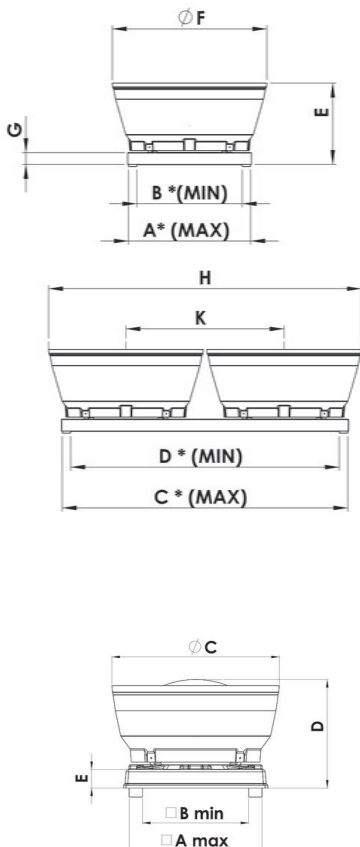


## RCV/TCV Series - roof mount centrifugal



### Suggested Specification

Roof Centrifugal Exhaust type fans shall be of the RCV Series manufactured by Pacific HVAC Engineering. Backward curved impellers shall be driven by external rotor motors with sealed for life bearings. Fan bases, wind bands and caps shall be weather proof and fabricated from UV resistant ABS polymer. All fans shall be fully tested in accordance with the requirements of ISO 5801 : 2007 for air flow and ISO 13347 : 2004 for sound.



product RCV/TCV Roof Mount Centrifugal		
dimensions mm Up to 710	poles & duty 4 - 6 / up to 4,200 L/s	
application A general purpose centrifugal range for extract ventilation.		

### RCV/TCV

The RCV/TCV series of vertical and horizontal discharge roof fans incorporate improved design features as well as revised base dimensions to allow drop in replacement of commonly encountered roof fans. TCV models are twin versions of the RCV series for applications requiring installed redundant capacity.

### Construction

Components are made from UV stabilised polymer, corrosion protected steel and fibreglass. All models are fitted with bird mesh as standard. Available in optional Colorbond™ colours.

### Motors

Motor windings incorporate class 'B' or 'F' insulation as standard. Motor bearings are sealed for life and maintenance free. Integral thermal overload protection is generally not provided and is the responsibility of the installing electrical contractor.

### 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](http://www.pacificHVAC.com) It is a condition of our warranty that all equipment supplied is installed according to the requirements of AS/NZS3000:2007 Australian/New Zealand wiring rules.

TCV	Size	A	B	C	D	E	F	G	G	K	Max kg
	280	350	300	940	890	300	500	55	1030	530	22
	315	350	300	940	890	300	500	55	1030	530	25.2
	355	500	400	1150	1050	365	630	55	1280	650	25
	400	500	400	1150	1050	365	630	55	1280	650	31.7
	450	720	620	1680	1580	480	910	70	1840	930	53
	500	720	620	1680	1580	480	910	70	1840	930	75
	560	720	620	1680	1580	480	910	70	1840	930	86.5
	630/710	810	710	2290	2190	619	1196	70	2370	1230	130/166

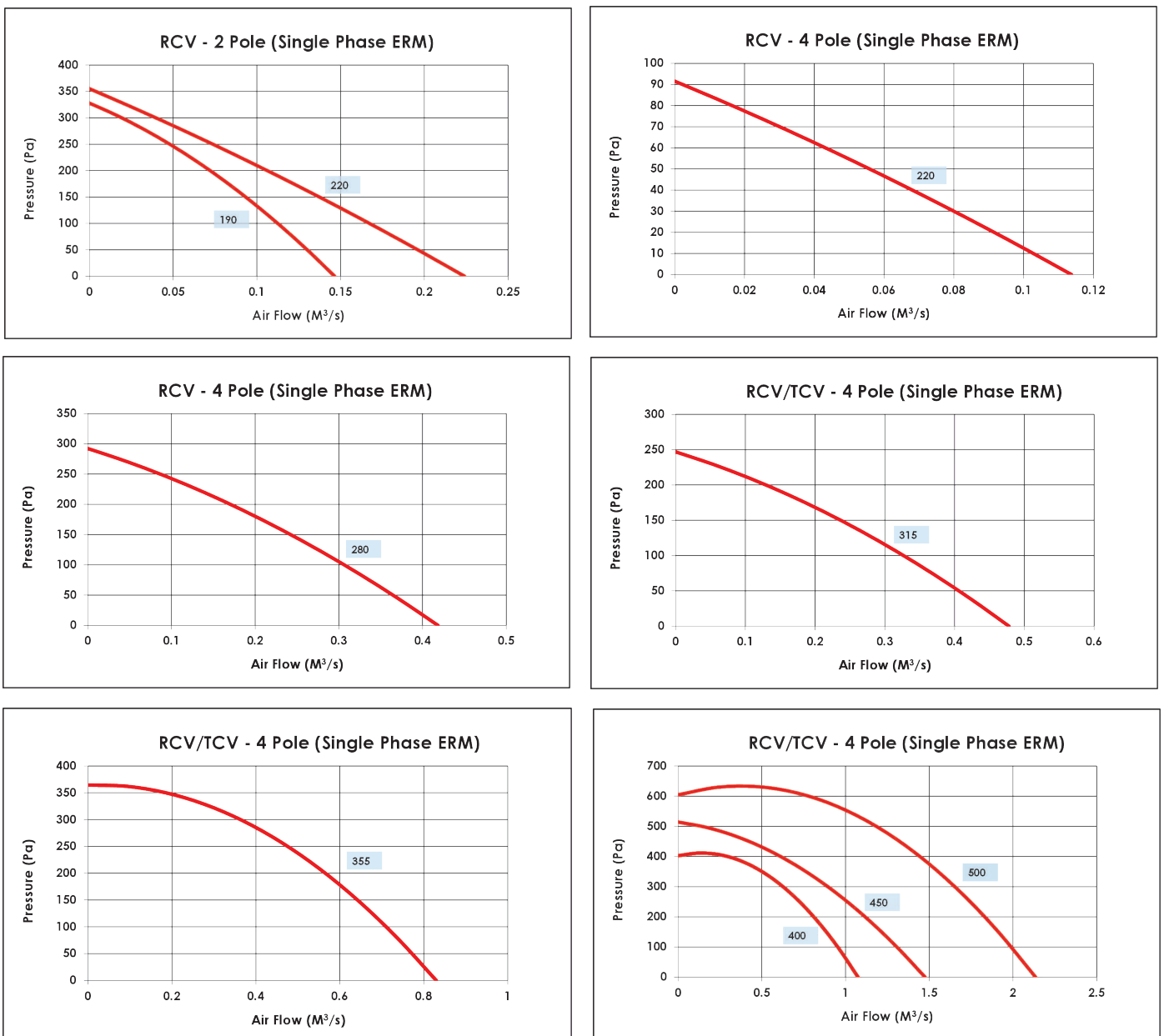
RCV	Size	A	B	C	D	E	Max kg
	190/220	265	215	400	250	70	7/8
	280/315	395	345	500	300	50	10/12
	355	500	400	630	396	70	12
	400	500	400	630	410	70	15
	450/500	720	620	910	510	80	25/36
	560	720	620	910	515	80	41
	630	810	710	1192	635	80	62
	710	810	710	1192	650	80	79

## RCV/TCV Series - roof mount centrifugal

### Fan Data - ERM - Single Phase

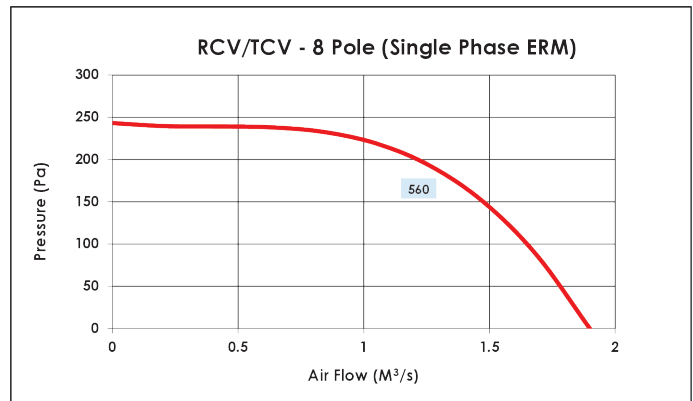
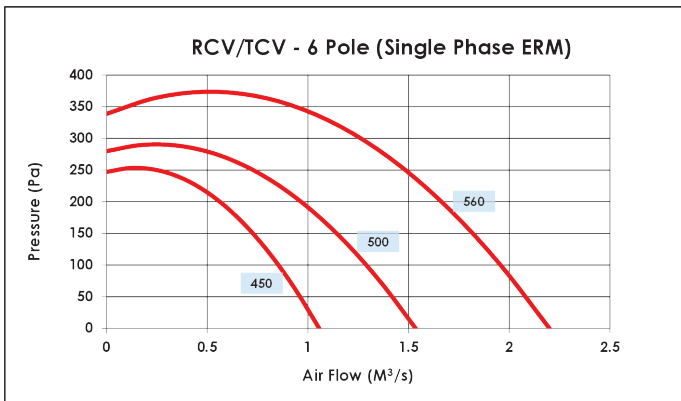
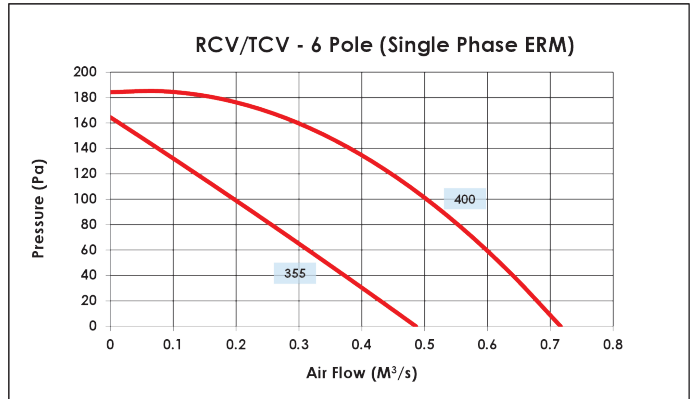
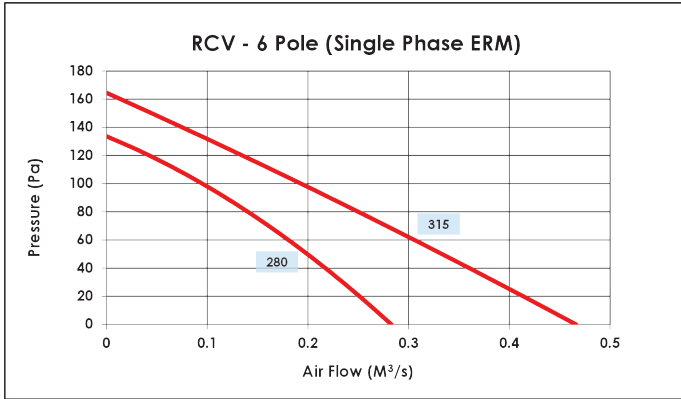
Fan Model	RPM	Voltage	Amps	kW	Sound Power Level dB referred to 10 <sup>-12</sup> W Type C: ducted inlet, free out (LWi)								dB(A) @ 3m
					63	125	250	500	1K	2K	4K	8K	
RCV190-2E	2350	240	0.23	0.052	64	65	60	57	56	54	49	45	40
RCV220-2E	2600	240	0.38	0.085	82	80	74	68	65	65	59	55	51
RCV220-4E	1380	240	0.25	0.05	67	65	59	53	50	50	44	40	36
RCV/TCV 280-4E	1420	240	0.35	0.078	75	70	67	62	55	52	51	48	43
RCV/TCV 280-6E	960	240	0.35	0.038	67	62	60	54	47	44	43	40	35
RCV/TCV 315-4E	1430	240	0.5	0.115	71	70	65	66	58	53	49	47	45
RCV/TCV 315-6E	960	240	0.5	0.06	67	65	59	60	53	47	43	41	39
RCV/TCV 355-4E	1420	240	1.12	0.245	76	74	71	62	54	52	50	43	45
RCV/TCV 355-6E	870	240	0.31	0.07	67	64	64	58	51	46	44	40	39
RCV/TCV 400-4E	1370	240	2.4	0.48	71	76	73	67	63	57	57	53	49
RCV/TCV 400-6E	895	240	0.68	0.155	63	68	65	59	55	49	49	45	41
RCV/TCV 450-4E	1250	240	3	0.68	71	72	74	71	66	61	60	49	51
RCV/TCV 450-6E	930	240	1.42	0.3	71	70	63	63	55	54	50	40	43
RCV/TCV 500-4E	1375	240	5.2	1.43	73	77	77	74	71	67	64	59	55
RCV/TCV 500-6E	905	240	2.2	0.5	65	69	69	66	63	59	56	51	47
RCV/TCV 560-6E	880	240	2.8	0.61	64	69	66	66	63	56	55	52	47
RCV/TCV 560-8E	720	240	1.6	0.34	59	64	61	61	58	51	50	47	42

### Fan Performance - ERM - Single Phase



## RCV/TCV Series - roof mount centrifugal

### Fan Performance - ERM - Single Phase



### Fan Data - ERM - Three Phase

Fan Model	RPM	Voltage	Amps	kW	Sound Power Level dB referred to 10 <sup>-12</sup> W Type C: ducted inlet, free out (LWf)								dB(A) @ 3m
					63	125	250	500	1K	2K	4K	8K	
RCV/TCV 315-4D	1420	415	0.35	0.125	71	70	65	66	58	53	49	47	45
RCV/TCV 315-6D	1250	415	0.15	0.085	67	65	59	60	53	47	43	41	39
RCV/TCV 355-4D	1400	415	0.52	0.17	76	74	71	62	54	52	50	43	45
RCV/TCV 355-6D	1140	415	0.35	0.21	68	65	65	59	52	47	45	41	40
RCV/TCV 400-4D	1415	415	1.41	0.515	71	76	73	67	63	57	57	53	49
RCV/TCV 400-6D	1235	415	0.7	0.385	63	68	65	59	55	49	49	45	41
RCV/TCV 450-4D	1350	415	1.48	0.73	71	72	74	71	66	61	60	49	51
RCV/TCV 450-6D	930	415	0.75	0.29	71	70	63	63	55	54	50	40	43
RCV/TCV 500-4D	1380	415	2.8	1.45	73	77	77	74	71	67	64	59	55
RCV/TCV 500-6D	915	415	1.2	0.52	65	69	69	66	63	59	56	51	47
RCV/TCV 560-4D	1350	415	4.7	2.41	76	81	78	78	75	68	67	64	59
RCV/TCV 560-6D	890	415	1.68	0.78	64	69	66	66	63	56	55	52	47
RCV/TCV 630-4D	1170	415	10.74	3.31	88	86	87	83	81	76	73	69	65
RCV/TCV 630-6D	880	415	2.8	1.31	73	72	73	69	64	62	59	55	50
RCV/TCV 710-6D	910	415	4.1	2.1	87	84	82	75	73	71	65	61	58
RCV/TCV 710-8D	715	415	2.6	1.4	81	78	76	66	65	60	59	55	51
RCV/TCV 710-1D	556	415	2.6	0.658	74	71	69	59	58	53	52	48	44

## RCV/TCV Series - roof mount centrifugal

Fan Performance - ERM - Three Phase

