

The image shows a white, vertical industrial oil mist filtration system. On the left side, the brand name 'MANN+HUMMEL' is printed in large, green, sans-serif capital letters. The top left corner features three circular gauges and a small black rectangular control panel. The main body of the unit is white with several horizontal panels. A central panel has a red indicator light and a small white sensor. Below this, there are two black and red components, likely part of the filtration or monitoring system. The bottom right corner shows a circular access panel.

**MANN+  
HUMMEL**

ScandMist 400D  
Oil mist filtration  
system

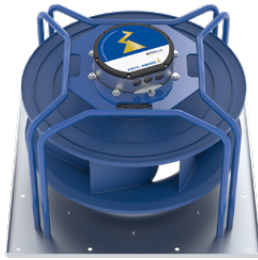
# ScandMist 400D

## Oil mist filtration system

| General                    | Product                      | Units  | ScandMist 400D Gen 2.5                |
|----------------------------|------------------------------|--------|---------------------------------------|
|                            | Application                  |        | Emulsion                              |
|                            | Capacity (nominal)           | CFM    | 2350                                  |
|                            | Part Number                  |        | A1B40DB000000A                        |
| <b>Connections</b>         | Inlet type                   |        | Jacobs                                |
|                            | Inlet Diameter               | Inches | 12                                    |
|                            | Drain                        |        | 2 off, 2" Threaded (BS 21) Female     |
|                            | Air Inlet Options            |        | Left/Right                            |
|                            | Exhaust                      |        | On top                                |
| <b>Filters</b>             | Filters/Stage                |        | 2                                     |
|                            | Pre-filter                   |        | Not included                          |
|                            | Stage 1 Filter               |        | 9709006026                            |
|                            | Stage 2 Filter               |        | 9709006027                            |
|                            | Stage 3 Filter               |        | 5211343315                            |
|                            | Final Pressure Drop          | Pa     | 2040                                  |
| <b>Motor Options</b>       | <b>Type</b>                  |        | <b>Electrically commutated</b>        |
|                            | Part number                  |        | 9709016094                            |
|                            | Quantity                     |        | 2                                     |
|                            | Mains Supply                 |        | 3- 400V 50Hz/60Hz                     |
|                            | Ventilation                  |        | TEFC                                  |
|                            | Power                        | HP     | 2 x 5                                 |
|                            | Maximum Current              | A      | 9.2                                   |
|                            | Speed                        | RPM    | Max 4100                              |
|                            | Environmental Protection     |        | IP54                                  |
| <b>Physical properties</b> | Width                        | Inches | 30                                    |
|                            | Height                       | Inches | 79                                    |
|                            | Dept                         | Inches | 52                                    |
|                            | Weight                       | lbs    | Clean filters: 815, Wet filters: 1003 |
|                            | Noise Level                  | dB(A)  | <69                                   |
|                            | Fan                          |        | Backward Bent Blades                  |
|                            | Finish                       |        | Powder coating inside and outside     |
| <b>Controls</b>            | Control System               |        | Micaflex MF-PFA                       |
|                            | Differential Pressure Gauges |        | 3 off                                 |
| <b>Options</b>             | Oil pump                     |        | Not included                          |
|                            | Level sensor                 |        | Not included                          |
|                            | Spray                        |        | Not included                          |
|                            | Silencer                     |        | Insulated fan housing                 |

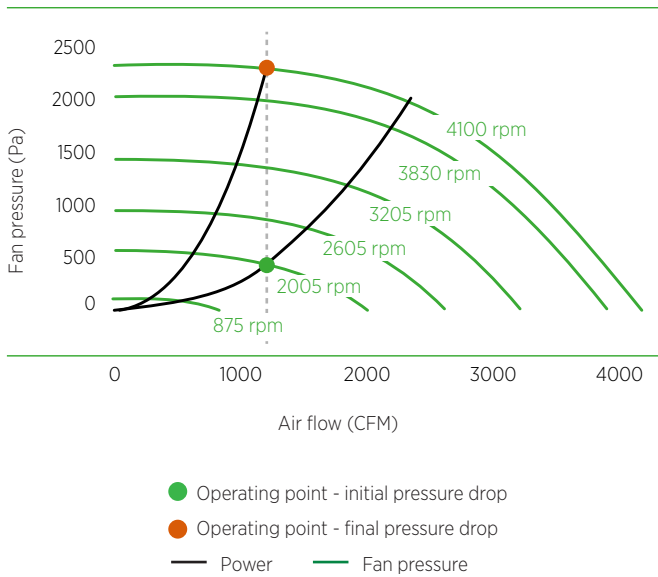
## EC fan and motor

The standard EC fan and motor delivers good energy efficiency with quiet operation.



## Connecting interface

Wiring via a Harting male/female connector. Quick and easy installation with all connecting interfaces at one spot.

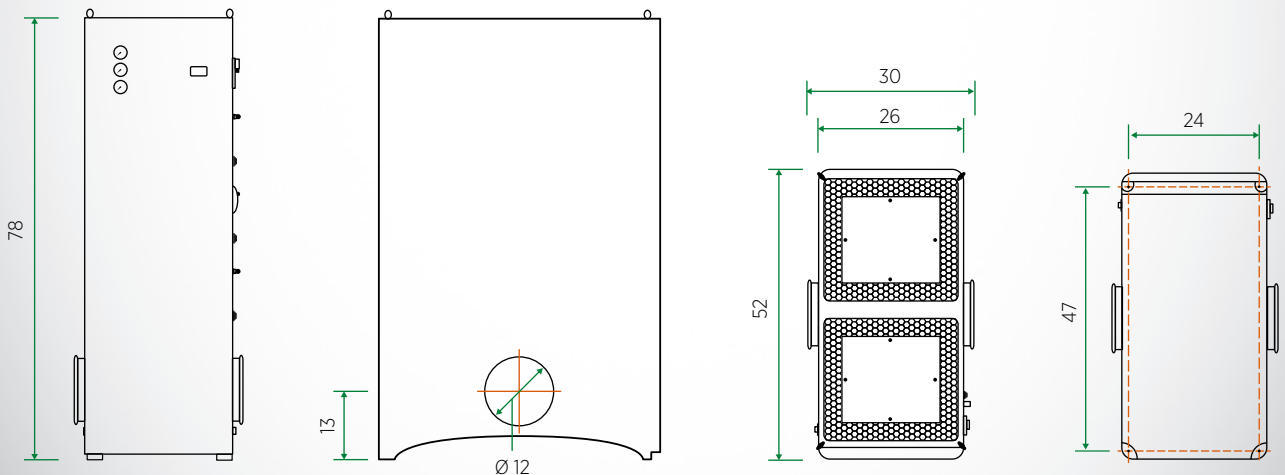


| Power |    | Signal exchange |        |  |
|-------|----|-----------------|--------|--|
| 1     | L1 | 1               | +24V   | Power  |
| 2     | L2 | 2               | M      |  |
| 3     | L3 | 3               | ON/OFF | Machine or switch                                  |
| 4     | N  | 4               | M      |  |
| 5     | PE | 5               | AL1    | Alarm 1, Motor/Power                               |
|       |    | 6               | M      |  |
|       |    | 7               | AL2    | Alarm 2, System pressure high/low/operation signal |
|       |    | 8               | N      |  |
|       |    | 9               | AL3    | Alarm 3, System pressure high/low/operation signal |
|       |    | 10              | N      |  |
|       |    | 11              | Reset  | Reset for alarms                                   |
|       |    | 12              | N      |  |
|       |    | 13              | AI2    | Analog output 2 of Micaflex MF-PFA                 |
|       |    | 14              | N      |  |

## Dimensions and weight

Units: Inches

| Weight        | lbs  |
|---------------|------|
| Empty         | 572  |
| Clean filters | 814  |
| Wet filters   | 1001 |





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