

EVTE ECOWATT Low Power Consumption roof centrifugal fans



Description

Roof-mounted reversible helicopter extractors with single-phase, constructed from weather-resistant materials.

Characteristics

Models 500 and 800 feature a main structure made of thermoplastic material. The base and the top cover are made of galvanized steel and are protected against corrosion with an epoxy-polyester coating.

Models 1300 and 2000 have both the structure and the base made of galvanized steel, while the top cover is made of aluminum. All components are coated with an epoxy-polyester paint to ensure effective protection against corrosion.

All models come equipped with: Bird-proof safety mesh Cable gland for standard connection to the terminal block Removable motor and impeller, allowing for easy inspection and cleaning thanks to quick-release clamps.

Special features

Models 500 and 800 are fitted with high-performance brushless DC motors with low energy consumption.

Power supply: 90–260V, 50/60Hz

Protection rating: IP44

Equipped with ball bearings and thermal protection.

Models 130 and 200 use high-performance brushless EC motors, also designed for energy efficiency.

Power supply: 230V $\pm 15\%$, 50/60Hz

Protection rating: IP44

Fitted with ball bearings and thermal protection.

use

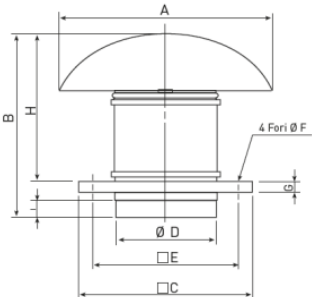
Extraction of stale air (kitchens, toilets, laboratories) with maximum temperature 60°C. Supplied in the standard configuration as exhaust units. Air supply operation can be achieved by rotating the motor-impeller assembly by 180°.

Accessories

- Non-return damper;
- REB-ECOWATT Speed controller for fans fitted with EC motor. The fan speed can be adjusted using a potentiometer that provides an analog signal ranging from 0 to 10V, corresponding to an operating range between 10% and 100%.

Dimensions

all measurements are in mm

Models		A	B	C	D	E	F	G	H	I
		mm	mm	mm	mm	mm	mm	mm	mm	mm
	500/150	400	349	300	150	245	10	20	274	33
	500/160	400	339	300	160	245	10	20	274	33
	800/200	400	375	300	198	245	10	20	310	36
	1300/250	546	457	435	248	330	12	20	372	42
	2000/315	735	544	560	312	450	12	20	450	50

Operating Data

* Sound pressure level measured at 4m, at the medium shown 2, 5, 8 and 11 working point on the performance curve.

Models	Control Voltage (V)	Velocity (r.p.m.)	Maximum Power Consumption (W)	Maximum Current Draw (A)	Maximum Airflow (m³/h)	Operating Temperature (°C)	Livello di pressione sonora* a 4 m (dB(A))		Weight (kg)
							Aspirazione	Scarico	
500/150	10	2670	45	0,4	470	-20/+60	46	52	3,8
	8	2275	31	0,2	410		44	48	
	6	1655	15	0,1	300		34	40	
	4	1135	7	0,1	200		29	30	
500/160	10	2695	48	0,4	490	-20/+60	47	51	3,8
	8	2280	32	0,2	430		43	47	
	6	1700	16	0,1	310		36	39	
	4	1130	8	0,1	210		27	30	
800/200	10	2490	98	0,6	750	-20/+60	47	51	5,6
	8	2190	68	0,4	650		43	47	
	6	1860	46	0,3	570		36	39	
	4	1520	28	0,2	470		27	30	
1300/250	10	2440	137	0,6	1.030	-20/+60	58	63	11,2
	8	2030	85	0,4	830		54	58	
	6	1620	51	0,3	670		50	51	
	4	1210	29	0,2	490		39	43	
2000/315	10	2460	230	1,0	1.530	-20/+60	60	65	17,2
	8	2000	131	0,6	1.230		54	58	
	6	1620	76	0,4	1.020		52	52	
	4	1215	39	0,2	740		43	45	

Airflow Performance

Pa : pressure drop in Pascal

Models	Control Voltage (V)	Pressure (Pa)									
		10	50	100	150	200	250	300	400	500	600
		Airflow (m³/h)									
500/150	10	465	425	365	245	100	-	-	-	-	-
	8	395	345	250	80	-	-	-	-	-	-
	6	280	200	20	-	-	-	-	-	-	-
	4	185	-	-	-	-	-	-	-	-	-
500/160	10	480	435	380	260	120	-	-	-	-	-
	8	415	360	270	90	20	-	-	-	-	-
	6	290	220	40	-	-	-	-	-	-	-
	4	190	-	-	-	-	-	-	-	-	-
800/200	10	750	670	600	510	280	-	-	-	-	-
	8	690	580	500	260	90	-	-	-	-	-
	6	565	465	250	75	-	-	-	-	-	-
	4	450	340	75	-	-	-	-	-	-	-
1300/250	10	1000	910	810	700	525	340	225	-	-	-
	8	835	725	580	345	200	80	-	-	-	-
	6	640	525	250	90	-	-	-	-	-	-
	4	450	225	-	-	-	-	-	-	-	-
2000/315	10	1500	1450	1350	1275	1200	1100	980	680	375	160
	8	1200	1130	1025	925	775	610	425	145	-	-
	6	950	850	725	575	325	150	25	-	-	-
	4	700	580	300	80	-	-	-	-	-	-

Price List

Models	EVTE ECOWATT	REB ECOWATT
	Eur	
500/150	-	-
500/160	-	-
800	-	-
1300	-	-
2000	-	-