

A photograph of a white, vertical industrial filtration unit. The unit has a textured surface and features several components: two circular gauges at the top left, a small black rectangular panel, a white electrical control box with a red and black switch, and several black and red fittings. The brand name 'MANN+HUMMEL' is printed in green on the left side. A semi-transparent dark grey box is overlaid on the right side of the unit, containing white text.

MANN+
HUMMEL

ScandMist 300R
Oil smoke filtration
system

ScandMist 300R

Oil smoke filtration system

General	Product	Units	ScandMist 300R Gen 2.5
	Application		Neat Oil
	Capacity (nominal)	CFM	1800
	Part Number		A1B30RB000000A
Connections	Inlet type		Jacobs
	Inlet Diameter	Inches	16
	Drain		2 off, 2" Threaded (BS 21) Female
	Air Inlet Options		Left/Right
	Exhaust		On top
Filters	Filters/Stage		3
	Pre-filter		Not included
	Stage 1 Filter		9709006037
	Stage 2 Filter		9709006038
	Stage 3 Filter		800530024917
	Final Pressure Drop	Pa	2040
Motor Options	Type		Electrically Commutated
	Part number		9709016094
	Quantity		3
	Mains Supply		3- 400V 50Hz/60Hz
	Ventilation		TEFC
	Power	HP	3 x 5
	Maximum Current	A	13.8
	Speed	RPM	Max 4100
	Environmental Protection		IP54
Physical properties	Width	Inches	30
	Height	Inches	85
	Depth	Inches	77
	Weight	lbs	Clean filters: 1190, Wet filters: 1455
	Noise Level	dB(A)	<69
	Fan		Backward Bent Blades
	Finish		Powder coating inside and outside
Controls	Control System		Micaflex MF-PFA
	Differential Pressure Gauges		3 off
Options	Oil pump		Not included
	Level sensor		Not included
	Spray		Not included
	Silencer		Insulated fan housing

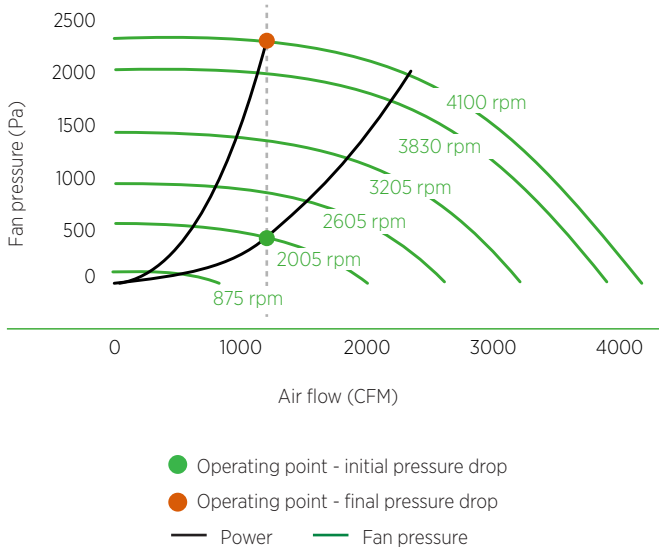
EC fan and motor

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.



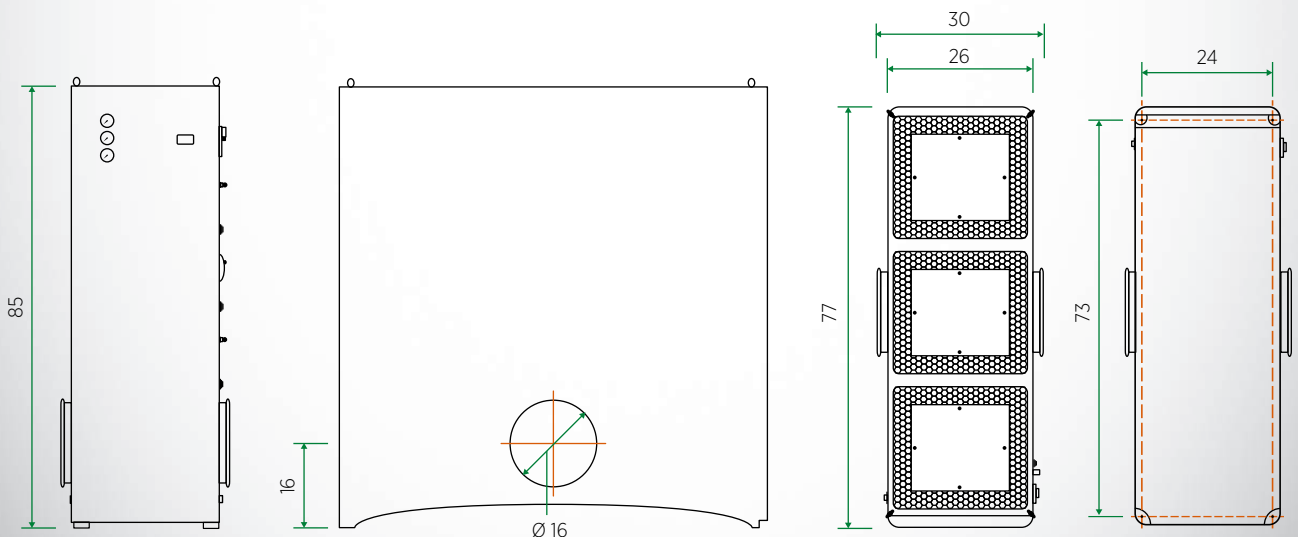
Power		Signal exchange	
1	L1	1	ON/OFF (make contact)
2	L2	2	M
3	L3	3	Output Signal: In Operation
4	N	4	M
5	PE	5	AL1
		6	M
		7	AL2
		8	N
		9	AL3
		10	N
		11	Reset
		12	N
		13	AI2
		14	N

Input: ON/OFF
 Output: In Operation
 Alarm 1, Motor/Power
 Alarm 2, System pressure high/low/operation signal
 Alarm 3, System pressure high/low/operation signal
 Reset for alarms
 Analog output 2 of Micaflex MF-PFA

Dimensions and weight

Units: Inches

Weight	lbs
Empty	836
Clean filters	1188
Wet filters	1452





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ScandMist

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