

## KB2M.100.022B

1~ M Ex IP55

ATEX ZONE 22

NO CONDUCTIVE DUST



## GENERAL FEATURES

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

## MACHINE

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

## TECHNICAL DATA

|                                         |         | 50 Hz     |                                |
|-----------------------------------------|---------|-----------|--------------------------------|
| Power                                   | kW · HP | 2,2 - 2,9 |                                |
| Input voltages Y <sup>1)</sup>          | V       | 230       |                                |
| Current Y                               | A       | 15        |                                |
| Input voltages D <sup>1)</sup>          | V       | ---       |                                |
| Current D                               | A       | ---       |                                |
| Electric protection <sup>2)</sup>       |         |           | IP55                           |
| Default factory setting                 | V   Hz  | 230   50  |                                |
| Electrical cable:                       |         |           |                                |
| type                                    |         |           | 4G2,5 H07RN-F                  |
| length                                  | m       |           | 9 m                            |
| plug                                    |         |           | Not supplied                   |
| Insulation class <sup>3)</sup>          |         |           | F                              |
| Energetic class <sup>4)</sup>           |         |           | IE1                            |
| ATEX Mark <sup>5)</sup>                 |         |           | II3D - Ex h Ic IIIB T 135°C Dc |
| Maximum vacuum                          | mmHg    | 2.650     |                                |
|                                         | mbar    | 265       |                                |
| Nominal vacuum <sup>2)</sup>            | mmHg    | 2.000     |                                |
|                                         | mbar    | 200       |                                |
| Maximum air flow                        | l/min   | 5.600     |                                |
|                                         | m³/h    | 336       |                                |
| Acoustic level <sup>6)</sup>            | dB (A)  | 70        |                                |
| Environmental working temperature       | °C      |           | 5 + 40                         |
| Dust bin capacity                       | l       |           | 90                             |
| Wheels material                         |         |           | Rubber                         |
| Weight                                  | kg      |           | 120                            |
| Packing weight                          | kg      |           | 135                            |
| 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 1.220 (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                                           | cm² · m²      | 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                                | cm² · m²   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                                           | cm² · m²      | 28.000 - 2,8              |
|  | Media                                                  |               | Glass fibre               |
|  | Dust Class <sup>3)</sup>                               |               | H14                       |
|  | Efficiency M.P.P.S. <sup>4)</sup>                      |               | 99,995%                   |

Normatives: a) IEC60529; b) IEC60085; c) IEC6034-2-1; 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>3)</sup> Other materials available according to the material to be vacuumed<sup>4)</sup> With 0,18 µm particles

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

LEGENDA:

R = price upon request

I = included

X = not available