Whirlwind

Mechanical ventilator

Data Sheet

Whirlwind is a powered extract ventilator designed to deal with localised air quality and overheating problems as well as to provide general comfort control. It has a low silhouette and is lightweight and it is suited to most industrial and commercial buildings.

OPTIONS

Options are available:

- Single phase option for 500mm and 630mm units, three phase option for 500mm, 630mm and 800mm units
- 500mm, 630mm and 800mm nominal fan sizes.

All units are largely made of lightweight, corrosion resistant aluminium.
A non-return shutter opens when the fan is in use and locks closed when the fan stops running against an energy saving seal.

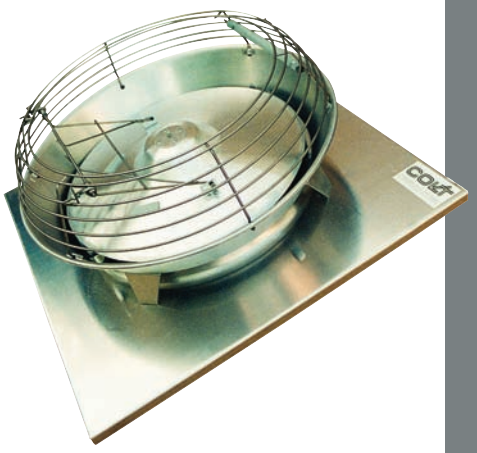
Whirlwind is available as mill finish or with a polyester powder coating to a RAL colour.

INSTALLATION

The ventilator can be orientated at any angle from the horizontal to the vertical. Its wide range of base types and the fact that it is lightweight means that it can be installed into nearly any type of roof or wall structure. All versions except the 800mm unit can be installed directly into glazing.

PERFORMANCE

Whirlwind produces airflows of between 1.1 m^3/s and 4.8 m^3/s. Its sound pressure level ranges from 49 to 67 dB(A) at 3m.



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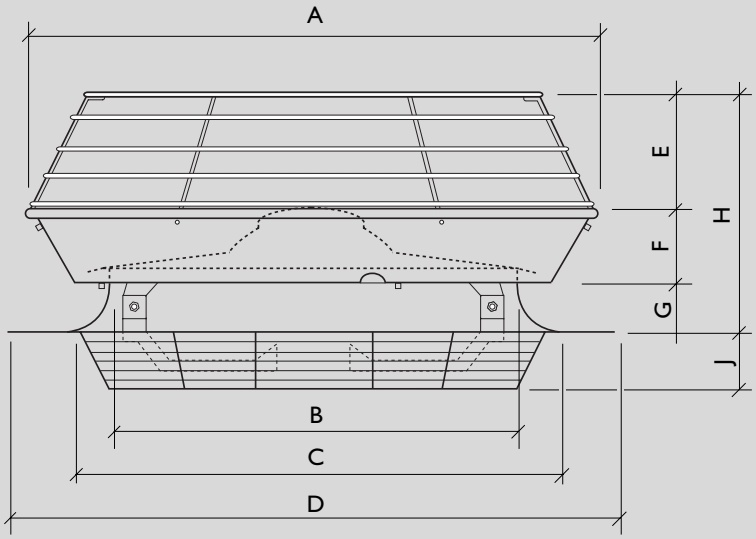

DIMENSIONS (mm)

Size	Curb opening	Base dimension								
	C	D		A	H	J	B	G	F	E
	mm	min	max	mm	mm	mm	mm	mm	mm	mm
W/4/05/RE	525	700	762	742	305	66	502	70	105	130
W/4/06/RE	685	835	1000	900	365	53	633	95	120	150
W/4/08/RE	835	1050	1250	1116	425	54	796	105	135	185

PERFORMANCE DATA & WEIGHTS

Motor Type	Air Flow (m^3/s)	Speed (rps)	Voltage (V)	Current (A)	Motor Power (kW)	Wiring	Sound Pressure Level* dB(A)	Weight (kg)
W4/05								
RE/VS23	max 1.75	20.1	230/1	2.60	0.56	†	59.5	20
RE/23	2.15	22.8	400/3	1.80	0.86	Δ	66.5	25
RE/18	1.57	17.5	400/3	1.10	0.60	Y	56.5	25
RE/16	1.57	15.5	400/3	0.72	0.30	Δ	55.5	24
RE/12	1.09	11.7	400/3	0.41	0.20	Y	47.5	24
RE/23-18	2.15/1.57	22.8/17.5	400/3	1.80/1.10	0.86/0.60	Δ/Y	66.5/56.5	25
RE/16-12	1.57/1.09	15.5/11.5	400/3	0.72/0.41	0.30/0.20	Δ/Y	55.5/47.5	24
W4/06								
RE/VS16	max 2.62	14.5	230/1	3.10	0.70	†	58.5	29
RE/23	4.01	21.0	400/3	3.60	1.80	Δ	72.5	37
RE/18	2.95	15.1	400/3	1.80	0.97	Y	60.5	37
RE/16	2.72	15.0	400/3	1.35	0.60	Δ	58.5	29
RE/12	1.92	11.3	400/3	0.78	0.40	Y	52.5	29
RE/23-18	4.01/2.95	21.0/15.1	400/3	3.60/1.80	1.80/0.97	Δ/Y	72.5/60.5	37
RE/16-12	2.75/1.92	15.0/11.3	400/3	1.35/0.78	0.60/0.40	Δ/Y	58.5/52.5	29
W4/08								
RE/16	4.80	14.6	400/3	2.90	1.45	Δ	65.5	44
RE/12	3.51	10.5	400/3	1.80	0.85	Y	55.5	44
RE/11	3.58	11.3	400/3	1.80	0.72	Δ	56.5	44
RE/08	2.74	8.1	400/3	0.90	0.44	Y	49.5	44
RE/16-12	4.80/3.51	14.6/10.5	400/3	2.90/1.80	1.45/0.85	Δ/Y	65.5/55.5	44
RE/11-08	3.58/2.74	11.3/8.1	400/3	1.80/0.90	0.72/0.44	Δ/Y	56.5/49.5	44

† = Single Phase Δ = Three Phase in Delta (High Speed) Y = Three Phase in Star (Low Speed)

* Measured at 3m in free field conditions