

## KB4SM.022B

3~ IP55

ATEX ZONE 22  
NO CONDUCTIVE DUST

## GENERAL FEATURES

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

## MACHINE

|               |                                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------|
| KB4SM.022B    | 4 kW, 90 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner |
| ***           | ***                                                                                               |
| KB4S/50M.022B | 4 kW, 50 l capacity, blue RAL 5012 painted, 460 mm diameter three phase industrial vacuum cleaner |

## TECHNICAL DATA

|                                         |                   | 50 Hz                          |      |
|-----------------------------------------|-------------------|--------------------------------|------|
| Power                                   | kW - HP           | 4,0 - 5,4                      |      |
| Input voltages Y <sup>1)</sup>          | V                 | 400                            |      |
| Current Y                               | A                 | 8                              |      |
| Input voltages D <sup>2)</sup>          | V                 | 230                            |      |
| Current D                               | A                 | 13,9                           |      |
| Electric protection <sup>3)</sup>       |                   |                                | IP55 |
| Default factory setting                 | V   Hz            | 400   50                       |      |
| Electrical cable:                       |                   |                                |      |
| type                                    |                   | 4G2,5 H07RN-F                  |      |
| length                                  | m                 | 9 m                            |      |
| plug                                    |                   | Not supplied                   |      |
| Insulation class <sup>4)</sup>          |                   | F                              |      |
| Energetic class <sup>5)</sup>           |                   | IE1                            |      |
| ATEX Mark <sup>6)</sup>                 |                   | II3D - Ex h Ie IIIB T 135°C Dc |      |
| Maximum vacuum                          | mmHg              | 5.100                          |      |
|                                         | mbar              | 510                            |      |
| Nominal vacuum <sup>2)</sup>            | mmHg              | 3.300                          |      |
|                                         | mbar              | 330                            |      |
| Maximum air flow                        | l/min             | 5.600                          |      |
|                                         | m <sup>3</sup> /h | 336                            |      |
| Acoustic level <sup>4)</sup>            | dB (A)            | 75                             |      |
| Environmental working temperature       | °C                | 5 + 40                         |      |
| Dust bin capacity                       | l                 | 90 - 50                        |      |
| Wheels material                         |                   | Rubber                         |      |
| Weight                                  | kg                | 141                            |      |
| Packing weight                          | kg                | 156                            |      |
| Dimensions - L x W x H (008)            | 90 l              | 990 x 650 x 1.440 (1.740)      |      |
|                                         | 50 l              | 990 x 650 x 1.440 (1.520)      |      |
| Standard packing size - L x W x H (008) | 90 l              | 1.140 x 730 x 1.610 (1.850)    |      |
|                                         | 50 l              | 1.140 x 730 x 1.610 (1.630)    |      |
| Diameters:                              |                   |                                |      |
| material inlet                          | mm                | 70                             |      |
| air exhaust                             | mm                | 80                             |      |
| wheels: chassis                         | mm                | 150 - 200                      |      |
| wheels: bin                             | mm                | 60                             |      |

## FILTRATION DATA

|  |                                                        |                                       |                           |
|--|--------------------------------------------------------|---------------------------------------|---------------------------|
|  | Default primary star filter                            |                                       |                           |
|  | Surface area                                           | cm <sup>2</sup> - m <sup>2</sup>      | 19.500 - 1,95             |
|  | Diameter                                               | mm                                    | 460                       |
|  | Dust Class <sup>1)</sup>   Media <sup>2)</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>4)</sup>                      |                                       | 99,995%                   |

Normatives: a) IEC60529; b) IEC60085; c) IEC60034-2-1; d) 2014/34/EU; e) EN60704-2-1; f) EN62335-2-69; g) EN1822

Notes:

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

## OUTFITS

|      | 90 l - E                                                                                            | 50 l - E |
|------|-----------------------------------------------------------------------------------------------------|----------|
| 001  | AlSi 304 stainless steel dust bin                                                                   | R        |
| 002  | AlSi 304 stainless steel dust bin and filtering chamber                                             | R        |
| 003  | Entirely made out of AlSi 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: AlSi 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        |
| 403  | 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        |

LEGENDA:

R = price upon request

I = included

X = not available