

WAE/S Series - wall axial exhaust/supply



The WAE/S series offers reliable performance in commercial and horticultural exhaust or supply air applications. Suitable for wall installation providing good air flow performance against medium level pressures. The fans are inherently low noise and can be fully speed controlled.

Construction

The range is fitted with either aerofoil or sickle blade axial impellers driven by external rotor motors with sealed for life bearings. Motors are single or three phase in four and six pole speeds. Cases are fabricated from corrosion protected steel.

Features

Fully speed controllable.
High reliability external rotor motors.

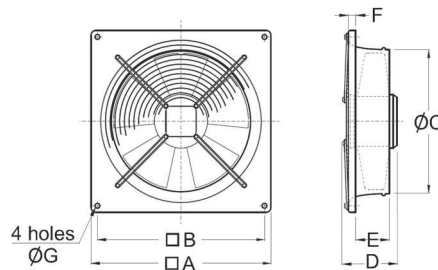
Testing

Rated fan performance has been determined by testing to ISO 5801 : 2007. Fan sound data has been determined by testing to ISO 13347 : 2004.

Wiring diagrams and latest data

Refer to the latest product datasheet for individual model wiring instructions, data and specifications. Datasheets are available from our electronic selection software **FansSelect** downloadable at www.pacificHVAC.com

Ancillaries

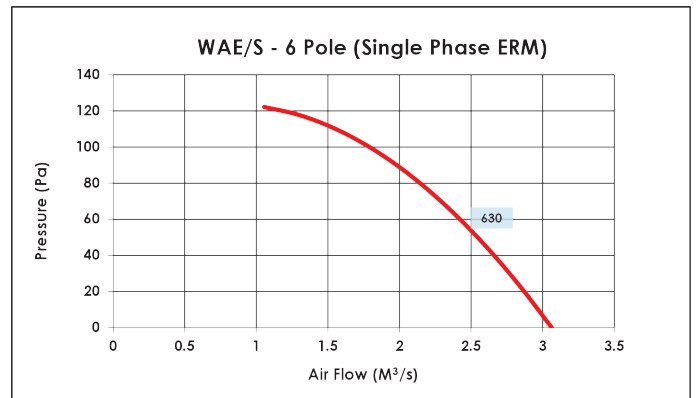
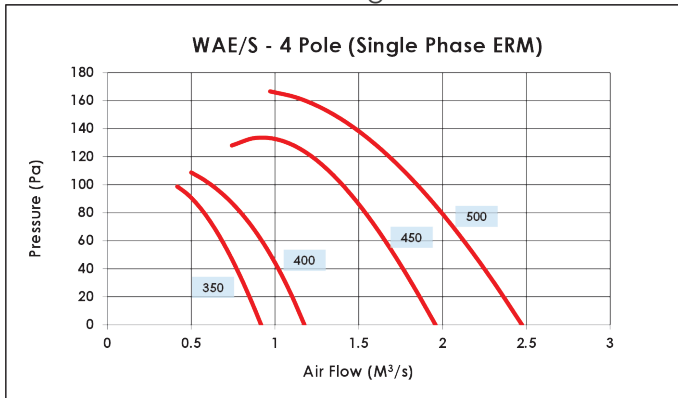


WAE / WAS									
Size	A	B	C	D	E	F	G	kg	
350	460	422	388	175.5	80	12	8	7	
400	540	490	420	142	86	12	9	9	
450	576	535	465	186.5	86	14	11	11	
500	656	615	527	210.5	104	15	11	15	
560	725	675	590	223.5	119	16	11	17	
630	805	750	596	274.5	130	20	11	28	

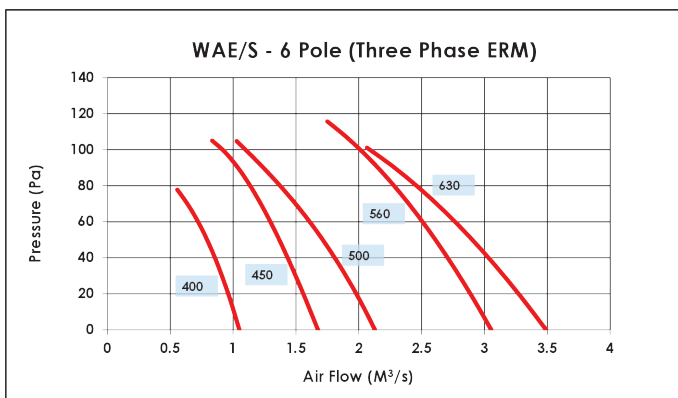
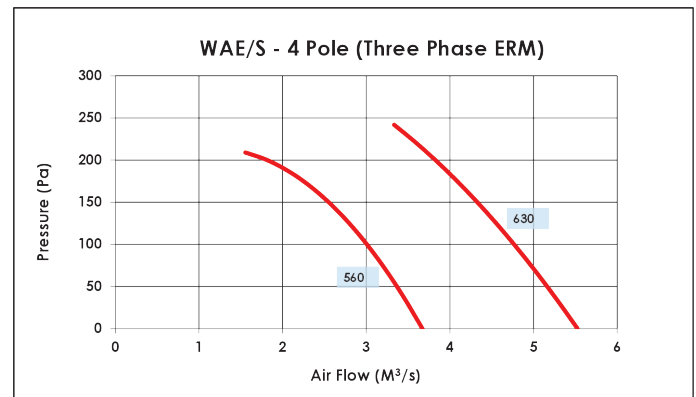
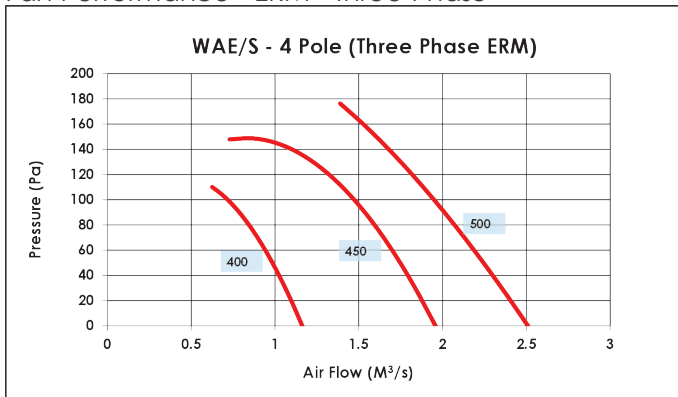
Fan Model	Full Load Current	RPS	Motor kW	dB(A) @ 3m	SPL dB referred to 10 ⁻¹² W							
					63	125	250	500	1K	2K	4K	8K
Single Phase - ERM												
WAE/WAS350-4E	0.73	22	0.165	44	63	65	62	63	60	56	50	45
WAE/WAS400-4E	0.73	24	0.16	46	68	67	65	63	61	60	55	48
WAE/WAS450-4E	2.36	22	0.49	48	70	69	65	64	63	63	59	53
WAE/WAS500-4E	3	22	0.68	53	75	74	70	70	68	68	61	55
WAE/WAS630-6E	2.62	14	0.6	49	75	72	67	68	66	62	57	57
Three Phase - ERM												
WAE/WAS400-4D	0.53	24	0.17	46	68	67	65	63	61	60	55	48
WAE/WAS400-6D	0.21	22	0.115	42	64	64	62	60	57	56	52	44
WAE/WAS450-4D	0.98	23	0.48	48	70	69	65	64	63	63	59	53
WAE/WAS450-6D	0.58	19	0.34	43	59	61	61	60	59	57	53	43
WAE/WAS500-4D	1.4	22	0.71	53	75	74	70	70	68	68	61	55
WAE/WAS500-6D	0.8	18	0.48	48	66	67	67	66	64	62	57	51
WAE/WAS560-4D	2.55	22	1.3	56	75	77	72	73	74	70	62	61
WAE/WAS560-6D	1.44	17	0.84	48	66	68	64	65	66	61	54	52
WAE/WAS630-4D	4.78	22	2.63	60	76	76	78	79	77	73	68	67
WAE/WAS630-6D	1.38	14	0.74	49	75	72	67	68	66	62	57	57

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Fan Performance - ERM - Single Phase



Fan Performance - ERM - Three Phase



Suggested Specification

Axial Flow wall mount type fans shall be of the WAE/S Series manufactured by Pacific HVAC Engineering. Aerofoil section or sickle blade impellers shall be driven by external rotor motors with sealed for life bearings. All fans shall be fully tested in accordance with the requirements of ISO 5801 : 2007 for air flow and ISO 13347 : 2004 for sound.