


KMV Series - roof centrifugal



product KMV Series - roof centrifugal		
dimensions mm 315 - 710	poles & duty 4 - 8 / up to 4,600 L/s	
application A roof mounted motor out of air stream centrifugal range ideal for kitchen extract and general ventilation.		

KMV Series

The KMV series is a range of high performance all metal fans for use in kitchen exhaust and general ventilation applications. Motors are mounted out of the air stream and wind bands are secured with clip fasteners to allow easy access for servicing and cleaning.

Construction

Fabricated from powder coated galvanised steel in compliance with AS/AS/NZS1668.1:2015 for kitchen exhaust systems. High performance backward curved centrifugal impellers are driven by TEFC or External Rotor (ERM) motors incorporating sealed for life bearings. Class F motors are rated to 80°C ambient air temperature. Class H motors are rated to 120°C ambient air temperature. Available in optional Colorbond™ colours.

Testing

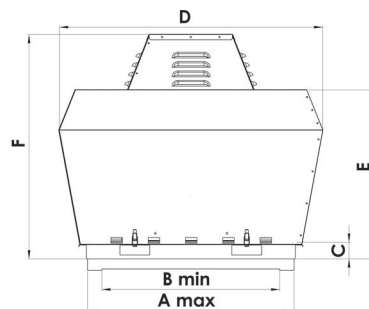
Rated fan performance has been determined by testing to ISO 5801 : 2007 and sound data has been determined by testing to ISO 13347 : 2004.

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 It is a condition of our warranty that all equipment supplied is installed according to the requirements of AS/NZS3000:2007.

Suggested Specification

Roof Mounted Exhaust type fans shall be of the KMV Series manufactured by Pacific HVAC Engineering. Backward curved impellers shall be driven by out of air stream TEFC motors or ERM's with sealed for life bearings. Fan bases and wind bands with fast release clip fasteners shall be weather proof and fabricated from powder coated sheet steel. All fans shall be fully tested in accordance with the requirements of ISO 5801 : 2007 for air flow and ISO 13347 : 2004 for sound



Ancillaries



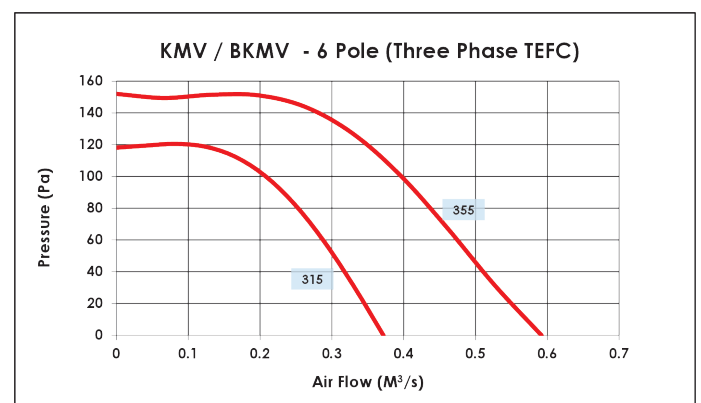
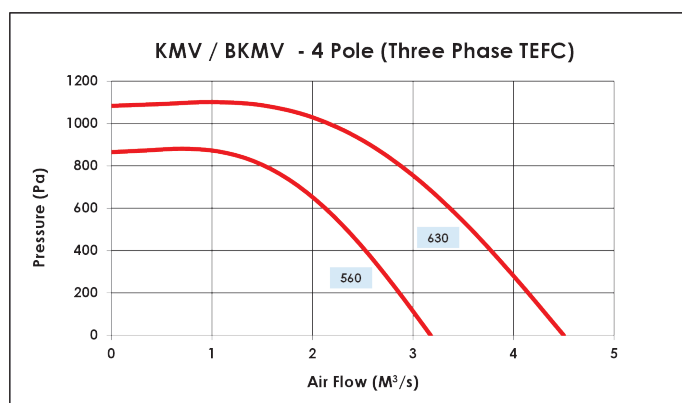
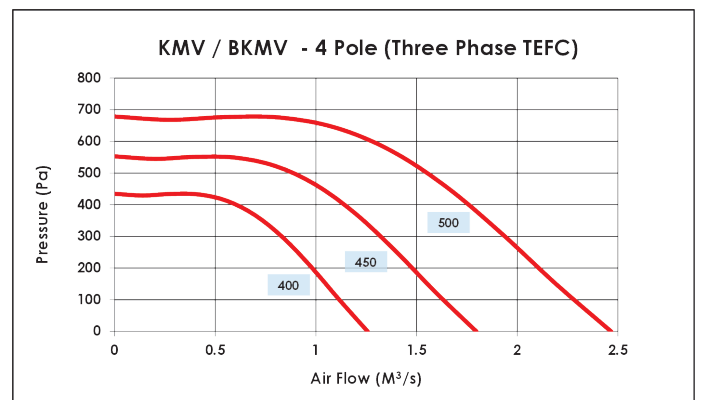
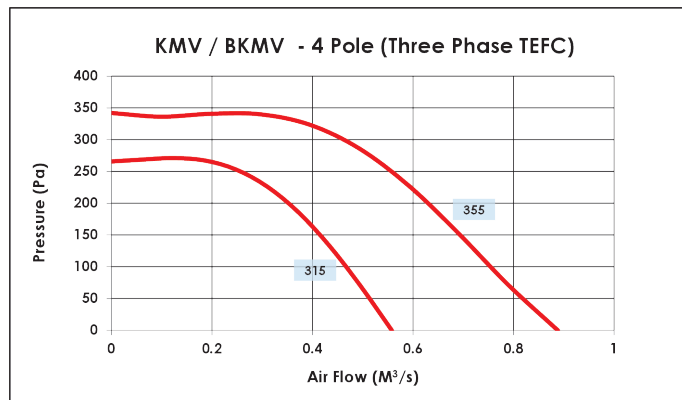
KMV							
Size	A	B	C	D	E	F	kg
315	410	310	50	605	355	545	45
355/400	500	400	50	700	450	600	50/55
450/500/560	720	620	60	920	585	755	75/85/90
630/710	810	710	60	1140	655	865	120/150

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Fan Data - TEFC Motor - Three Phase

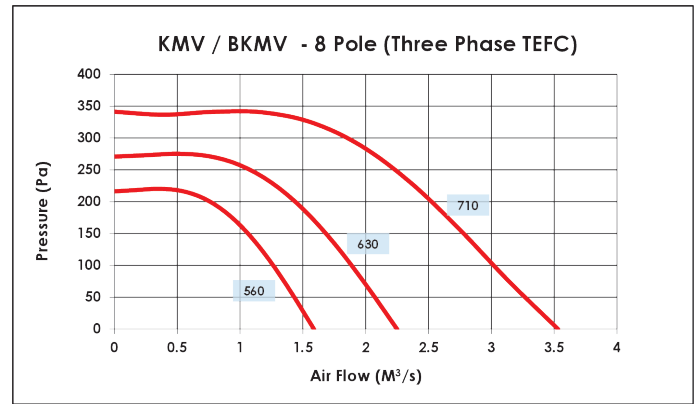
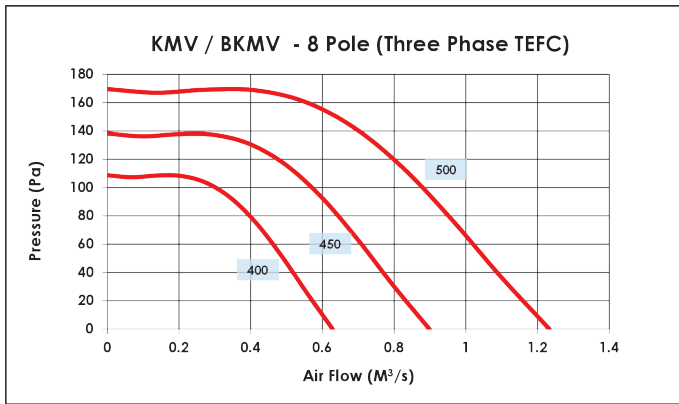
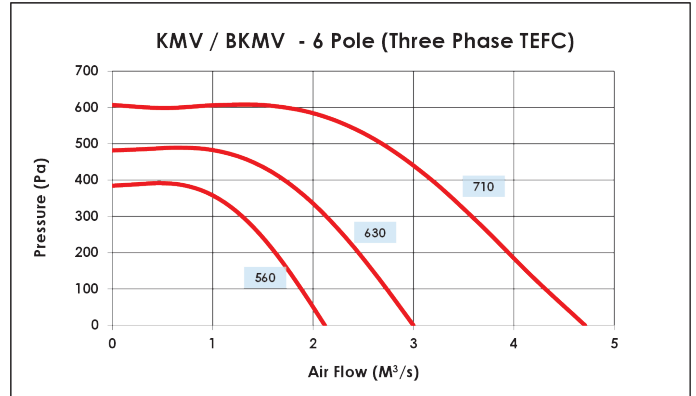
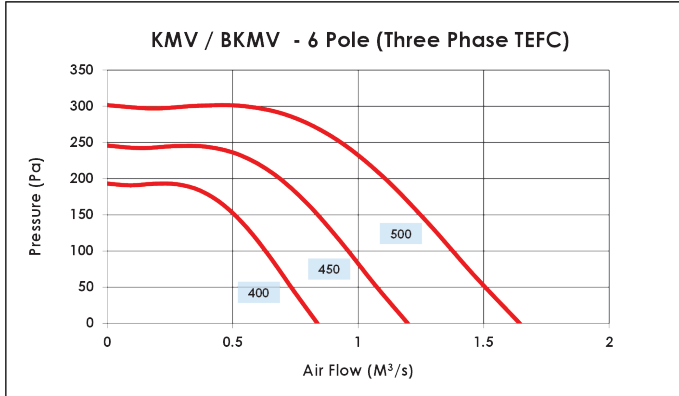
Fan Model	Full Load Current	Motor kW	Shaft Revs /sec	dB(A) @ 3m	Sound Power Level dB referred to 10 ⁻¹² W Type C: ducted inlet, free out (LWI)							
					63	125	250	500	1K	2K	4K	8K
KMV315-4DD	1.26	0.55	24	46	77	75	69	66	59	55	54	51
KMV315-6DD	0.99	0.37	16	40	67	69	60	60	54	51	46	42
KMV355-4DD	1.26	0.55	24	51	75	78	72	71	61	63	59	52
KMV355-6DD	0.99	0.37	16	43	65	69	64	63	58	51	46	44
KMV400-4DD	1.26	0.55	24	54	79	81	75	73	66	66	65	58
KMV400-6DD	0.99	0.37	16	44	70	72	67	63	58	55	52	47
KMV400-8DD	1.23	0.37	12	37	63	65	60	56	51	48	45	40
KMV450-4DD	1.7	0.75	24	56	78	81	77	75	69	69	67	63
KMV450-6DD	0.99	0.37	16	46	74	75	68	65	59	58	55	50
KMV450-8DD	1.23	0.37	12	39	67	68	61	58	52	51	48	43
KMV500-4DD	2.37	1.1	24	60	81	85	81	76	74	74	69	71
KMV500-6DD	0.99	0.37	16	50	74	80	72	66	63	61	58	55
KMV500-8DD	1.23	0.37	12	43	67	73	65	59	56	54	51	48
KMV560-4DD	4.38	2.2	24	65	86	93	88	80	78	78	73	72
KMV560-6DD	1.66	0.55	16	53	78	82	75	70	66	66	62	61
KMV560-8DD	1.23	0.37	12	44	70	72	66	60	58	56	55	50
KMV630-4DD	7.68	4	24	68	83	97	90	81	84	81	78	75
KMV630-6DD	2.62	1.1	16	57	74	87	81	71	74	71	68	66
KMV630-8DD	1.71	0.55	12	51	68	81	75	65	68	65	62	60
KMV710-6DD	4.83	2.2	16	61	85	90	86	75	73	71	70	68
KMV710-8DD	2.91	1.1	12	47	72	75	72	61	61	57	56	53

Fan Performance - TEFC Motor - Three Phase



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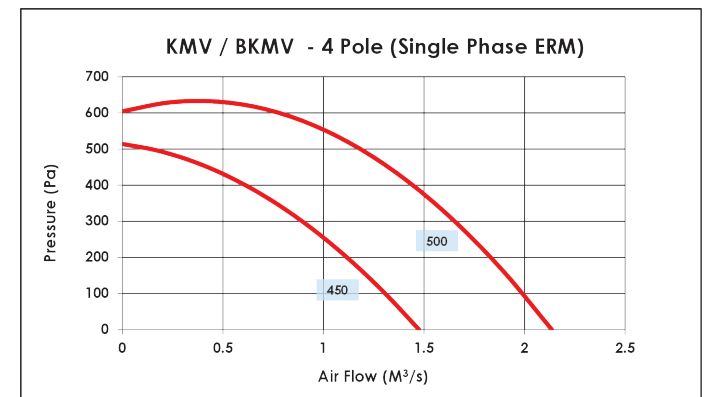
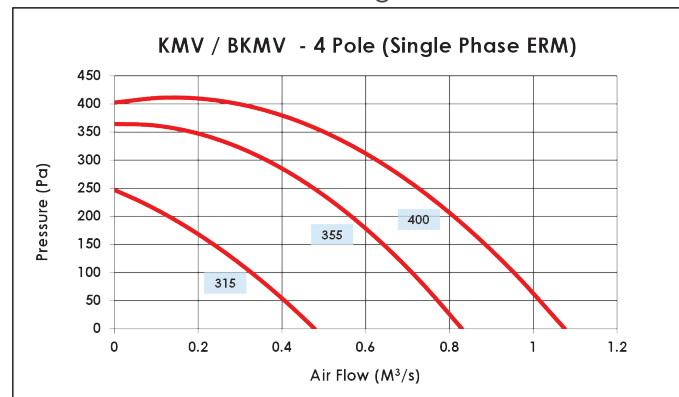
Fan Performance - TEFC Motor - Three Phase



Fan Data - ERM - Single Phase

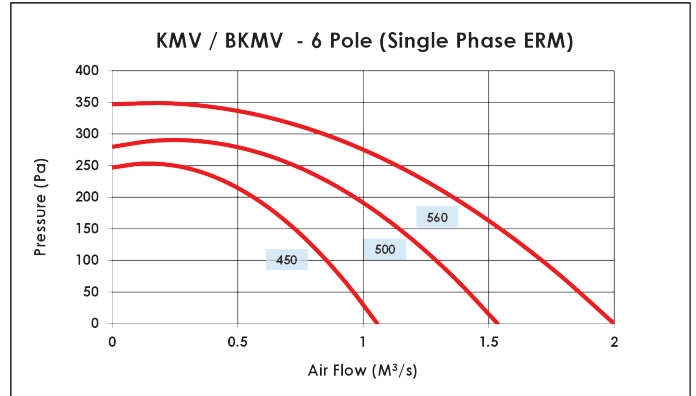
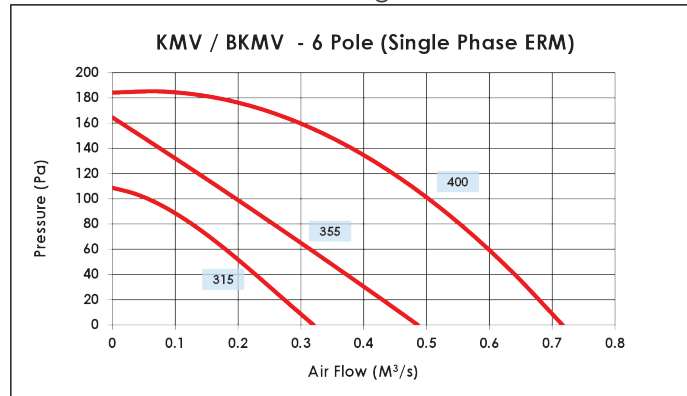
Fan Model	RPM	Voltage	Amps	kW	Sound Power Level dB referred to 10 ⁻¹² W Type C: ducted inlet, free out (LWj)								
					63	125	250	500	1K	2K	4K	8K	dB(A) @ 3m
KMV315-4EE	1430	240	0.5	0.115	71	70	65	66	58	53	49	47	45
KMV315-6EE	960	240	0.5	0.06	67	65	59	60	53	47	43	41	39
KMV355-4EE	1420	240	1.12	0.245	76	74	71	62	54	52	50	43	45
KMV355-6EE	870	240	0.31	0.07	67	64	64	58	51	46	44	40	39
KMV400-4EE	1370	240	2.4	0.48	71	76	73	67	63	57	57	53	49
KMV400-6EE	895	240	0.68	0.155	63	68	65	59	55	49	49	45	41
KMV450-4EE	1250	240	3	0.68	71	72	74	71	66	61	60	49	51
KMV450-6EE	930	240	1.42	0.3	71	70	63	63	55	54	50	40	43
KMV500-4EE	1375	240	5.2	1.43	73	77	77	74	71	67	64	59	55
KMV500-6EE	905	240	2.2	0.5	65	69	69	66	63	59	56	51	47
KMV560-6EE	885	240	4.35	0.78	64	69	66	66	63	56	55	52	47

Fan Performance - ERM - Single Phase



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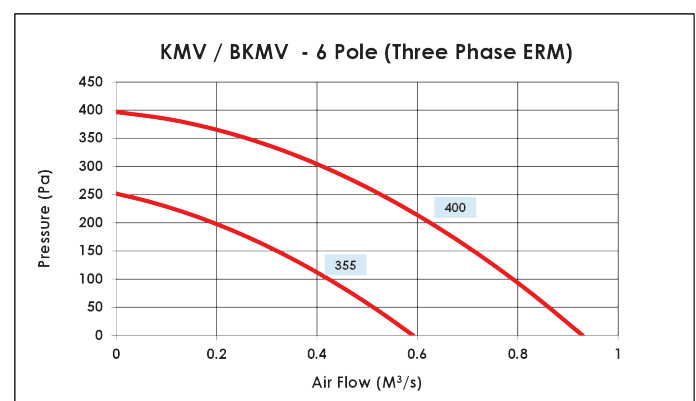
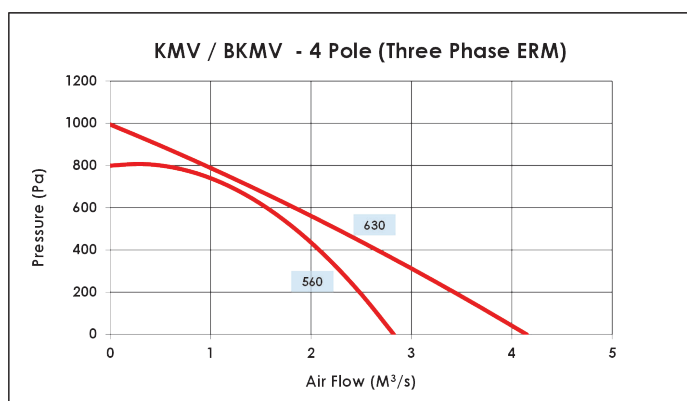
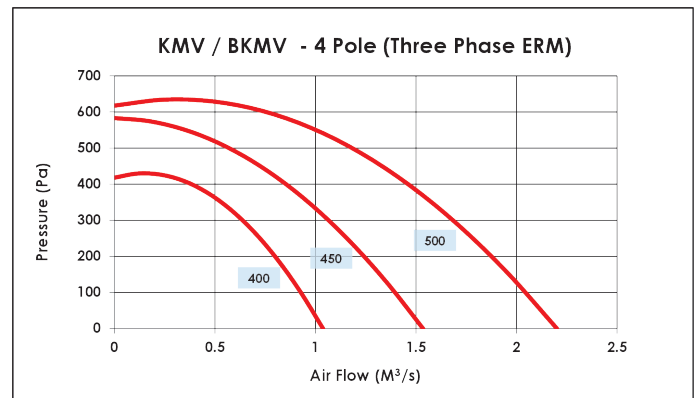
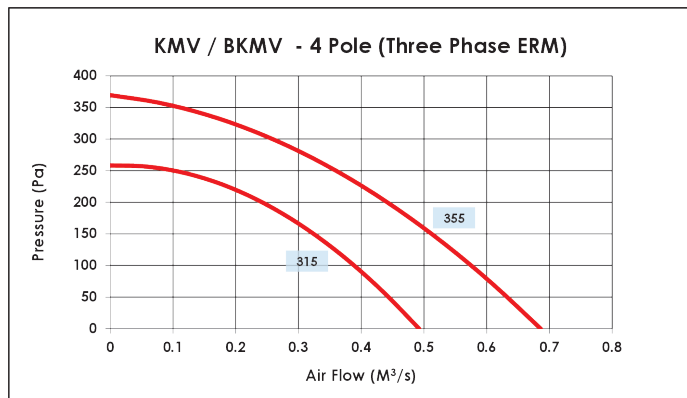
Fan Performance - ERM - Single Phase



Fan Data - ERM - Three Phase

Fan Model	RPM	Voltage	Amps	kW	Sound Power Level dB referred to 10 ⁻¹² W Type C: ducted inlet, free out (LWI)								
					63	125	250	500	1K	2K	4K	8K	dB(A) @ 3m
KMV315-4DE	1420	415	0.35	0.125	71	70	65	66	58	53	49	47	45
KMV355-4DE	1400	415	0.52	0.17	76	74	71	62	54	52	50	43	45
KMV355-6DE	1200	415	0.22	0.13	68	65	65	59	52	47	45	41	40
KMV400-4DE	1415	415	1.41	0.515	71	76	73	67	63	57	57	53	49
KMV400-6DE	1235	415	0.7	0.385	63	68	65	59	55	49	49	45	41
KMV450-4DE	1350	415	1.48	0.73	71	72	74	71	66	61	60	49	51
KMV450-6DE	930	415	0.75	0.29	71	70	63	63	55	54	50	40	43
KMV500-4DE	1380	415	2.8	1.45	73	77	77	74	71	67	64	59	55
KMV500-6DE	915	415	1.2	0.52	65	69	69	66	63	59	56	51	47
KMV560-4DE	1350	415	4.7	2.41	76	81	78	78	75	68	67	64	59
KMV560-6DE	890	415	1.68	0.78	64	69	66	66	63	56	55	52	47
KMV630-4DE	1170	415	10.74	3.31	88	86	87	83	81	76	73	69	65
KMV630-6DE	880	415	2.8	1.31	73	72	73	69	64	62	59	55	50
KMV710-6DE	910	415	4.1	2.1	87	84	82	75	73	71	65	61	58
KMV710-8DE	715	415	2.6	1.4	81	78	76	66	65	60	59	55	51

Fan Performance - ERM - Three Phase



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Fan Performance - ERM - Three Phase

