

## KB5PM.022

3~ IP65

ATEX ZONE 22  
IN PRESENCE OF CONDUCTIVE DUST

## GENERAL FEATURES

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

## MACHINE

|              |                                                                                                     |
|--------------|-----------------------------------------------------------------------------------------------------|
| KB5SM.022    | 5,2 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner |
| KB5S/SDM.022 | 5,2 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner |

## TECHNICAL DATA

|                                         |                    | 50 Hz                        |                             |
|-----------------------------------------|--------------------|------------------------------|-----------------------------|
| Power                                   | kW - HP            | 5,2 - 7,0                    |                             |
| Input voltages Y <sup>1)</sup>          | V                  | 400                          |                             |
| Current Y                               | A                  | 10                           |                             |
| Input voltages D <sup>1)</sup>          | V                  | 230                          |                             |
| Current D                               | A                  | 17,3                         |                             |
| Electric protection <sup>4)</sup>       |                    |                              | IP65                        |
| Default factory setting                 | V   Hz             | 400   50                     |                             |
| Electrical cable:                       |                    |                              |                             |
| type                                    |                    | 4G2,5 H07RN-F                |                             |
| length                                  | m                  | 9                            |                             |
| plug                                    |                    | Not supplied                 |                             |
| Insulation class <sup>10)</sup>         |                    | F                            |                             |
| Energetic class <sup>11)</sup>          |                    | IE1                          |                             |
| ATEX Mark <sup>18)</sup>                |                    | II3D - Ex h Ic IICT 135°C Dc |                             |
| Maximum vacuum                          | mmH <sub>2</sub> O | 5.100                        |                             |
|                                         | mbar               | 510                          |                             |
| Nominal vacuum <sup>2)</sup>            | mmH <sub>2</sub> O | 4.400                        |                             |
|                                         | mbar               | 440                          |                             |
| Maximum air flow                        | l/min              | 5.600                        |                             |
|                                         | m <sup>3</sup> /h  | 336                          |                             |
| Acoustic level <sup>16)</sup>           | dB (A)             | 74                           |                             |
| Environmental working temperature       | °C                 | 5 + 40                       |                             |
| Dust bin capacity                       | l                  | 90 - 50                      |                             |
| Wheels material                         |                    | Rubber                       |                             |
| Weight                                  | kg                 | 150                          |                             |
| Packing weight                          | kg                 | 165                          |                             |
| Dimensions - L x W x H (008)            | 90 l               | mm                           | 990 x 650 x 1.440 (1.740)   |
|                                         | 50 l               | mm                           | 990 x 650 x 1.440 (1.520)   |
| Standard packing size - L x W x H (008) | 90 l               | mm                           | 1.140 x 730 x 1.610 (1.850) |
|                                         | 50 l               | mm                           | 1.140 x 730 x 1.610 (1.630) |
| Diameters:                              |                    |                              |                             |
| material inlet                          | mm                 | 70                           |                             |
| air exhaust                             | mm                 | 100                          |                             |
| wheels: chassis                         | mm                 | 150 - 200                    |                             |
| wheels: bin                             | mm                 | 60                           |                             |

## FILTRATION DATA

|  |                                                        |                                       |                           |
|--|--------------------------------------------------------|---------------------------------------|---------------------------|
|  | Default primary star filter                            |                                       |                           |
|  | Surface area                                           | cm <sup>2</sup> - m <sup>2</sup>      | 19.500 - 1,95             |
|  | Diameter                                               | mm                                    | 460                       |
|  | Dust Class <sup>1)</sup>   Media <sup>15)</sup>        |                                       | M   Antistatic polyester  |
|  | Filter cleaning                                        |                                       | Manual filter shaker      |
|  | Optional primary filter - cartridges kit - Variant 008 |                                       |                           |
|  | Surface area   Diameter                                | cm <sup>2</sup> - m <sup>2</sup>   mm | 56.400 - 5,64   460       |
|  | Dust Class <sup>1)</sup>   Media                       |                                       | M   Antistatic polyester  |
|  | Compressed air consumption   pressure                  | nl/min   bar                          | 48   4 + 6                |
|  | Filter cleaning                                        |                                       | Automatic cleaning system |
|  | Upstream absolute filter - Variant 005                 |                                       |                           |
|  | Surface area                                           | cm <sup>2</sup> - m <sup>2</sup>      | 52.000 - 5,2              |
|  | Media                                                  |                                       | Glass fibre               |
|  | Dust Class <sup>1)</sup>                               |                                       | H14                       |
|  | Efficiency M.P.P.S. <sup>17)</sup>                     |                                       | 99,995%                   |

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

Notes:

<sup>1)</sup> Other input voltages upon request<sup>2)</sup> Maximum vacuum in continuous run<sup>15)</sup> Other materials available according to the material to be vacuumed<sup>18)</sup> With 0,18 µm particles

## OUTFITS

|      | 90 l - E                                                                                            | 50 l - E |
|------|-----------------------------------------------------------------------------------------------------|----------|
| 001  | AISI 304 stainless steel dust bin                                                                   | I        |
| 002  | AISI 304 stainless steel dust bin and filtering chamber                                             | R        |
| 003  | Entirely made out of AISI 304 stainless steel                                                       | R        |
| 005  | Upstream absolute filter (HEPA)                                                                     | R        |
| 006  | Electric filter shaker with push-button                                                             | R        |
| 006A | Automatic electric filter shaker                                                                    | R        |
| 008  | Automatic reverse jet cartridge filtering system                                                    | R        |
| 008S | Automatic reverse jet cartridge filtering system - version: AISI 304 stainless steel                | R        |
| 046  | 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        |
| 800  | Material inlet fitted on castor wheels side                                                         | X        |
| 821  | Air exhaust hose fitting                                                                            | R        |

LEGEND:

R = Price upon request

I = Included

X = Not available