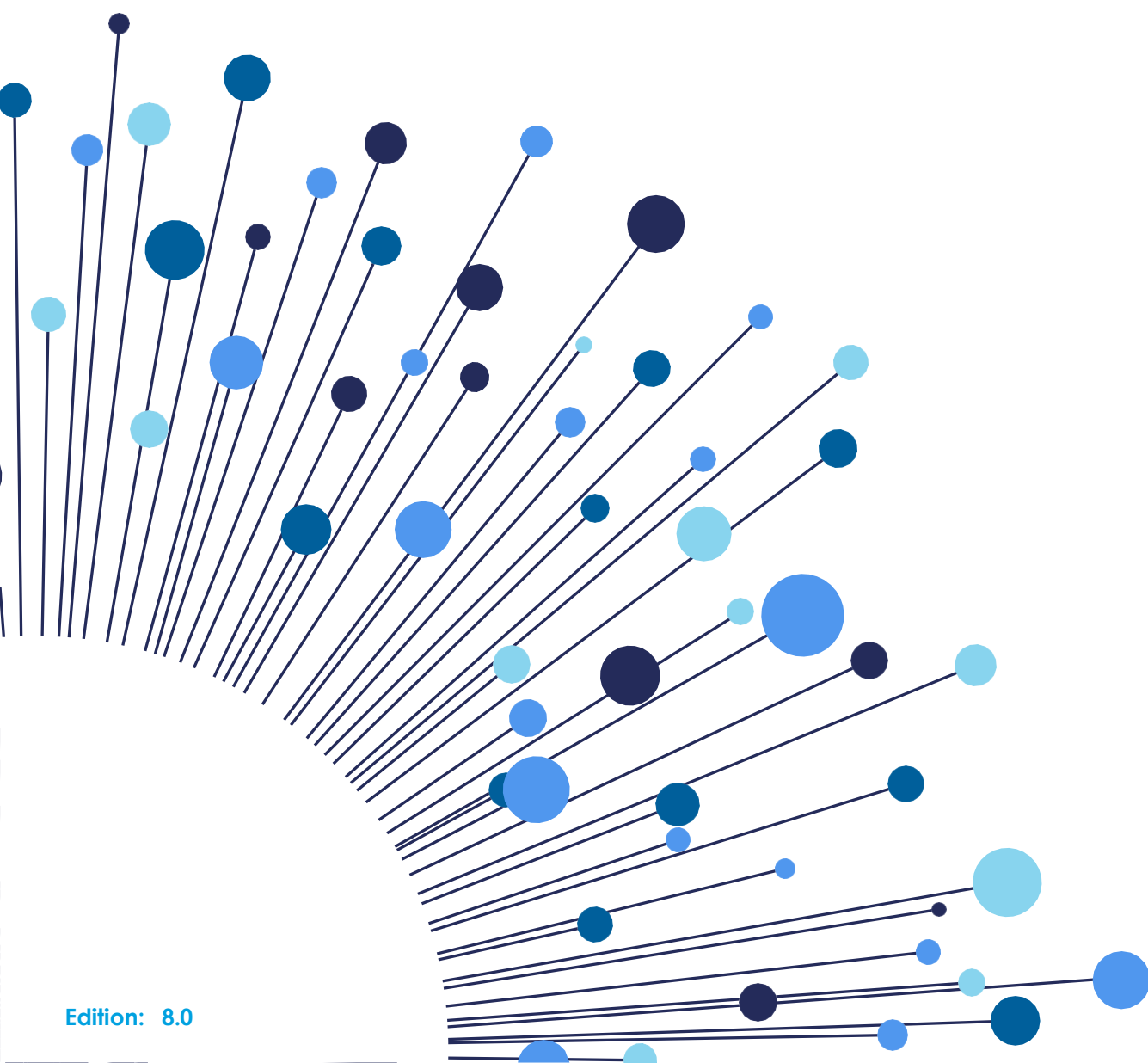




MACHINES INFO



ATEX SILVER LINE INDUSTRIAL VACUUM CLEANERS





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ATEX ZONE 22 - IP55 NO CONDUCTIVE DUST

SINGLE PHASE WITH CAPACITOR MODELS

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ATEX ZONE 22 - IP6X IN PRESENCE OF CONDUCTIVE DUST

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KH1036M.022	84
KH1636M.022	86
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KH3046M.022	90
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KV1036M.022	96
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ATEX ZONE 21 - IP65

THREE PHASE MODELS

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KF16M.021	108
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KF30PM.021	112
K5P/56M.9006.021	114
KH1028M.021	116
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KH1636M.021	120
KH3036M.021	122
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KV1036M.021	130
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ATEX ZONES 22, 2 - IP55

THREE PHASE MODELS

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KF30M.Z2	144
KF30PM.Z2	146
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KH1036M.Z2	152
KH1636M.Z2	154
KH3036M.Z2	156
KH3046M.Z2	158
KH3046PM.Z2	160
KV1028M.Z2	162
KV1036M.Z2	164
KV1636M.Z2	166
KV3046M.Z2	168
KV3046PM.Z2	170



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SILVER LINE

**ATEX ZONE 22 - IP55 -
Single Phase with capacitor
models**

KF22M.100.022B



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
Power	kW - HP	2,2 - 2,9	---
Input voltages Y ¹⁾	V	230	---
Current Y	A	15	---
Input voltages D ¹⁾	V	---	---
Current D	A	---	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	230 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	2.650	---
	mbar	265	---
Nominal vacuum ²⁾	mmH ₂ O	2.000	---
	mbar	200	---
Maximum air flow	l/min	5.600	---
	m ³ /h	336	---
Acoustic level ^{e)}	dB (A)	70	---
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	50	
Wheels material		Rubber	
Weight	kg	115	
Packing weight	kg	130	
Dimensions - L x W x H (H .008)	mm	775 x 585 x 1.705 (1.905)	
Packing size - L x W x H (H .008)	mm	870 x 670 x 1.860 (2.015)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	56.400 - 5,64 460
	Dust Class ^{f)} 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 ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{h) 4)}		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass Fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{h) 4)}		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:

¹⁾ Other input voltages upon request

²⁾ Maximum vacuum in continuous run

³⁾ Other materials available according to the material to be vacuumed

⁴⁾ With 0,18 µm particles

⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF22M.100.022B	2,2 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter single phase industrial vacuum cleaner	R
---	---	---

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	R
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁵⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KH2236M.100.022B

1~ M Ex IP55

ATEX ZONE 22
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA		50 Hz	60 Hz
Power	kW - HP	2,2 - 2,9	---
Input voltages Y ¹⁾	V	230	---
Current Y	A	15	---
Input voltages D ¹⁾	V	---	---
Current D	A	---	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	230 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	2.650	---
	mbar	265	---
Nominal vacuum ²⁾	mmH ₂ O	2.000	---
	mbar	200	---
Maximum air flow	l/min	5.600	---
	m ³ /h	336	---
Acoustic level ^{e)}	dB (A)	70	---
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	42	
Packing weight	kg	52	
Dimensions - L x W x H	mm	454 x 827 x 1.219	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter			
	Surface area	cm ² - m ²	7.000 - 0,7
	Diameter	mm	360
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005			
	Surface area	cm ² - m ²	27.000 - 2,7
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH2236M.100.022B	2,2 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter single phase industrial vacuum cleaner	R
...

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KH2246M.100.022B

1~ M Ex IP55

ATEX ZONE 22
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA		50 Hz	60 Hz
Power	kW - HP	2,2 - 2,9	---
Input voltages Y ¹⁾	V	230	---
Current Y	A	15	---
Input voltages D ¹⁾	V	---	---
Current D	A	---	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	230 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	2.650	---
	mbar	265	---
Nominal vacuum ²⁾	mmH ₂ O	2.000	---
	mbar	200	---
Maximum air flow	l/min	5.600	---
	m ³ /h	336	---
Acoustic level ^{e)}	dB (A)	70	---
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	42	
Packing weight	kg	52	
Dimensions - L x W x H	mm	454 x 827 x 1.219	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

	Default primary bag filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
	Filter cleaning		Manual filter shaker
	Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ³⁾		H14
	Efficiency M.P.P.S. ^{3) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH2246M.100.022B	2,2 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter single phase industrial vacuum cleaner	R
---	---	---

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ¹⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV2246M.100.022B

1~ M Ex IP55

ATEX ZONE 22
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	2,2 - 2,9	---
Input voltages Y ¹⁾	V	230	---
Current Y	A	15	---
Input voltages D ¹⁾	V	---	---
Current D	A	---	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	230 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	2.650	---
	mbar	265	---
Nominal vacuum ²⁾	mmH ₂ O	2.000	---
	mbar	200	---
Maximum air flow	l/min	5.600	---
	m ³ /h	336	---
Acoustic level ^{e)}	dB (A)	71	---
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	60	
Packing weight	kg	70	
Dimensions - L x W x H	mm	685 x 560 x 1.600	
Packing size - L x W x H	mm	1.140 x 730 x 1.710	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
Surface area	cm ² - m ²	19.500 - 1,95
Diameter	mm	460
Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	28.000 - 2,8
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV2246M.100.022B	2,2 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter single phase industrial vacuum cleaner	R
---	---	---

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ²⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R



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 **SILVER LINE**

**ATEX ZONE 22 - IP55 -
Three Phase models**

KF10M.F022B



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
Power	kW - HP	1,1 - 1,47	1,3 - 1,74
Input voltages Y ¹⁾	V	345 ... 415	380 ... 480
Current Y	A	2,62 ... 2,37	2,80 ... 2,36
Input voltages D ¹⁾	V	200 ... 240	220 ... 280
Current D	A	4,1	4,1
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE2	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	2.500	3.200
	mbar	250	320
Nominal vacuum ²⁾	mmH ₂ O	2.000	1.750
	mbar	200	175
Maximum air flow	l/min	2.400	2.900
	m ³ /h	144	174
Acoustic level ^{e)}	dB (A)	64	65
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Wheels material		Rubber	
Weight	kg	82	
Packing weight	kg	97	
Dimensions - L x W x H	mm	690 x 465 x 1.475	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter	
	Surface area	cm ² - m ² 7.000 - 0,7
	Diameter	mm 360
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Upstream absolute filter - Variant 005	
	Surface area	cm ² - m ² 16.000 - 1,6
	Media	Glass Fibre
	Dust Class ²⁾	H14
	Efficiency M.P.P.S. ^{3) 4)}	99,995%
	Downstream absolute filter - Variant 045	
	Surface area	cm ² - m ² 55.000 - 5,5
	Media	Glass Fibre
	Dust Class ²⁾	H14
	Efficiency M.P.P.S. ^{3) 4)}	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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF10M.F022B	1,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KF10M.F022B-60Hz	1,3 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	R
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
100	Single phase vacuum unit with capacitor	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF16M.F022B

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
Power	kW - HP	1,5 - 2,0	1,7 - 2,3
Input voltages Y ¹⁾	V	400	460
Current Y	A	3,2	3,07
Input voltages D ¹⁾	V	230	265
Current D	A	5,54	5,32
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	2.800	3.500
	mbar	280	350
Nominal vacuum ²⁾	mmH ₂ O	1.750	1.600
	mbar	175	160
Maximum air flow	l/min	3.833	4.633
	m ³ /h	230	278
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Wheels material		Rubber	
Weight	kg	90	
Packing weight	kg	105	
Dimensions - L x W x H	mm	690 x 465 x 1.475	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter	
	Surface area	cm ² - m ² 7.000 - 0,7
	Diameter	mm 360
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Upstream absolute filter - Variant 005	
	Surface area	cm ² - m ² 16.000 - 1,6
	Media	Glass Fibre
	Dust Class ²⁾	H14
	Efficiency M.P.P.S. ^{3) 4)}	99,995%
	Downstream absolute filter - Variant 045	
	Surface area	cm ² - m ² 55.000 - 5,5
	Media	Glass Fibre
	Dust Class ²⁾	H14
	Efficiency M.P.P.S. ^{3) 4)}	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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF16M.F022B	1,5 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KF16M.F022B-60Hz	1,7 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	R
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
100	Single phase vacuum unit with capacitor	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF30M.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
Power	kW - HP	3,0 - 4,0	3,6 - 4,8
Input voltages Y ¹⁾	V	400	380
Current Y	A	6,5	7,4
Input voltages D ¹⁾	V	230	220
Current D	A	11,3	12,8
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	3.700
	mbar	320	370
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.400
	mbar	240	240
Maximum air flow	l/min	5.600	6.300
	m ³ /h	336	378
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	50	
Wheels material		Rubber	
Weight	kg	116	
Packing weight	kg	131	
Dimensions - L x W x H (H .008)	mm	775 x 585 x 1.705 (1.905)	
Packing size - L x W x H (H .008)	mm	870 x 670 x 1.860 (2.015)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	56.400 - 5,64 460
	Dust Class ^{f)} 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 ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ⁴⁾		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ⁴⁾		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:

¹⁾ Other input voltages upon request

²⁾ Maximum vacuum in continuous run

³⁾ Other materials available according to the material to be vacuumed

⁴⁾ With 0,18 µm particles

⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF30M.022B	3 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KF30M.022B-60Hz	3,6 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	R
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁵⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF30PM.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
Power	kW - HP	3,0 - 4,0	---
Input voltages Y ¹⁾	V	345 ... 415	---
Current Y	A	7,2	---
Input voltages D ¹⁾	V	200 ... 240	---
Current D	A	12,5	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	---
	mbar	320	---
Nominal vacuum ²⁾	mmH ₂ O	2.200	---
	mbar	220	---
Maximum air flow	l/min	7.183	---
	m ³ /h	431	---
Acoustic level ^{e)}	dB (A)	70	---
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	50	
Wheels material		Rubber	
Weight	kg	124	
Packing weight	kg	139	
Dimensions - L x W x H (H .008)	mm	775 x 585 x 1.705 (1.905)	
Packing size - L x W x H (H .008)	mm	870 x 670 x 1.860 (2.015)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	56.400 - 5,64 460
	Dust Class ^{f)} 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 ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass Fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		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:

¹⁾ Other input voltages upon request

²⁾ Maximum vacuum in continuous run

³⁾ Other materials available according to the material to be vacuumed

⁴⁾ With 0,18 µm particles

⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF30PM.022B	3 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
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OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	R
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁵⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF30M.386B



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
Power	kW - HP	3,0 - 4,0	3,6 - 4,8
Input voltages Y ¹⁾	V	400	380
Current Y	A	6,5	7,4
Input voltages D ¹⁾	V	230	220
Current D	A	11,3	12,8
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	3.700
	mbar	320	370
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.400
	mbar	240	240
Maximum air flow	l/min	5.600	6.300
	m ³ /h	336	378
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Wheels material		Rubber	
Weight	kg	55	
Packing weight	kg	75	
Dimensions - L x W x H (H .005 H .008)	mm	775 x 585 x 2.063 (2.263)	
Packing size - L x W x H (H .005 H .008)	mm	870 x 670 x 2.173 (2.373)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	56.400 - 5,64 460
	Dust Class ¹⁾ 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 ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ¹⁾		H14
	Efficiency M.P.P.S. ⁴⁾		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ¹⁾		H14
	Efficiency M.P.P.S. ⁴⁾		99,995%

DUST COLLECTION SYSTEM

	Type		EBCS ⁵⁾
	Bag length (4 units) Diameter	m mm	20 360
	Material		3-layers antistatic coextruded polyethylene
	Thickness	µm	64

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

Notes:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ EBCS (Endless Bag Collecting System)
- ⁶⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF30M.386B	3 kW, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KF30M.386B-60Hz	3,6 kW, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
002	AISI 304 stainless steel filtering chamber	R
002P	AISI 316L stainless steel filtering chamber - Pharma finishing ⁶⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁶⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁶⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R

KF30PM.386B



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
Power	kW - HP	3,0 - 4,0	---
Input voltages Y ¹⁾	V	345 ... 415	---
Current Y	A	7,2	---
Input voltages D ¹⁾	V	200 ... 240	---
Current D	A	12,5	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	---
	mbar	320	---
Nominal vacuum ²⁾	mmH ₂ O	2.200	---
	mbar	220	---
Maximum air flow	l/min	7.183	---
	m ³ /h	431	---
Acoustic level ^{e)}	dB (A)	69	---
Environmental working temperature	°C	5 ÷ 40	
Wheels material		Rubber	
Weight	kg	86	
Packing weight	kg	106	
Dimensions - L x W x H (H .005 H .008)	mm	775 x 585 x 2.063 (2.263)	
Packing size - L x W x H (H .005 H .008)	mm	870 x 670 x 2.173 (2.373)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	56.400 - 5,64 460
	Dust Class ¹⁾ 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 ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ¹⁾		H14
	Efficiency M.P.P.S. ⁴⁾		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ¹⁾		H14
	Efficiency M.P.P.S. ⁴⁾		99,995%

DUST COLLECTION SYSTEM

	Type		EBCS ⁵⁾
	Bag length (4 units) Diameter	m mm	20 360
	Material		3-layers antistatic coextruded polyethylene
	Thickness	µm	64

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

Notes:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ EBCS (Endless Bag Collecting System)
- ⁶⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF30PM.386	3 kW, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
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OUTFITS

		£
002	AISI 304 stainless steel filtering chamber	R
002P	AISI 316L stainless steel filtering chamber - Pharma finishing ⁶⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁶⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁶⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R

K5P/56M.9006.022B



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

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	35.000 - 3,5
	Diameter	mm	560
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	94.800 - 9,48 560
	Dust Class ^{f)} 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 ² - m ²	52.000 - 5,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		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:

¹⁾ Other input voltages upon request

²⁾ Maximum vacuum in continuous run

³⁾ Other materials available according to the material to be vacuumed

⁴⁾ With 0,18 µm particles

⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
K5P/56M.9006.022B	5,5 kW, 90 l capacity, grey RAL 9006 painted, 560 mm diameter three phase industrial vacuum cleaner	R
K5P/56M.9006.022B-60Hz	6,6 kW, 90 l capacity, grey RAL 9006 painted, 560 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	R
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
005SS	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
005P	Upstream absolute filter (HEPA) with M dust class primary filter - version AISI 316 stainless steel - Pharma finishing ⁵⁾	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁵⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KH0528M.F022B



ATEX ZONE 22
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	0,55 - 0,74	0,65 - 0,87
Input voltages Y ¹⁾	V	345 ... 415	380 ... 480
Current Y	A	1,44	1,39
Input voltages D ¹⁾	V	200 ... 240	220 ... 280
Current D	A	2,49	2,41
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	1.750	2.500
	mbar	175	250
Nominal vacuum ²⁾	mmH ₂ O	1.250	1.750
	mbar	125	175
Maximum air flow	l/min	1.300	1.550
	m ³ /h	78	93
Acoustic level ^{e)}	dB (A)	63	64
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	9	
Weight	kg	25	
Packing weight	kg	35	
Dimensions - L x W x H	mm	650 x 350 x 480	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	40	
air exhaust	mm	---	

FILTRATION DATA

Default primary bag filter			
	Surface area	cm ² - m ²	2.300 - 0,23
	Diameter	mm	280
	Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
	Filter cleaning		Not available
Upstream absolute filter - Variant 005			
	Surface area	cm ² - m ²	12.000 - 1,2
	Media		Glass fibre
	Dust Class ³⁾		H14
	Efficiency M.P.P.S. ⁴⁾		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH0528M.F022B	0,55 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R
KH0528M.F022B-60Hz	0,65 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ³⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
100	Single phase vacuum unit with capacitor	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
435	Silencer for painted version	R
961	Chassis with wheels	R
SILINOX	Silencer for stainless steel versions	R

KH1028M.F022B



ATEX ZONE 22
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,47	1,3 - 1,74
Input voltages Y ¹⁾	V	345 ... 415	380 ... 480
Current Y	A	2,62 ... 2,37	2,80 ... 2,36
Input voltages D ¹⁾	V	200 ... 240	220 ... 280
Current D	A	4,1	4,1
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE2	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	2.500	3.200
	mbar	250	320
Nominal vacuum ²⁾	mmH ₂ O	2.000	1.750
	mbar	200	175
Maximum air flow	l/min	2.400	2.900
	m ³ /h	144	174
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	9	
Weight	kg	30	
Packing weight	kg	40	
Dimensions - L x W x H	mm	650 x 350 x 480	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	40	
air exhaust	mm	---	

FILTRATION DATA

	Default primary bag filter		
	Surface area	cm ² - m ²	2.300 - 0,23
	Diameter	mm	280
	Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Not available	
	Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ²	12.000 - 1,2
	Media		Glass fibre
	Dust Class ²⁾		H14
	Efficiency M.P.P.S. ^{3) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH1028M.F022B	1,1 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R
KH1028M.F022B-60Hz	1,3 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ²⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
100	Single phase vacuum unit with capacitor	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
435	Silencer for painted version	R
961	Chassis with wheels	R
SILINOX	Silencer for stainless steel versions	R

KH1036M.F022B



ATEX ZONE 22
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,47	1,3 - 1,74
Input voltages Y ¹⁾	V	345 ... 415	380 ... 480
Current Y	A	2,62 ... 2,37	2,80 ... 2,36
Input voltages D ¹⁾	V	200 ... 240	220 ... 280
Current D	A	4,1	4,1
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE2	
ATEX Mark ^{d)}		II3D - Ex h tc IIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	2.500	3.200
	mbar	250	320
Nominal vacuum ²⁾	mmH ₂ O	2.000	1.750
	mbar	200	175
Maximum air flow	l/min	2.400	2.900
	m ³ /h	144	174
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	40	
Packing weight	kg	50	
Dimensions - L x W x H	mm	454 x 827 x 811	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	---	

FILTRATION DATA

Default primary bag filter			
	Surface area	cm ² - m ²	7.000 - 0,7
	Diameter	mm	360
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005			
	Surface area	cm ² - m ²	16.000 - 1,6
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH1036M.F022B	1,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KH1036M.F022B-60Hz	1,3 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
100	Single phase vacuum unit with capacitor	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
435	Silencer for painted version	R
961	Chassis with wheels	R
SILINOX	Silencer for stainless steel versions	R

KH1636M.F022B

3~ M Ex IP55

ATEX ZONE 22
NO CONDUCTIVE DUST





GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,5 - 2,0	1,7 - 2,3
Input voltages Y ¹⁾	V	400	460
Current Y	A	3,2	3,07
Input voltages D ¹⁾	V	230	265
Current D	A	5,54	5,32
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	2.800	3.500
	mbar	280	350
Nominal vacuum ²⁾	mmH ₂ O	1.750	1.600
	mbar	175	160
Maximum air flow	l/min	3.833	4.633
	m ³ /h	230	278
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	54	
Packing weight	kg	69	
Dimensions - L x W x H	mm	454 x 827 x 1.219	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
	Surface area	cm ² - m ² 7.000 - 0,7
	Diameter	mm 360
	Dust Class ^{f)} Media ³⁾	M Antistatic polyester
	Filter cleaning	Manual filter shaker
Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ² 16.000 - 1,6
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH1636M.F022B	1,5 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KH1636M.F022B-60Hz	1,7 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
100	Single phase vacuum unit with capacitor	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KH3036M.022B



ATEX ZONE 22
NO CONDUCTIVE DUST





GENERAL FEATURES

- Overheating safety relief valve
- 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 ¹⁾	V	400	380
Current Y	A	6,5	7,4
Input voltages D ¹⁾	V	230	220
Current D	A	11,3	12,8
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	3.700
	mbar	320	370
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.400
	mbar	240	240
Maximum air flow	l/min	5.600	6.300
	m ³ /h	336	378
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	68	
Packing weight	kg	78	
Dimensions - L x W x H	mm	454 x 827 x 1.219	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
	Surface area	cm ² - m ² 7.000 - 0,7
	Diameter	mm 360
	Dust Class ^{f)} Media ³⁾	M Antistatic polyester
	Filter cleaning	Manual filter shaker
Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ² 27.000 - 2,7
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH3036M.022B	3 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KH3036M.022B-60Hz	3,6 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
100	Single phase vacuum unit with capacitor	X
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KH3046M.022B



ATEX ZONE 22
NO CONDUCTIVE DUST



GENERAL FEATURES

- Overheating safety relief valve
- 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 ¹⁾	V	400	380
Current Y	A	6,5	7,4
Input voltages D ¹⁾	V	230	220
Current D	A	11,3	12,8
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:		Not supplied	
type		4G2,5 H07RN-F	
length	m	6	
plug			
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	3.700
	mbar	320	370
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.400
	mbar	240	240
Maximum air flow	l/min	5.600	6.300
	m ³ /h	336	378
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	56	
Packing weight	kg	66	
Dimensions - L x W x H	mm	929 x 563 x 1.219	
Packing size - L x W x H	mm	1.140 x 730 x 1.610	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter			
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
	Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005			
	Surface area	cm ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH3046M.022B	3 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KH3046M.022B-60Hz	3,6 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KH3046PM.022B

3~ M Ex IP55

ATEX ZONE 22
NO CONDUCTIVE DUST





GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	3,0 - 4,0	---
Input voltages Y ¹⁾	V	345 ... 415	---
Current Y	A	7,2	---
Input voltages D ¹⁾	V	200 ... 240	---
Current D	A	12,5	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	---
	mbar	320	---
Nominal vacuum ²⁾	mmH ₂ O	2.200	---
	mbar	220	---
Maximum air flow	l/min	7.183	---
	m ³ /h	431	---
Acoustic level ^{e)}	dB (A)	70	---
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	80	
Packing weight	kg	90	
Dimensions - L x W x H	mm	929 x 563 x 1.219	
Packing size - L x W x H	mm	1.140 x 730 x 1.610	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
	Surface area	cm ² - m ² 19.500 - 1,95
	Diameter	mm 460
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Manual filter shaker
Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ² 28.000 - 2,8
	Media	Glass fibre
	Dust Class ³⁾	H14
	Efficiency M.P.P.S. ^{3) 4)}	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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH3046PM.022B	3 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
...	...	---

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV0528M.F022B



ATEX ZONE 22
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	0,55 - 0,74	0,65 - 0,87
Input voltages Y ¹⁾	V	345 ... 415	380 ... 480
Current Y	A	1,44	1,39
Input voltages D ¹⁾	V	200 ... 240	220 ... 280
Current D	A	2,49	2,41
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	1.750	2.500
	mbar	175	250
Nominal vacuum ²⁾	mmH ₂ O	1.250	1.750
	mbar	125	175
Maximum air flow	l/min	1.300	1.550
	m ³ /h	78	93
Acoustic level ^{e)}	dB (A)	63	64
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	9	
Weight	kg	29	
Packing weight	kg	39	
Dimensions - L x W x H	mm	420 x 390 x 820	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	40	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
Surface area	cm ² - m ²	2.300 - 0,23
Diameter	mm	280
Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Not available
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	12.000 - 1,2
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV0528M.F022B	0,55 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R
KV0528M.F022B-60Hz	0,65 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
100	Single phase vacuum unit with capacitor	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV1028M.F022B



ATEX ZONE 22
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,47	1,3 - 1,74
Input voltages Y ¹⁾	V	345 ... 415	380 ... 480
Current Y	A	2,62 ... 2,37	2,80 ... 2,36
Input voltages D ¹⁾	V	200 ... 240	220 ... 280
Current D	A	4,1	4,1
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE2	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	2.500	3.200
	mbar	250	320
Nominal vacuum ²⁾	mmH ₂ O	2.000	1.750
	mbar	200	175
Maximum air flow	l/min	2.400	2.900
	m ³ /h	144	174
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	9	
Weight	kg	40	
Packing weight	kg	50	
Dimensions - L x W x H	mm	420 x 390 x 820	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	40	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
Surface area	cm ² - m ²	2.300 - 0,23
Diameter	mm	280
Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Not available
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	12.000 - 1,2
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV1028M.F022B	1,1 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R
KV1028M.F022B-60Hz	1,3 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
100	Single phase vacuum unit with capacitor	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV1036M.F022B



ATEX ZONE 22
NO CONDUCTIVE DUST





GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,47	1,3 - 1,74
Input voltages Y ¹⁾	V	345 ... 415	380 ... 480
Current Y	A	2,62 ... 2,37	2,80 ... 2,36
Input voltages D ¹⁾	V	200 ... 240	220 ... 280
Current D	A	4,1	4,1
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE2	
ATEX Mark ^{d)}		II3D - Ex h tc IIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	2.500	3.200
	mbar	250	320
Nominal vacuum ²⁾	mmH ₂ O	2.000	1.750
	mbar	200	175
Maximum air flow	l/min	2.400	2.900
	m ³ /h	144	174
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	40	
Packing weight	kg	50	
Dimensions - L x W x H	mm	540 x 460 x 1.240	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
	Surface area	cm ² - m ² 7.000 - 0,7
	Diameter	mm 360
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Manual filter shaker
Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ² 16.000 - 1,6
	Media	Glass fibre
	Dust Class ³⁾	H14
	Efficiency M.P.P.S. ⁴⁾	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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV1036M.F022B	1,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KV1036M.F022B-60Hz	1,3 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
100	Single phase vacuum unit with capacitor	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV1636M.F022B

3~ M Ex IP55

ATEX ZONE 22
NO CONDUCTIVE DUST





GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,5 - 2,0	1,7 - 2,3
Input voltages Y ¹⁾	V	400	460
Current Y	A	3,2	3,07
Input voltages D ¹⁾	V	230	265
Current D	A	5,54	5,32
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135° C Dc	
Maximum vacuum	mmH ₂ O	2.800	3.500
	mbar	280	350
Nominal vacuum ²⁾	mmH ₂ O	1.750	1.600
	mbar	175	160
Maximum air flow	l/min	3.833	4.633
	m ³ /h	230	278
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	59	
Packing weight	kg	74	
Dimensions - L x W x H	mm	540 x 460 x 1.240	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
	Surface area	cm ² - m ² 7.000 - 0,7
	Diameter	mm 360
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Manual filter shaker
Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ² 16.000 - 1,6
	Media	Glass fibre
	Dust Class ³⁾	H14
	Efficiency M.P.P.S. ⁴⁾	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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV1636M.F022B	1,5 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KV1636M.F022B-60Hz	1,7 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
100	Single phase vacuum unit with capacitor	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV3046M.022B



ATEX ZONE 22
NO CONDUCTIVE DUST





GENERAL FEATURES

- Overheating safety relief valve
- 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 ¹⁾	V	400	380
Current Y	A	6,5	7,4
Input voltages D ¹⁾	V	230	220
Current D	A	11,3	12,8
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	3.700
	mbar	320	370
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.400
	mbar	240	240
Maximum air flow	l/min	5.600	6.300
	m ³ /h	336	378
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	67	
Packing weight	kg	77	
Dimensions - L x W x H	mm	685 x 560 x 1.600	
Packing size - L x W x H	mm	1.140 x 730 x 1.710	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
	Surface area	cm ² - m ² 19.500 - 1,95
	Diameter	mm 460
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Manual filter shaker
Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ² 28.000 - 2,8
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV3046M.022B	3 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KV3046M.022B-60Hz	3,6 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV3046PM.022B

3~ M Ex IP55

ATEX ZONE 22
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	3,0 - 4,0	---
Input voltages Y ¹⁾	V	345 ... 415	---
Current Y	A	7,2	---
Input voltages D ¹⁾	V	200 ... 240	---
Current D	A	12,5	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIB T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	---
	mbar	320	---
Nominal vacuum ²⁾	mmH ₂ O	2.200	---
	mbar	220	---
Maximum air flow	l/min	7.183	---
	m ³ /h	431	---
Acoustic level ^{e)}	dB (A)	70	---
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	74	
Packing weight	kg	84	
Dimensions - L x W x H	mm	685 x 560 x 1.600	
Packing size - L x W x H	mm	1.140 x 730 x 1.710	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
Surface area	cm ² - m ²	19.500 - 1,95
Diameter	mm	460
Dust Class ^{f)} Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	28.000 - 2,8
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV3046PM.022B	3 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
...	...	---

OUTFITS

		£
001	AISI 304 stainless steel dust bin	R
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

 **SILVER LINE**

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

KMS1M.9006.022



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
Power	kW - HP	1,1 - 1,47
Input voltages ¹⁾	V	230
Current	A	10
Electric protection ^{a)}		IP6X
Default factory setting	V Hz	230 50/60
Electrical cable:		
type		3G1,5 H07RN-F
length	m	9
plug		Not supplied
Insulation class ^{b)}		F
ATEX Mark ^{c)}		IIBD - Ex h fc IICT 100°C Dc
Maximum vacuum	mmH ₂ O	2.350
	mbar	235
Maximum air flow	l/min	3.733
	m ³ /h	224
Acoustic level ^{d)}	dB (A)	72
Environmental working temperature	°C	5 ÷ 40
Dust bin capacity		
total	l	35
useful	l	5
Wheels material		Rubber
Weight	kg	22
Packing weight	kg	32
Dimensions - L x W x H	mm	456 x 429 x 755
Standard packing size - L x W x H	mm	820 x 550 x 1.630
Diameters:		
material inlet	mm	40
wheels	mm	50

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	3.200 - 0,32
	Diameter	mm	360
	Dust Class ^{e)} Media ²⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ²	16.000 - 1,6
	Media		Glass Fibre
	Dust Class ^{f)}		H14
	Efficiency M.P.P.S. ^{f) 3)}		99,995%

DUST COLLECTION SYSTEM

	Type	Dust bag
	Material	Paper
	Capacity	l

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

Notes:

¹⁾ Other input voltages upon request

²⁾ PTFE coated antistatic star filter available upon request

³⁾ With 0,18 µm particles

⁴⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

KMS1M.9006.022	1,1 kW, 5 l capacity, grey RAL 9006 painted, 360 mm diameter single phase industrial vacuum cleaner	£
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OUTFITS

002	AISI 304 stainless steel dust bin and filtering chamber	I
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁴⁾	R
003	AISI 304 stainless steel completely made	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁴⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R

KM1M.9006.022



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



FILTRATION DATA

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

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

Notes:

¹⁾ Other input voltages upon request

²⁾ PTFE coated antistatic star filter available upon request

³⁾ With 0,18 µm particles

⁴⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

	r
KM1M.9006.022 1,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter single phase industrial vacuum cleaner	R

OUTFITS

	£
001 AISI 304 stainless steel dust bin	I
001P AISI 316L stainless steel dust bin - Pharma finishing ⁴⁾	R
002 AISI 304 stainless steel dust bin and filtering chamber	R
002P AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁴⁾	R
003 AISI 304 stainless steel completely made	R
003P AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁴⁾	R
005 Upstream absolute filter (HEPA) with M dust class primary filter	R
066 Bin overfilling machine switch off	R
603 Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KM1M.9006.386



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
Power	kW - HP	1,1 - 1,47
Input voltages ¹⁾	V	230
Current	A	10
Electric protection ^{a)}		IP6X
Default factory setting	V Hz	230 50/60
Electrical cable:		
type		3G1,5 H07RN-F
length	m	9
plug		Not supplied
Insulation class ^{b)}		F
ATEX Mark ^{c)}		
Maximum vacuum	mmH ₂ O	2.350
	mbar	235
Maximum air flow	l/min	3.733
	m ³ /h	224
Acoustic level ^{d)}	dB (A)	69
Environmental working temperature	°C	5 ÷ 40
Wheels material		Rubber
Weight	kg	53
Packing weight	kg	73
Dimensions - L x W x H	mm	572 x 502 x 1.392
Standard packing size - L x W x H	mm	820 x 550 x 1.630
Diameters:		
material inlet	mm	50
wheels	mm	100 - 150

FILTRATION DATA

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

DUST COLLECTION SYSTEM

	• Type	EBCS ⁴⁾
	• Bag length (4 units) Diameter	20 360
	• Material	3-layer coextruded polyethylene (PE)
	• Thickness	64

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

Notes:

¹⁾ Other input voltages upon request

²⁾ PTFE coated antistatic star filter available upon request

³⁾ With 0,18 µm particles

⁴⁾ EBCS (Endless Bag Collecting System)

⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

KM1M.9006.386	1,1 kW, grey RAL 9006 painted, 360 mm diameter single phase industrial vacuum cleaner with EBCS	£	R
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OUTFITS

002	AISI 304 stainless steel dust bin and filtering chamber	£	R
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾		R
003	AISI 304 stainless steel completely made		R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾		R
005	Upstream absolute filter (HEPA) with M dust class primary filter		R



SILVER LINE

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

KF10M.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
Power	kW - HP	1,1 - 1,5	1,27 - 1,7
Input voltages Y ¹⁾	V	660 ... 725	380 ... 420
Current Y	A	1,3	2,25
Input voltages D ¹⁾	V	400	440 ... 480
Current D	A	2,25	2,25
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	68	69
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Wheels material		Rubber	
Weight	kg	85	
Packing weight	kg	100	
Dimensions - L x W x H	mm	690 x 465 x 1.475	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter	
	Surface area	cm ² - m ² 7.000 - 0,7
	Diameter	mm 360
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Upstream absolute filter - Variant 005	
	Surface area	cm ² - m ² 16.000 - 1,6
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	99,995%
	Downstream absolute filter - Variant 045	
	Surface area	cm ² - m ² 55.000 - 5,5
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF10M.022	1,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KF10M.022-60Hz	1,27 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	R
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF16M.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
Power	kW - HP	2,2 - 2,9	2,55 - 3,4
Input voltages Y ¹⁾	V	380 ... 420	440 ... 480
Current Y	A	4,2	4,2
Input voltages D ¹⁾	V	220 ... 240	---
Current D	A	7,3	---
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.600	3.400
	mbar	260	340
Nominal vacuum ²⁾	mmH ₂ O	2.200	2.400
	mbar	220	240
Maximum air flow	l/min	3.683	4.417
	m ³ /h	221	265
Acoustic level ^{e)}	dB (A)	64	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Wheels material		Rubber	
Weight	kg	98	
Packing weight	kg	113	
Dimensions - L x W x H	mm	690 x 465 x 1.475	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter	
	Surface area	cm ² - m ² 7.000 - 0,7
	Diameter	mm 360
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Upstream absolute filter - Variant 005	
	Surface area	cm ² - m ² 16.000 - 1,6
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	99,995%
	Downstream absolute filter - Variant 045	
	Surface area	cm ² - m ² 55.000 - 5,5
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF16M.022	2,2 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KF16M.022-60Hz	2,55 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	R
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF30M.022

3~ **M** **Ex** **IP65**

ATEX ZONE 22
IN PRESENCE OF CONDUCTIVE DUST




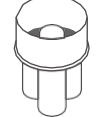

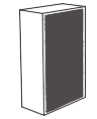
GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	2,6 - 3,5	3,1 - 4,2
Input voltages Y ¹⁾	V	400	380
Current Y	A	6	6,5
Input voltages D ¹⁾	V	230	220
Current D	A	10,4	11,3
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	3.700
	mbar	320	370
Nominal vacuum ²⁾	mmH ₂ O	2.300	2.200
	mbar	230	220
Maximum air flow	l/min	5.600	6.300
	m ³ /h	336	378
Acoustic level ^{e)}	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	50	
Wheels material		Rubber	
Weight	kg	116	
Packing weight	kg	131	
Dimensions - L x W x H (H .005 H .008)	mm	775 x 585 x 1.705 (1.905)	
Packing size - L x W x H (H .005 H .008)	mm	870 x 670 x 1.860 (2.015)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	56.400 - 5,64 460
	Dust Class ^{f)} 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 ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ⁴⁾		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ⁴⁾		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:

¹⁾ Other input voltages upon request

²⁾ Maximum vacuum in continuous run

³⁾ Other materials available according to the material to be vacuumed

⁴⁾ With 0,18 µm particles

⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF30M.022	2,6 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KF30M.022-60Hz	3,1 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	R
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁵⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF30PM.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
Power	kW - HP	4,0 - 5,4	4,6 - 6,1
Input voltages Y ¹⁾	V	380 ... 420	220 ... 240
Current Y	A	7,4	12,8
Input voltages D ¹⁾	V	440 ... 480	---
Current D	A	7,2	---
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 125°C Dc	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.600
	mbar	240	260
Maximum air flow	l/min	7.183	8.750
	m ³ /h	431	525
Acoustic level ^{e)}	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	50	
Wheels material		Rubber	
Weight	kg	138	
Packing weight	kg	153	
Dimensions - L x W x H (H .005 H .008)	mm	775 x 585 x 1.705 (1.905)	
Packing size - L x W x H (H .005 H .008)	mm	870 x 670 x 1.860 (2.015)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	56.400 - 5,64 460
	Dust Class ^{f)} 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 ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		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:

¹⁾ Other input voltages upon request

²⁾ Maximum vacuum in continuous run

³⁾ Other materials available according to the material to be vacuumed

⁴⁾ With 0,18 µm particles

⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF30PM.022	4 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KF30PM.022-60Hz	4,6 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	R
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁵⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF30M.386



**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	2,6 - 3,5	3,1 - 4,2
Input voltages Y ¹⁾	V	400	380
Current Y	A	6	6,5
Input voltages D ¹⁾	V	230	220
Current D	A	10,4	11,3
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	3.700
	mbar	320	370
Nominal vacuum ²⁾	mmH ₂ O	2.300	2.200
	mbar	230	220
Maximum air flow	l/min	5.600	6.300
	m ³ /h	336	378
Acoustic level ^{e)}	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Wheels material		Rubber	
Weight	kg	105	
Packing weight	kg	115	
Dimensions - L x W x H (H .005 H .008)	mm	775 x 585 x 2.063 (2.263)	
Packing size - L x W x H (H .005 H .008)	mm	870 x 670 x 2.173 (2.373)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	56.400 - 5,64 460
	Dust Class ¹⁾ 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 ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ¹⁾		H14
	Efficiency M.P.P.S. ⁴⁾		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ¹⁾		H14
	Efficiency M.P.P.S. ⁴⁾		99,995%

DUST COLLECTION SYSTEM

	Type		EBCS ⁵⁾
	Bag length (4 units) Diameter	m mm	20 360
	Material		3-layer coextruded polyethylene (PE)
	Thickness	µm	64

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

Notes:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ EBCS (Endless Bag Collecting System)
- ⁶⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF30M.386	2,6 kW, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KF30M.386-60Hz	3,1 kW, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
002	AISI 304 stainless steel filtering chamber	R
002P	AISI 316L stainless steel filtering chamber - Pharma finishing ⁶⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁶⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁶⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R

KF30PM.386

3~ M Ex IP65

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




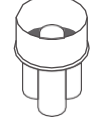

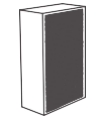
GENERAL FEATURES

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


TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	4,0 - 5,4	4,6 - 6,1
Input voltages Y ¹⁾	V	380 ... 420	220 ... 240
Current Y	A	7,4	12,8
Input voltages D ¹⁾	V	440 ... 480	---
Current D	A	7,2	---
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 125°C Dc	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.600
	mbar	240	260
Maximum air flow	l/min	7.183	8.750
	m ³ /h	431	525
Acoustic level ^{e)}	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Wheels material		Rubber	
Weight	kg	81	
Packing weight	kg	91	
Dimensions - L x W x H (H .005 H .008)	mm	775 x 585 x 2.063 (2.263)	
Packing size - L x W x H (H .005 H .008)	mm	870 x 670 x 2.173 (2.373)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	56.400 - 5,64 460
	Dust Class ¹⁾ 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 ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ¹⁾		H14
	Efficiency M.P.P.S. ⁴⁾		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ¹⁾		H14
	Efficiency M.P.P.S. ⁴⁾		99,995%

DUST COLLECTION SYSTEM

	Type		EBCS ⁴⁾
	Bag length (4 units) Diameter	m mm	20 360
	Material		3-layer coextruded polyethylene (PE)
	Thickness	µm	64

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

Notes:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ EBCS (Endless Bag Collecting System)
- ⁶⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF30PM.386	4 kW, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KF30PM.386-60Hz	4,6 kW, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
002	AISI 304 stainless steel filtering chamber	R
002P	AISI 316L stainless steel filtering chamber - Pharma finishing ⁶⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁶⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁶⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R

K5P/56M.9006.022

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

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	35.000 - 3,5
	Diameter	mm	560
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	94.800 - 9,48 560
	Dust Class ^{f)} 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 ² - m ²	52.000 - 5,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		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:

¹⁾ Other input voltages upon request

²⁾ Maximum vacuum in continuous run

³⁾ Other materials available according to the material to be vacuumed

⁴⁾ With 0,18 µm particles

⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
K5P/56M.9006.022	5,2 kW, 90 l capacity, grey RAL 9006 painted, 560 mm diameter three phase industrial vacuum cleaner	R
K5P/56M.9006.022-60Hz	6,3 kW, 90 l capacity, grey RAL 9006 painted, 560 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	R
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
005SS	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
005P	Upstream absolute filter (HEPA) with M dust class primary filter - version AISI 316 stainless steel - Pharma finishing ⁵⁾	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁵⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KH1028M.022



ATEX ZONE 22
IN PRESENCE OF CONDUCTIVE DUST

GENERAL FEATURES

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



TECHNICAL DATA		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,5	1,27 - 1,7
Input voltages Y ¹⁾	V	660 ... 725	380 ... 420
Current Y	A	1,3	2,25
Input voltages D ¹⁾	V	400	440 ... 480
Current D	A	2,25	2,25
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	9	
Weight	kg	35	
Packing weight	kg	45	
Dimensions - L x W x H	mm	650 x 350 x 480	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	40	
air exhaust	mm	---	

FILTRATION DATA

	Default primary bag filter		
	Surface area	cm ² - m ²	2.300 - 0,23
	Diameter	mm	280
	Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Not available	
	Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ²	12.000 - 1,2
	Media		Glass fibre
	Dust Class ³⁾		H14
	Efficiency M.P.P.S. ⁴⁾		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH1028M.022	1,1 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R
KH1028M.022-60Hz	1,27 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
435	Silencer for painted version	R
961	Chassis with wheels	R
SILINOX	Silencer for stainless steel versions	R

KH1036M.022

3~ M Ex IP65

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



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,5	1,27 - 1,7
Input voltages Y ¹⁾	V	660 ... 725	380 ... 420
Current Y	A	1,3	2,25
Input voltages D ¹⁾	V	400	440 ... 480
Current D	A	2,25	2,25
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	40	
Packing weight	kg	50	
Dimensions - L x W x H	mm	454 x 827 x 811	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	---	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 0,7
Diameter	mm	360
Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	16.000 - 1,6
Media		Glass fibre
Dust Class ²⁾		H14
Efficiency M.P.P.S. ^{3) 4)}		99,995%

Normatives: a) IEC60529; b) IEC600085; c) EN60704-2-1; d) EN60335-2-69; e) EN1822

Notes:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH1036M.022	1,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KH1036M.022-60Hz	1,27 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
435	Silencer for painted version	R
961	Chassis with wheels	R
SILINOX	Silencer for stainless steel versions	R

KH1636M.022

3~ M Ex IP65

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



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	2,2 - 2,9	2,55 - 3,4
Input voltages Y ¹⁾	V	380 ... 420	440 ... 480
Current Y	A	4,2	4,2
Input voltages D ¹⁾	V	220 ... 240	---
Current D	A	7,3	---
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.600	3.400
	mbar	260	340
Nominal vacuum ²⁾	mmH ₂ O	2.200	2.400
	mbar	220	240
Maximum air flow	l/min	3.683	4.417
	m ³ /h	221	265
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	54	
Packing weight	kg	64	
Dimensions - L x W x H	mm	454 x 827 x 1.219	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 0,7
Diameter	mm	360
Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	16.000 - 1,6
Media		Glass fibre
Dust Class ²⁾		H14
Efficiency M.P.P.S. ^{3) 4)}		99,995%

Normatives: a) IEC60529; b) IEC600085; c) EN60704-2-1; d) EN60335-2-69; e) EN1822

Notes:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH1636M.022	2,2 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KH1636M.022-60Hz	2,55 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KH3036M.022

3~ M Ex IP65

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



GENERAL FEATURES

- Overheating safety relief valve
- 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 ¹⁾	V	400	380
Current Y	A	6	6,5
Input voltages D ¹⁾	V	230	220
Current D	A	10,4	11,3
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	3.700
	mbar	320	370
Nominal vacuum ²⁾	mmH ₂ O	2.300	2.200
	mbar	230	220
Maximum air flow	l/min	5.600	6.300
	m ³ /h	336	378
Acoustic level ^{e)}	dB (A)	71	72
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	68	
Packing weight	kg	78	
Dimensions - L x W x H	mm	454 x 827 x 1.219	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 0,7
Diameter	mm	360
Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	27.000 - 2,7
Media		Glass fibre
Dust Class ³⁾		H14
Efficiency M.P.P.S. ⁴⁾		99,995%

Normatives: a) IEC60529; b) IEC60085; c) EN60704-2-1; d) EN60335-2-69; e) EN1822

Notes:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH3036M.022	2,6 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KH3036M.022-60Hz	3,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KH3046M.022

3~ M Ex IP65

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



GENERAL FEATURES

- Overheating safety relief valve
- 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 ¹⁾	V	400	380
Current Y	A	6	6,5
Input voltages D ¹⁾	V	230	220
Current D	A	10,4	11,3
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	3.700
	mbar	320	370
Nominal vacuum ²⁾	mmH ₂ O	2.300	2.200
	mbar	230	220
Maximum air flow	l/min	5.600	6.300
	m ³ /h	336	378
Acoustic level ^{e)}	dB (A)	71	72
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	56	
Packing weight	kg	66	
Dimensions - L x W x H	mm	929 x 563 x 1.219	
Packing size - L x W x H	mm	1.140 x 730 x 1.610	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
Surface area	cm ² - m ²	19.500 - 1,95
Diameter	mm	460
Dust Class ^{f)} Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	28.000 - 2,8
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH3046M.022	2,6 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KH3046M.022-60Hz	3,1 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KH3046PM.022

3~ M Ex IP65

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



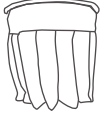

GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	4,0 - 5,4	4,6 - 6,1
Input voltages Y ¹⁾	V	380 ... 420	220 ... 240
Current Y	A	7,4	12,8
Input voltages D ¹⁾	V	440 ... 480	---
Current D	A	7,2	---
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 125°C Dc	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.600
	mbar	240	260
Maximum air flow	l/min	7.183	8.750
	m ³ /h	431	525
Acoustic level ^{e)}	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	80	
Packing weight	kg	90	
Dimensions - L x W x H	mm	929 x 563 x 1.219	
Packing size - L x W x H	mm	1.140 x 730 x 1.610	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
	Surface area	cm ² - m ² 19.500 - 1,95
	Diameter	mm 460
	Dust Class ^{f)} Media ³⁾	M Antistatic polyester
	Filter cleaning	Manual filter shaker
Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ² 28.000 - 2,8
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH3046PM.022	4 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KH3046PM.022-60Hz	4,6 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV1028M.022

3~ **M** **Ex** **IP65**

ATEX ZONE 22
IN PRESENCE OF CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,5	1,27 - 1,7
Input voltages Y ¹⁾	V	660 ... 725	380 ... 420
Current Y	A	1,3	2,25
Input voltages D ¹⁾	V	400	440 ... 480
Current D	A	2,25	2,25
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	9	
Weight	kg	40	
Packing weight	kg	50	
Dimensions - L x W x H	mm	420 x 390 x 820	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	40	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
Surface area	cm ² - m ²	2.300 - 0,23
Diameter	mm	280
Dust Class ^{f)} Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	12.000 - 1,2
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV1028M.022	1,1 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R
KV1028M.022-60Hz	1,27 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV1036M.022

3~ M Ex IP65

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



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,5	1,27 - 1,7
Input voltages Y ¹⁾	V	660 ... 725	380 ... 420
Current Y	A	1,3	2,25
Input voltages D ¹⁾	V	400	440 ... 480
Current D	A	2,25	2,25
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	40	
Packing weight	kg	50	
Dimensions - L x W x H	mm	540 x 460 x 1.240	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 0,7
Diameter	mm	360
Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	16.000 - 1,6
Media		Glass fibre
Dust Class ³⁾		H14
Efficiency M.P.P.S. ⁴⁾		99,995%

Normatives: a) IEC60529; b) IEC600085; c) EN60704-2-1; d) EN60335-2-69; e) EN1822

Notes:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV1036M.022	1,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KV1036M.022-60Hz	1,27 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV1636M.022

3~ M Ex IP65

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



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	2,2 - 2,9	2,55 - 3,4
Input voltages Y ¹⁾	V	380 ... 420	440 ... 480
Current Y	A	4,2	4,2
Input voltages D ¹⁾	V	220 ... 240	---
Current D	A	7,3	---
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.600	3.400
	mbar	260	340
Nominal vacuum ²⁾	mmH ₂ O	2.200	2.400
	mbar	220	240
Maximum air flow	l/min	3.683	4.417
	m ³ /h	221	265
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	59	
Packing weight	kg	69	
Dimensions - L x W x H	mm	540 x 460 x 1.240	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 0,7
Diameter	mm	360
Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	16.000 - 1,6
Media		Glass fibre
Dust Class ³⁾		H14
Efficiency M.P.P.S. ⁴⁾		99,995%

Normatives: a) IEC60529; b) IEC600085; c) EN60704-2-1; d) EN60335-2-69; e) EN1822

Notes:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV1636M.022	2,2 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KV1636M.022-60Hz	2,55 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV3046M.022

3~ M Ex IP65

ATEX ZONE 22
IN PRESENCE OF CONDUCTIVE DUST





GENERAL FEATURES

- Overheating safety relief valve
- 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 ¹⁾	V	400	380
Current Y	A	6	6,5
Input voltages D ¹⁾	V	230	220
Current D	A	10,4	11,3
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE1	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 135°C Dc	
Maximum vacuum	mmH ₂ O	3.200	3.700
	mbar	320	370
Nominal vacuum ²⁾	mmH ₂ O	2.300	2.200
	mbar	230	220
Maximum air flow	l/min	5.600	6.300
	m ³ /h	336	378
Acoustic level ^{e)}	dB (A)	71	72
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	67	
Packing weight	kg	77	
Dimensions - L x W x H	mm	685 x 560 x 1.600	
Packing size - L x W x H	mm	1.140 x 730 x 1.710	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
	Surface area	cm ² - m ² 19.500 - 1,95
	Diameter	mm 460
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Manual filter shaker
Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ² 28.000 - 2,8
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV3046M.022	2,6 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KV3046M.022-60Hz	3,1 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV3046PM.022

3~ M Ex IP65

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





GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	4,0 - 5,4	4,6 - 6,1
Input voltages Y ¹⁾	V	380 ... 420	220 ... 240
Current Y	A	7,4	12,8
Input voltages D ¹⁾	V	440 ... 480	---
Current D	A	7,2	---
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6 m	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3D - Ex h tc IIIC T 125°C Dc	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.600
	mbar	240	260
Maximum air flow	l/min	7.183	8.750
	m ³ /h	431	525
Acoustic level ^{e)}	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	74	
Packing weight	kg	84	
Dimensions - L x W x H	mm	685 x 560 x 1.600	
Packing size - L x W x H	mm	1.140 x 730 x 1.710	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
	Surface area	cm ² - m ² 19.500 - 1,95
	Diameter	mm 460
	Dust Class ^{f)} Media ³⁾	M Antistatic polyester
	Filter cleaning	Manual filter shaker
Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ² 28.000 - 2,8
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV3046PM.022	4 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KV3046PM.022-60Hz	4,6 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R



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SILVER LINE

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

KF10M.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
Power	kW - HP	1,1 - 1,5	1,27 - 1,7
Input voltages Y ¹⁾	V	660 ... 725	380 ... 420
Current Y	A	1,3	2,25
Input voltages D ¹⁾	V	400	440 ... 480
Current D	A	2,25	2,25
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h fb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	68	69
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Wheels material		Rubber	
Weight	kg	85	
Packing weight	kg	100	
Dimensions - L x W x H	mm	690 x 465 x 1.475	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter	
	Surface area	cm ² - m ² 7.000 - 0,7
	Diameter	mm 360
	Dust Class ^{f)} Media ³⁾	M Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Upstream absolute filter - Variant 005	
	Surface area	cm ² - m ² 16.000 - 1,6
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	99,995%
	Downstream absolute filter - Variant 045	
	Surface area	cm ² - m ² 55.000 - 5,5
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF10M.021	1,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KF10M.021-60Hz	1,27 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	I
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
076	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF16M.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
Power	kW - HP	2,2 - 2,9	2,55 - 3,4
Input voltages Y ¹⁾	V	380 ... 420	440 ... 480
Current Y	A	4,2	4,2
Input voltages D ¹⁾	V	220 ... 240	---
Current D	A	7,3	---
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h fb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	2.600	3.400
	mbar	260	340
Nominal vacuum ²⁾	mmH ₂ O	2.200	2.400
	mbar	220	240
Maximum air flow	l/min	3.683	4.417
	m ³ /h	221	265
Acoustic level ^{e)}	dB (A)	64	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Wheels material		Rubber	
Weight	kg	98	
Packing weight	kg	113	
Dimensions - L x W x H	mm	690 x 465 x 1.475	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter	
	Surface area	cm ² - m ² 7.000 - 0,7
	Diameter	mm 360
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Upstream absolute filter - Variant 005	
	Surface area	cm ² - m ² 16.000 - 1,6
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	99,995%
	Downstream absolute filter - Variant 045	
	Surface area	cm ² - m ² 55.000 - 5,5
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF16M.021	2,2 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KF16M.021-60Hz	2,55 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	I
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
076	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF30M.021



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
Power	kW - HP	4,0 - 5,4	4,55 - 6,1
Input voltages Y ¹⁾	V	690	---
Current Y	A	4,7	---
Input voltages D ¹⁾	V	400	460
Current D	A	8,1	7,9
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h fb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.600	2.900
	mbar	260	290
Maximum air flow	l/min	5.683	6.567
	m ³ /h	341	394
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	50	
Wheels material		Rubber	
Weight	kg	141	
Packing weight	kg	156	
Dimensions - L x W x H (H .005 H .008)	mm	775 x 585 x 1.705 (1.905)	
Packing size - L x W x H (H .005 H .008)	mm	870 x 670 x 1.860 (2.015)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	56.400 - 5,64 460
	Dust Class ^{f)} 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 ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{f) 4)}		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		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:

¹⁾ Other input voltages upon request

²⁾ Maximum vacuum in continuous run

³⁾ Other materials available according to the material to be vacuumed

⁴⁾ With 0,18 µm particles

⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF30M.021	4 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KF30M.021-60Hz	4,55 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	I
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁵⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
076	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF30PM.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
Power	kW - HP	4,0 - 5,4	4,6 - 6,1
Input voltages Y ¹⁾	V	380 ... 420	220 ... 240
Current Y	A	7,4	12,8
Input voltages D ¹⁾	V	440 ... 480	---
Current D	A	7,2	---
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h fb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.600
	mbar	240	260
Maximum air flow	l/min	7.183	8.750
	m ³ /h	431	525
Acoustic level ^{e)}	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	50	
Wheels material		Rubber	
Weight	kg	165	
Packing weight	kg	180	
Dimensions - L x W x H (H .005 H .008)	mm	775 x 585 x 1.705 (1.905)	
Packing size - L x W x H (H .005 H .008)	mm	870 x 670 x 1.860 (2.015)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	56.400 - 5,64 460
	Dust Class ^{f)} 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 ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{f) 4)}		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF30PM.021	4 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KF30PM.021-60Hz	4,6 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	I
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁵⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
076	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

K5P/56M.9006.021

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

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	35.000 - 3,5
	Diameter	mm	560
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant 008		
	Surface area Diameter	cm ² - m ² mm	94.800 - 9,48 560
	Dust Class ^{f)} 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 ² - m ²	52.000 - 5,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		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:

¹⁾ Other input voltages upon request

²⁾ Maximum vacuum in continuous run

³⁾ Other materials available according to the material to be vacuumed

⁴⁾ With 0,18 µm particles

⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
K5P/56M.9006.021	7,5 kW, 90 l capacity, grey RAL 9006 painted, 560 mm diameter three phase industrial vacuum cleaner	R
K5P/56M.9006.021-60Hz	8,6 kW, 90 l capacity, grey RAL 9006 painted, 560 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	I
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
005SS	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
005P	Upstream absolute filter (HEPA) with M dust class primary filter - version AISI 316 stainless steel - Pharma finishing ⁵⁾	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁵⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
076	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KH1028M.021



ATEX ZONE 21



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,5	1,27 - 1,7
Input voltages Y ¹⁾	V	660 ... 725	---
Current Y	A	1,3	---
Input voltages D ¹⁾	V	380 ... 420	440 ... 480
Current D	A	2,25	2,25
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h fb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	9	
Weight	kg	35	
Packing weight	kg	45	
Dimensions - L x W x H	mm	650 x 350 x 480	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	40	
air exhaust	mm	---	

FILTRATION DATA

	Default primary bag filter		
	Surface area	cm ² - m ²	2.300 - 0,23
	Diameter	mm	280
	Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Not available	
	Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ²	12.000 - 1,2
	Media		Glass fibre
	Dust Class ²⁾		H14
	Efficiency M.P.P.S. ^{3) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH1028M.021	1,1 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R
KH1028M.021-60Hz	1,27 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ²⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
435	Silencer for painted version	R
961	Chassis with wheels	R
SILINOX	Silencer for stainless steel versions	R

KH1036M.021

3~ M Ex IP65
ATEX ZONE 21



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,5	1,27 - 1,7
Input voltages Y ¹⁾	V	660 ... 725	---
Current Y	A	1,3	---
Input voltages D ¹⁾	V	380 ... 420	440 ... 480
Current D	A	2,25	2,25
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h tb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	40	
Packing weight	kg	50	
Dimensions - L x W x H	mm	454 x 827 x 811	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	---	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 7
Diameter	mm	360
Dust Class ^{f)} Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	16.000 - 1,6
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH1036M.021	1,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KH1036M.021-60Hz	1,27 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
435	Silencer for painted version	R
961	Chassis with wheels	R
SILINOX	Silencer for stainless steel versions	R

KH1636M.021

3~ M Ex IP65
ATEX ZONE 21



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	2,2 - 2,9	2,55 - 3,4
Input voltages Y ¹⁾	V	380 ... 420	440 ... 480
Current Y	A	4,2	4,2
Input voltages D ¹⁾	V	220 ... 240	---
Current D	A	7,3	---
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h tb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	2.600	3.400
	mbar	260	340
Nominal vacuum ²⁾	mmH ₂ O	2.200	2.400
	mbar	220	240
Maximum air flow	l/min	3.683	4.417
	m ³ /h	221	265
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	54	
Packing weight	kg	64	
Dimensions - L x W x H	mm	454 x 827 x 1.219	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 7
Diameter	mm	360
Dust Class ^{f)} Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	16.000 - 1,6
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g)}		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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH1636M.021	2,2 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KH1636M.021-60Hz	2,55 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
435	Silencer for painted version	I
961	Chassis with wheels	R
SILINOX	Silencer for stainless steel versions	I

KH3036M.021

3~ M Ex IP65

ATEX ZONE 21



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	4,0 - 5,4	4,55 - 6,1
Input voltages Y ¹⁾	V	690	---
Current Y	A	4,7	---
Input voltages D ¹⁾	V	400	460
Current D	A	8,1	7,9
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h tb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.600	2.900
	mbar	260	290
Maximum air flow	l/min	5.683	6.567
	m ³ /h	341	394
Acoustic level ^{e)}	dB (A)	71	72
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	68	
Packing weight	kg	78	
Dimensions - L x W x H	mm	454 x 827 x 1.219	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 7
Diameter	mm	360
Dust Class ^{f)} Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	27.000 - 2,7
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH3036M.021	4 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KH3036M.021-60Hz	4,55 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
435	Silencer for painted version	I
961	Chassis with wheels	R
SILINOX	Silencer for stainless steel versions	I

KH3046M.021

3~ M Ex IP65
ATEX ZONE 21



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	4,0 - 5,4	4,55 - 6,1
Input voltages Y ¹⁾	V	690	---
Current Y	A	4,7	---
Input voltages D ¹⁾	V	400	460
Current D	A	8,1	7,9
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h tb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.600	2.900
	mbar	260	290
Maximum air flow	l/min	5.683	6.567
	m ³ /h	341	394
Acoustic level ³⁾	dB (A)	71	72
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	81	
Packing weight	kg	91	
Dimensions - L x W x H	mm	929 x 563 x 1.219	
Packing size - L x W x H	mm	1.140 x 730 x 1.610	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter			
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
	Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005			
	Surface area	cm ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ³⁾		H14
	Efficiency M.P.P.S. ^{3) 4)}		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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH3046M.021	4 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KH3046M.021-60Hz	4,55 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KH3046PM.021

3~ M Ex IP65
ATEX ZONE 21



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	4,0 - 5,4	4,6 - 6,1
Input voltages Y ¹⁾	V	380 ... 420	220 ... 240
Current Y	A	7,4	12,8
Input voltages D ¹⁾	V	440 ... 480	---
Current D	A	7,2	---
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h tb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.600
	mbar	240	260
Maximum air flow	l/min	7.183	8.750
	m ³ /h	431	525
Acoustic level ³⁾	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	105	
Packing weight	kg	115	
Dimensions - L x W x H	mm	929 x 563 x 1.219	
Packing size - L x W x H	mm	1.140 x 730 x 1.610	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter			
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
	Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005			
	Surface area	cm ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ³⁾		H14
	Efficiency M.P.P.S. ^{3) 4)}		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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH3046PM.021	4 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KH3046PM.021-60Hz	4,6 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV1028M.021



ATEX ZONE 21



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,5	1,27 - 1,7
Input voltages Y ¹⁾	V	660 ... 725	...
Current Y	A	1,3	...
Input voltages D ¹⁾	V	380 ... 420	440 ... 480
Current D	A	2,25	2,25
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m		
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h fb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	9	
Weight	kg	40	
Packing weight	kg	50	
Dimensions - L x W x H	mm	420 x 390 x 820	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	40	
air exhaust	mm	80	

FILTRATION DATA

	Default primary bag filter	
	Surface area	cm ² - m ² 2.300 - 0,23
	Diameter	mm 280
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Not available
	Upstream absolute filter - Variant 005	
	Surface area	cm ² - m ² 12.000 - 1,2
	Media	Glass fibre
	Dust Class ²⁾	H14
	Efficiency M.P.P.S. ^{3) 4)}	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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV1028M.021	kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R
KV1028M.021-60Hz	kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV1036M.021

3~ M Ex IP65
ATEX ZONE 21



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,5	1,27 - 1,7
Input voltages Y ¹⁾	V	660 ... 725	---
Current Y	A	1,3	---
Input voltages D ¹⁾	V	380 ... 420	440 ... 480
Current D	A	2,25	2,25
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h tb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	40	
Packing weight	kg	50	
Dimensions - L x W x H	mm	540 x 460 x 1.240	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 7
Diameter	mm	360
Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	16.000 - 1,6
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV1036M.021	1,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KV1036M.021-60Hz	1,27 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV1636M.021

3~ M Ex IP65
ATEX ZONE 21



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	2,2 - 2,9	2,55 - 3,4
Input voltages Y ¹⁾	V	380 ... 420	440 ... 480
Current Y	A	4,2	4,2
Input voltages D ¹⁾	V	220 ... 240	---
Current D	A	7,3	---
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h tb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	2.600	3.400
	mbar	260	340
Nominal vacuum ²⁾	mmH ₂ O	2.200	2.400
	mbar	220	240
Maximum air flow	l/min	3.683	4.417
	m ³ /h	221	265
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	59	
Packing weight	kg	69	
Dimensions - L x W x H	mm	540 x 460 x 1.240	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 7
Diameter	mm	360
Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	16.000 - 1,6
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV1636M.021	kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KV1636M.021-60Hz	kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV3046M.021

3~ M Ex IP65
ATEX ZONE 21



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	4,0 - 5,4	4,55 - 6,1
Input voltages Y ¹⁾	V	690	---
Current Y	A	4,7	---
Input voltages D ¹⁾	V	400	460
Current D	A	8,1	7,9
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m		
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h tb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.600	2.900
	mbar	260	290
Maximum air flow	l/min	5.683	6.567
	m ³ /h	341	394
Acoustic level ³⁾	dB (A)	71	72
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	67	
Packing weight	kg	77	
Dimensions - L x W x H	mm	685 x 560 x 1.600	
Packing size - L x W x H	mm	1.140 x 730 x 1.710	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter			
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
	Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005			
	Surface area	cm ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ³⁾		H14
	Efficiency M.P.P.S. ^{3) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV3046M.021	4 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KV3046M.021-60Hz	4,55 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV3046PM.021



ATEX ZONE 21





GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	4,0 - 5,4	4,6 - 6,1
Input voltages Y ¹⁾	V	380 ... 420	220 ... 240
Current Y	A	7,4	12,8
Input voltages D ¹⁾	V	440 ... 480	---
Current D	A	7,2	---
Electric protection ^{a)}		IP65	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II2D - Ex h tb IIIC T 125°C Db	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.600
	mbar	240	260
Maximum air flow	l/min	7.183	8.750
	m ³ /h	431	525
Acoustic level ³⁾	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	74	
Packing weight	kg	84	
Dimensions - L x W x H	mm	685 x 560 x 1.600	
Packing size - L x W x H	mm	1.140 x 730 x 1.710	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
	Surface area	cm ² - m ² 19.500 - 1,95
	Diameter	mm 460
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Manual filter shaker
Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ² 28.000 - 2,8
	Media	Glass fibre
	Dust Class ³⁾	H14
	Efficiency M.P.P.S. ^{3) 4)}	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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV3046PM.021	4 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KV3046PM.021-60Hz	4,6 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ¹⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R



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SILVER LINE

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

KF10M.Z2



ATEX ZONES 22, 2
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
Power	kW - HP	1,1 - 1,47	1,27 - 1,7
Input voltages Y ¹⁾	V	400	460
Current Y	A	2,25	2,25
Input voltages D ¹⁾	V	230	---
Current D	A	---	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	68	69
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Wheels material		Rubber	
Weight	kg	85	
Packing weight	kg	100	
Dimensions - L x W x H	mm	690 x 465 x 1.475	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter	
	Surface area	cm ² - m ² 7.000 - 0,7
	Diameter	mm 360
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Upstream absolute filter - Variant 005	
	Surface area	cm ² - m ² 16.000 - 1,6
	Media	Glass fibre
	Dust Class ²⁾	H14
	Efficiency M.P.P.S. ^{3) 4)}	99,995%
	Downstream absolute filter - Variant 045	
	Surface area	cm ² - m ² 55.000 - 5,5
	Media	Glass fibre
	Dust Class ²⁾	H14
	Efficiency M.P.P.S. ^{3) 4)}	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:

- ¹⁾ Other input voltages upon request
²⁾ Maximum vacuum in continuous run
³⁾ Other materials available according to the material to be vacuumed
⁴⁾ With 0,18 µm particles
⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF10M.Z2	1,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KF10M.Z2-60Hz	1,27 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	I
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF16M.Z2



ATEX ZONES 22, 2
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
Power	kW - HP	2,2 - 2,95	2,55 - 3,42
Input voltages Y ¹⁾	V	400	460
Current Y	A	4,2	4,2
Input voltages D ¹⁾	V	230	---
Current D	A	---	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.500	3.000
	mbar	250	300
Nominal vacuum ²⁾	mmH ₂ O	2.200	2.400
	mbar	220	240
Maximum air flow	l/min	3.683	4.417
	m ³ /h	221	265
Acoustic level ^{e)}	dB (A)	64	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Wheels material		Rubber	
Weight	kg	98	
Packing weight	kg	113	
Dimensions - L x W x H	mm	690 x 465 x 1.475	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter	
	Surface area	cm ² - m ² 7.000 - 0,7
	Diameter	mm 360
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Ergonomic manual filter shaker
	Upstream absolute filter - Variant 005	
	Surface area	cm ² - m ² 16.000 - 1,6
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	99,995%
	Downstream absolute filter - Variant 045	
	Surface area	cm ² - m ² 55.000 - 5,5
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF16M.Z2	2,2 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KF16M.Z2-60Hz	2,55 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	I
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF30M.Z2



ATEX ZONES 22, 2
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
Power	kW - HP	4 - 5,4	4,55 - 6,1
Input voltages Y ¹⁾	V	690	---
Current Y	A	4,25	---
Input voltages D ¹⁾	V	400	460
Current D	A	7,4	7,2
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.600	2.700
	mbar	260	270
Maximum air flow	l/min	5.683	6.567
	m ³ /h	341	394
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	50	
Wheels material		Rubber	
Weight	kg	141	
Packing weight	kg	156	
Dimensions - L x W x H (H .005 H .008)	mm	775 x 585 x 1.705 (1.905)	
Packing size - L x W x H (H .005 H .008)	mm	870 x 670 x 1.860 (2.015)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant (.008)		
	Surface area Diameter	cm ² - m ² mm	56.400 - 5,64 460
	Dust Class ^{f)} 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 ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ⁴⁾		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ⁴⁾		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:

¹⁾ Other input voltages upon request

²⁾ Maximum vacuum in continuous run

³⁾ Other materials available according to the material to be vacuumed

⁴⁾ With 0,18 µm particles

⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF30M.Z2	4 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KF30M.Z2-60Hz	4,55 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	I
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁵⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KF30PM.Z2



ATEX ZONES 22, 2
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
Power	kW - HP	4 - 5,4	4,55 - 6,1
Input voltages Y ¹⁾	V	690	---
Current Y	A	4,25	---
Input voltages D ¹⁾	V	400	460
Current D	A	7,4	7,2
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.600
	mbar	240	260
Maximum air flow	l/min	7.183	8.750
	m ³ /h	431	525
Acoustic level ^{e)}	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	50	
Wheels material		Rubber	
Weight	kg	138	
Packing weight	kg	153	
Dimensions - L x W x H (H .005 H .008)	mm	775 x 585 x 1.705 (1.905)	
Packing size - L x W x H (H .005 H .008)	mm	870 x 670 x 1.860 (2.015)	
Diameters:			
material inlet	mm	70	
air exhaust	mm	100	
wheels: chassis	mm	100 - 150	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	19.500 - 1,95
	Diameter	mm	460
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant (.008)		
	Surface area Diameter	cm ² - m ² mm	56.400 - 5,64 460
	Dust Class ^{f)} 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 ² - m ²	28.000 - 2,8
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		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:

¹⁾ Other input voltages upon request

²⁾ Maximum vacuum in continuous run

³⁾ Other materials available according to the material to be vacuumed

⁴⁾ With 0,18 µm particles

⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KF30PM.Z2	4 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KF30PM.Z2-60Hz	4,55 kW, 50 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	I
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁵⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

K5P/56M.9006.Z2



ATEX ZONES 22, 2
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
Power	kW - HP	7,5 - 10,1	8,6 - 11,5
Input voltages Y ¹⁾	V	690	---
Current Y	A	7,3	---
Input voltages D ¹⁾	V	400	460
Current D	A	13,1	13
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	9	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	3.000	3.700
	mbar	300	370
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.600
	mbar	240	260
Maximum air flow	l/min	8.933	10.333
	m ³ /h	536	620
Acoustic level ^{e)}	dB (A)	74	78
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	90	
Wheels material		Rubber	
Weight	kg	197	
Packing weight	kg	212	
Dimensions - L x W x H (H .005 H .008)	mm	1.220 x 620 x 1.770 (1.970 - 2.070)	
Packing size - L x W x H (H .005 H .008)	mm	1.600 x 800 x 1.880 (2.080 - 2.180)	
Diameters:			
material inlet	mm	70	
wheels: chassis	mm	150 - 200	
wheels: bin	mm	60	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	35.000 - 3,5
	Diameter	mm	560
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Ergonomic manual filter shaker
	Optional primary filter - cartridges kit - Variant (.008)		
	Surface area Diameter	cm ² - m ² mm	94.800 - 9,48 560
	Dust Class ^{f)} 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 ² - m ²	52.000 - 5,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ⁴⁾		99,995%
	Downstream absolute filter - Variant 045		
	Surface area	cm ² - m ²	82.000 - 8,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ⁴⁾		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:

¹⁾ Other input voltages upon request

²⁾ Maximum vacuum in continuous run

³⁾ Other materials available according to the material to be vacuumed

⁴⁾ With 0,18 µm particles

⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
K5P/56M.9006.Z2	7,5 kW, 90 l capacity, grey RAL 9006 painted, 560 mm diameter three phase industrial vacuum cleaner	R
K5P/56M.9006.Z2-60Hz	8,6 kW, 90 l capacity, grey RAL 9006 painted, 560 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
002	AISI 304 stainless steel dust bin and filtering chamber	I
002P	AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
005SS	Upstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
005P	Upstream absolute filter (HEPA) with M dust class primary filter - version AISI 316 stainless steel - Pharma finishing ⁵⁾	R
006	Electric filter shaker with push-button	R
006A	Automatic electric filter shaker	R
007	Pneumatic filter shaker with push-button	R
007A	Automatic pneumatic filter shaker (adjustable at switch on or at switch off)	R
008	Automatic reverse jet cartridge filtering system	R
008SS	Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel	R
008P	Automatic reverse jet cartridge filtering system - version: AISI 316L stainless steel - Pharma finishing ⁵⁾	R
045	Downstream absolute filter (HEPA) with M dust class primary filter - version: painted	R
045SS	Downstream absolute filter (HEPA) with M dust class primary filter - version: AISI 304 stainless steel	R
066	Bin overfilling machine switch off	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
603	Disposal bag vacuum balance system for dust collection directly into plastic bags	R

KH1028M.Z2



ATEX ZONES 22, 2
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,47	1,27 - 1,7
Input voltages Y ¹⁾	V	400	460
Current Y	A	2,25	2,25
Input voltages D ¹⁾	V	230	---
Current D	A	---	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	9	
Weight	kg	62	
Packing weight	kg	72	
Dimensions - L x W x H	mm	650 x 350 x 480	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	40	
air exhaust	mm	---	

FILTRATION DATA

	Default primary bag filter	
	Surface area	cm ² - m ² 2.300 - 0,23
	Diameter	mm 280
	Dust Class ^{f)} Media ³⁾	M Antistatic polyester
	Filter cleaning	Not available
	Upstream absolute filter - Variant 005	
	Surface area	cm ² - m ² 12.000 - 1,2
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{f)4)}	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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH1028M.Z2	1,1 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R
KH1028M.Z2-60Hz	1,27 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
435	Silencer for painted version	R
961	Chassis with wheels	R
SILINOX	Silencer for stainless steel versions	R

KH1036M.Z2



ATEX ZONES 22, 2
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,47	1,27 - 1,7
Input voltages Y ¹⁾	V	400	460
Current Y	A	2,25	2,25
Input voltages D ¹⁾	V	230	---
Current D	A	---	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	40	
Packing weight	kg	50	
Dimensions - L x W x H	mm	454 x 827 x 811	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	---	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 7
Diameter	mm	360
Dust Class ^{f)} Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant (.005)		
Surface area	cm ² - m ²	16.000 - 1,6
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH1036M.Z2	1,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KH1036M.Z2-60Hz	1,27 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
435	Silencer for painted version	R
961	Chassis with wheels	R
SILINOX	Silencer for stainless steel versions	R

KH1636M.Z2

3~ M Ex IP55

ATEX ZONES 22, 2
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	2,2 - 2,95	2,55 - 3,42
Input voltages Y ¹⁾	V	400	460
Current Y	A	4,2	4,2
Input voltages D ¹⁾	V	230	---
Current D	A	---	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.500	3.000
	mbar	250	300
Nominal vacuum ²⁾	mmH ₂ O	2.200	2.400
	mbar	220	240
Maximum air flow	l/min	3.683	4.417
	m ³ /h	221	265
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	54	
Packing weight	kg	64	
Dimensions - L x W x H	mm	454 x 827 x 1.219	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 7
Diameter	mm	360
Dust Class ^{f)} Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant (.005)		
Surface area	cm ² - m ²	16.000 - 1,6
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH1636M.Z2	2,2 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KH1636M.Z2-60Hz	2,55 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
435	Silencer for painted version	I
961	Chassis with wheels	R
SILINOX	Silencer for stainless steel versions	I

KH3036M.Z2



ATEX ZONES 22, 2
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	4 - 5,4	4,55 - 6,1
Input voltages Y ¹⁾	V	690	---
Current Y	A	4,25	---
Input voltages D ¹⁾	V	400	460
Current D	A	7,4	7,2
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.600	2.700
	mbar	260	270
Maximum air flow	l/min	5.683	6.567
	m ³ /h	341	394
Acoustic level ^{e)}	dB (A)	71	72
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	68	
Packing weight	kg	78	
Dimensions - L x W x H	mm	454 x 827 x 1.219	
Packing size - L x W x H	mm	870 x 670 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 7
Diameter	mm	360
Dust Class ^{f)} Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant (.005)		
Surface area	cm ² - m ²	27.000 - 2,7
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH3036M.Z2	4 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KH3036M.Z2-60Hz	4,55 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
435	Silencer for painted version	I
961	Chassis with wheels	R
SILINOX	Silencer for stainless steel versions	I

KH3046M.Z2



ATEX ZONES 22, 2
NO CONDUCTIVE DUST





GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	4 - 5,4	4,55 - 6,1
Input voltages Y ¹⁾	V	690	---
Current Y	A	4,25	---
Input voltages D ¹⁾	V	400	460
Current D	A	7,4	7,2
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.600	2.700
	mbar	260	270
Maximum air flow	l/min	5.683	6.567
	m ³ /h	341	394
Acoustic level ^{e)}	dB (A)	71	72
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	35	
Packing weight	kg	45	
Dimensions - L x W x H	mm	929 x 563 x 1.219	
Packing size - L x W x H	mm	1.140 x 730 x 1.610	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
	Surface area	cm ² - m ² 19.500 - 1,95
	Diameter	mm 460
	Dust Class ^{f)} Media ³⁾	M Antistatic polyester
	Filter cleaning	Manual filter shaker
Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ² 28.000 - 2,8
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH3046M.Z2	4 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KH3046M.Z2-60Hz	4,55 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KH3046PM.Z2

3~ M Ex IP55

ATEX ZONES 22, 2
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	4 - 5,4	4,55 - 6,1
Input voltages Y ¹⁾	V	690	---
Current Y	A	4,25	---
Input voltages D ¹⁾	V	400	460
Current D	A	7,4	7,2
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.600
	mbar	240	260
Maximum air flow	l/min	7.183	8.750
	m ³ /h	431	525
Acoustic level ^{e)}	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	105	
Packing weight	kg	115	
Dimensions - L x W x H	mm	929 x 563 x 1.219	
Packing size - L x W x H	mm	1.140 x 730 x 1.610	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
Surface area	cm ² - m ²	19.500 - 1,95
Diameter	mm	460
Dust Class ^{f)} Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	28.000 - 2,8
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KH3046PM.Z2	4 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KH3046PM.Z2-60Hz	4,55 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV1028M.Z2



ATEX ZONES 22, 2
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,47	1,27 - 1,7
Input voltages Y ¹⁾	V	400	460
Current Y	A	2,25	2,25
Input voltages D ¹⁾	V	230	---
Current D	A	---	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	9	
Weight	kg	40	
Packing weight	kg	50	
Dimensions - L x W x H	mm	420 x 390 x 820	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	40	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter			
	Surface area	cm ² - m ²	2.300 - 0,23
	Diameter	mm	280
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
	Filter cleaning		Not available
Upstream absolute filter - Variant 005			
	Surface area	cm ² - m ²	12.000 - 1,2
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{f)4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV1028M.Z2	1,1 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R
KV1028M.Z2-60Hz	1,27 kW, 9 l capacity, grey RAL 9006 painted, 280 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV1036M.Z2



ATEX ZONES 22, 2
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	1,1 - 1,47	1,27 - 1,7
Input voltages Y ¹⁾	V	400	460
Current Y	A	2,25	2,25
Input voltages D ¹⁾	V	230	---
Current D	A	---	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.100	2.400
	mbar	210	240
Nominal vacuum ²⁾	mmH ₂ O	1.900	1.800
	mbar	190	180
Maximum air flow	l/min	2.633	3.150
	m ³ /h	158	189
Acoustic level ^{e)}	dB (A)	65	66
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	40	
Packing weight	kg	50	
Dimensions - L x W x H	mm	540 x 460 x 1.240	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

Default primary star filter		
Surface area	cm ² - m ²	7.000 - 7
Diameter	mm	360
Dust Class ^{f)} Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant (.005)		
Surface area	cm ² - m ²	16.000 - 1,6
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV1036M.Z2	1,1 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KV1036M.Z2-60Hz	1,27 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV1636M.Z2

3~ M Ex IP55

ATEX ZONES 22, 2
NO CONDUCTIVE DUST





GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	2,2 - 2,95	2,55 - 3,42
Input voltages Y ¹⁾	V	400	460
Current Y	A	4,2	4,2
Input voltages D ¹⁾	V	230	---
Current D	A	---	---
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G1,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	2.500	3.000
	mbar	250	300
Nominal vacuum ²⁾	mmH ₂ O	2.200	2.400
	mbar	220	240
Maximum air flow	l/min	3.683	4.417
	m ³ /h	221	265
Acoustic level ^{e)}	dB (A)	69	70
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	25	
Weight	kg	59	
Packing weight	kg	69	
Dimensions - L x W x H	mm	540 x 460 x 1.240	
Packing size - L x W x H	mm	820 x 550 x 1.630	
Diameters:			
material inlet	mm	50	
air exhaust	mm	80	

FILTRATION DATA

	Default primary star filter		
	Surface area	cm ² - m ²	7.000 - 7
	Diameter	mm	360
	Dust Class ^{f)} Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker	
	Upstream absolute filter - Variant (.005)		
	Surface area	cm ² - m ²	16.000 - 1,6
	Media		Glass fibre
	Dust Class ^{g)}		H14
	Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV1636M.Z2	2,2 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R
KV1636M.Z2-60Hz	2,55 kW, 25 l capacity, grey RAL 9006 painted, 360 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV3046M.Z2



ATEX ZONES 22, 2
NO CONDUCTIVE DUST



GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	4 - 5,4	4,55 - 6,1
Input voltages Y ¹⁾	V	690	---
Current Y	A	4,25	---
Input voltages D ¹⁾	V	400	460
Current D	A	7,4	7,2
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.600	2.700
	mbar	260	270
Maximum air flow	l/min	5.683	6.567
	m ³ /h	341	394
Acoustic level ^{e)}	dB (A)	71	72
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	74	
Packing weight	kg	84	
Dimensions - L x W x H	mm	685 x 560 x 1.600	
Packing size - L x W x H	mm	1.140 x 730 x 1.710	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
Surface area	cm ² - m ²	19.500 - 1,95
Diameter	mm	460
Dust Class ¹⁾ Media ³⁾		M Antistatic polyester
Filter cleaning		Manual filter shaker
Upstream absolute filter - Variant 005		
Surface area	cm ² - m ²	28.000 - 2,8
Media		Glass fibre
Dust Class ^{g)}		H14
Efficiency M.P.P.S. ^{g) 4)}		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:

- ¹⁾ Other input voltages upon request
- ²⁾ Maximum vacuum in continuous run
- ³⁾ Other materials available according to the material to be vacuumed
- ⁴⁾ With 0,18 µm particles
- ⁵⁾ "Pharma finishing": AISI 316L cleaned welding and inner mirror polished

MACHINE

		£
KV3046M.Z2	4 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KV3046M.Z2-60Hz	4,55 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

		£
001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R

KV3046PM.Z2



ATEX ZONES 22, 2
NO CONDUCTIVE DUST





GENERAL FEATURES

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

TECHNICAL DATA

		50 Hz	60 Hz
Power	kW - HP	4 - 5,4	4,55 - 6,1
Input voltages Y ¹⁾	V	690	---
Current Y	A	4,25	---
Input voltages D ¹⁾	V	400	460
Current D	A	7,4	7,2
Electric protection ^{a)}		IP55	
Default factory setting	V Hz	400 50	
Electrical cable:			
type		4G2,5 H07RN-F	
length	m	6 m	
plug		Not supplied	
Insulation class ^{b)}		F	
Energetic class ^{c)}		IE3	
ATEX Mark ^{d)}		II3GD Ex dc h IIB T3 Gc - h tc IIIB T 125°C Dc	
Maximum vacuum	mmH ₂ O	3.200	4.000
	mbar	320	400
Nominal vacuum ²⁾	mmH ₂ O	2.400	2.600
	mbar	240	260
Maximum air flow	l/min	7.183	8.750
	m ³ /h	431	525
Acoustic level ^{e)}	dB (A)	73	74
Environmental working temperature	°C	5 ÷ 40	
Dust bin capacity	l	35	
Weight	kg	74	
Packing weight	kg	84	
Dimensions - L x W x H	mm	685 x 560 x 1.600	
Packing size - L x W x H	mm	1.140 x 730 x 1.710	
Diameters:			
material inlet	mm	70	
air exhaust	mm	80	

FILTRATION DATA

Default primary bag filter		
	Surface area	cm ² - m ² 19.500 - 1,95
	Diameter	mm 460
	Dust Class ¹⁾ Media ³⁾	M Antistatic polyester
	Filter cleaning	Manual filter shaker
Upstream absolute filter - Variant 005		
	Surface area	cm ² - m ² 28.000 - 2,8
	Media	Glass fibre
	Dust Class ^{g)}	H14
	Efficiency M.P.P.S. ^{g) 4)}	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:

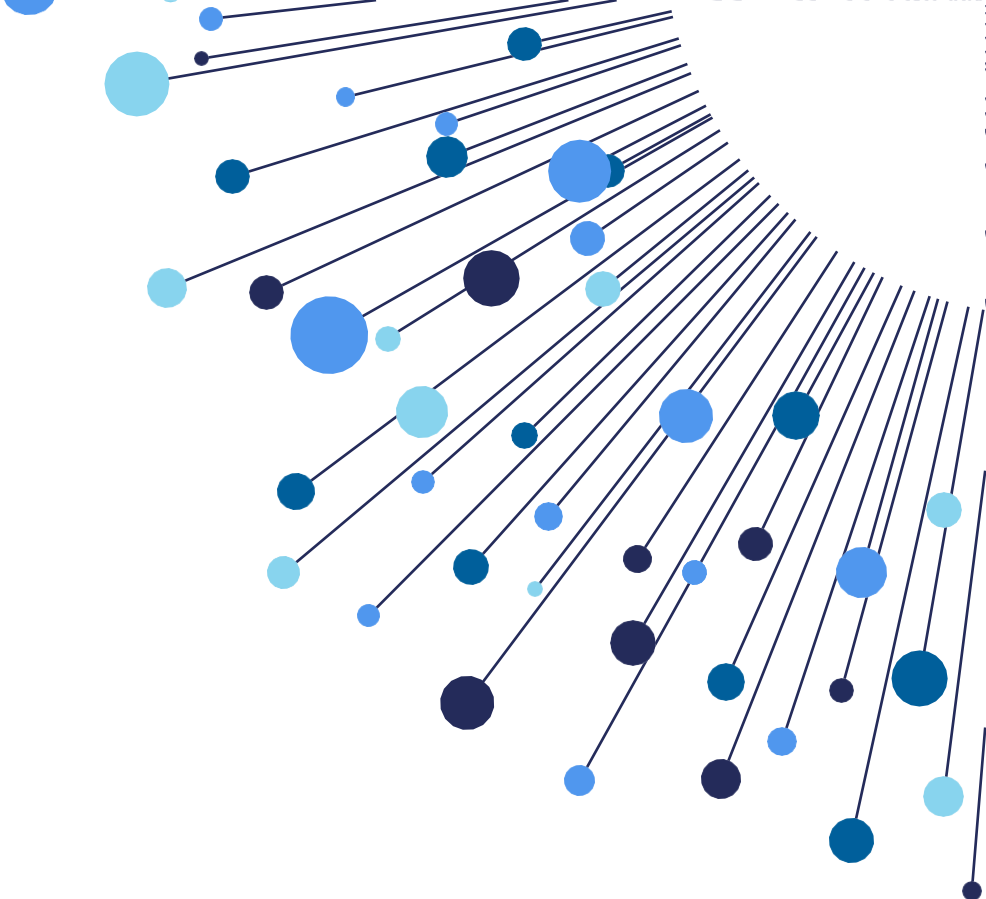
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MACHINE

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KV3046PM.Z2	4 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R
KV3046PM.Z2-60Hz	4,55 kW, 35 l capacity, grey RAL 9006 painted, 460 mm diameter three phase industrial vacuum cleaner	R

OUTFITS

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001	AISI 304 stainless steel dust bin	I
001P	AISI 316L stainless steel dust bin - Pharma finishing ⁵⁾	R
003	Entirely made out of AISI 304 stainless steel	R
003P	AISI 304 stainless steel completely made with AISI 316L stainless steel dust bin and filtering chamber - Pharma finishing ⁵⁾	R
005	Upstream absolute filter (HEPA) with M dust class primary filter	R
090	On/off switch with thermal protection	R
104	Remote on/off switch arrangement through dry contact onto processing machine electric control panel	R
961	Chassis with wheels	R



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