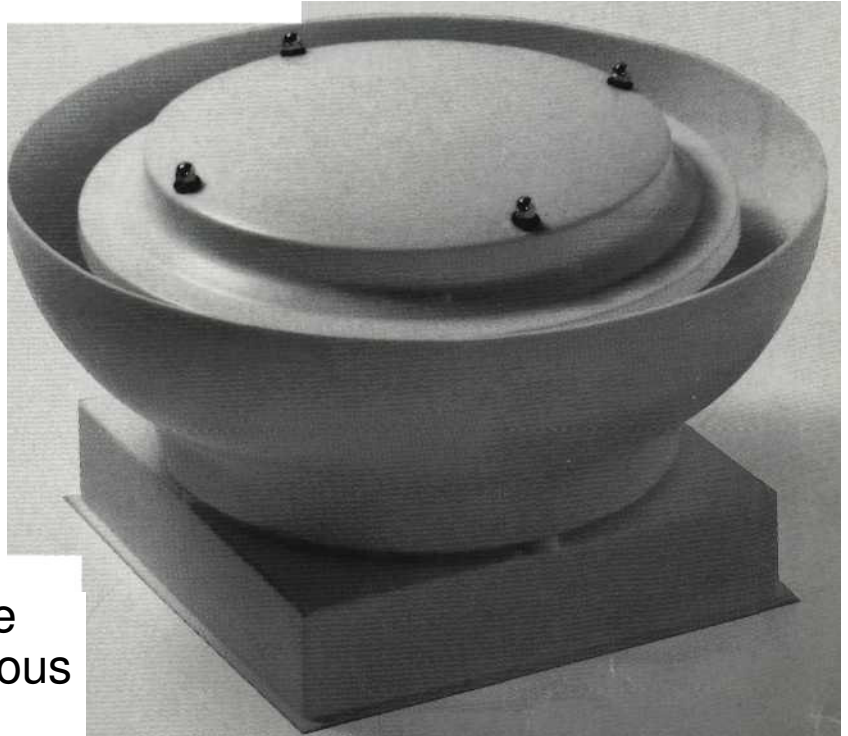




Vertical Discharge Roof Exhaust Unit

Air Technology Australia offer an extensive range of ultra low silhouette vertical discharge roof exhaust fans designed and manufactured in Australia. They will operate efficiently in the most arduous environmental conditions.



To ensure long service life, materials used in construction have been specially selected and subjected to rigorous testing. High efficiency, backward curved centrifugal impellers, direct driven by compact external rotor motors are just one of the many features of these units.

The unit casings are moulded from premium quality glass reinforced polyester and contain UV resistant resins to extend service life. Some sizes are available in rotational moulded, UV resistant, high density polyethylene. Both of these modern materials provide excellent resistance to atmospheric corrosion, are lightweight and extremely strong.

A weather skirt, providing overflashing for the roof mounting curb, is incorporated in the unit base.

The external rotor motors are available single phase or three phase as indicated. Some three phase models are available for Zone 1 Class 1 applications approved to AS1953 Ex'e'. All models except Ex'e' are speed controllable and a full range of electronic stepless controls, 5 step transformer controls and star delta switches are available.

All vertical discharge roof units in the range include galvanised wire birdmesh as standard and all fastenings and brackets are suitably treated against corrosion. Epoxy coating of metal components is available as an optional extra for additional protection.

Our units are factory assembled to exacting tolerances producing consistently high quality, reliable performance and low noise levels.



Ordering Code and Examples

D **310-4** - **UFEX**

DF310-4 - **UFEX**

DF310-4 - **UFEX**

Nominal Impeller Diameter

Vertical Discharge

D **310-4** - **UFEX**

DF310-4 - **UFEX**

DF310-4 - **UFEX**

Electrical Characteristics

D - 415V/3/50
E - 240V/1/50

No. of Poles

2 - Nominal 2800 rpm
4 - Nominal 1400 rpm
6 - Nominal 900 rpm
8 - Nominal 700 rpm

Special Requirements

EX - Ex'e' motor
EC - Epoxy coating

Notice: All information, dimensions, performance figures and charts are given by us in good faith and are to be treated as a guide only. We reserve the right to modify, change or alter dimensions and performance at any time and without prior notification.

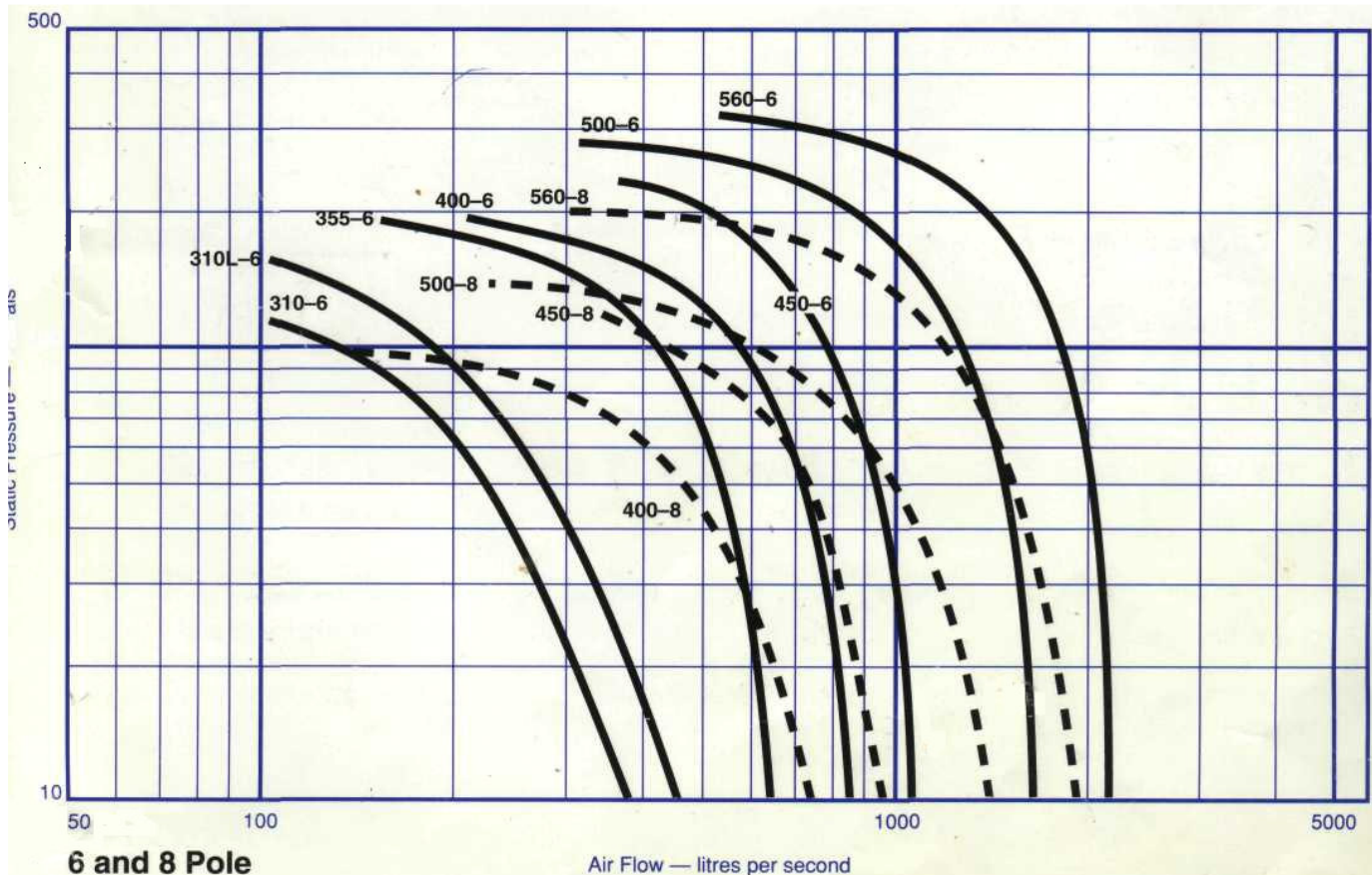
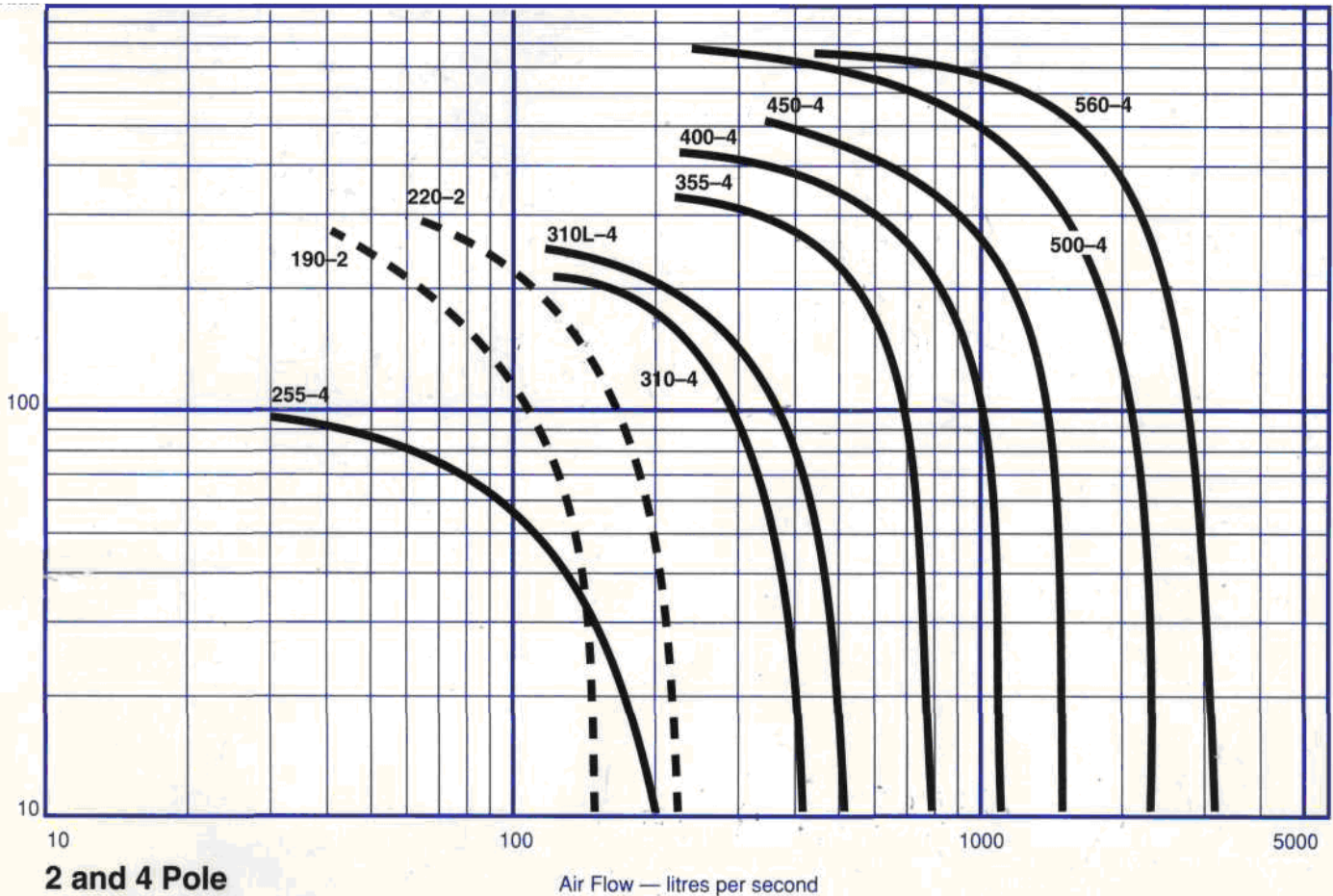
Unit Size	Model No.	rpm	Peak kW	Amps	Capacitor μ F	dBA at 3m	Speed Controllers Y/ Δ	∇ / Δ
1	E190-2	2150	0.084	0.37	2	52		●
1	E220-2	2520	0.075	0.35	3	54		●
1	E225-4	1400	0.05	0.25	5	45		●
2	E310-4	1380	0.11	0.55	4	52		●
2	E310L-4	1340	0.14	0.63	5	53		●
2	E310L-6	1050	0.1	0.46	1.5	48		●
2	D310-4 [Ex]	1380	0.2	0.2	-	53	●	
2	D310-6	1100	0.07	0.14	-	45	●	
3	E355-4	1300	0.29	1.4	8	56		●
3	E355-6	950	0.22	1.1	6	47		●
3	D355-4 [Ex]	1350	0.25	0.55	-	56	●	
3	D355-6 [Ex]	1050	0.14	0.32	-	47	●	
3	E400-4	1365	0.52	2.4	12	59		●
3	E400-6	860	0.18	0.83	5	51		●
3	E400-8	650	0.08	0.4	4	46		●
3	D400-4 [Ex]	1230	0.38	0.68	-	59	●	
3	D400-6	900	0.24	0.43	-	51	●	
3	D400-8	760	0.1	0.24	-	46	●	
4	E450-4	1330	0.74	3.5	16	63		●
4	E450-6	905	0.24	1.2	10	50		●
4	D450-4	1220	0.62	1.35	-	63	●	
4	D450-6	800	0.35	0.7	-	50	●	
4	D450-8	650	0.13	0.28	-	45	●	
4	E500-6	870	0.45	2.3	10	59		●
4	D500-4 [Ex]	1140	0.83	1.76	-	67	●	
4	D500-6	830	0.5	0.88	-	59	●	
4	D500-8	655	0.2	0.5	-	51	●	
4	D560-4 [Ex]	1345	1.9	3.5	-	71	●	
4	D560-6 [Ex]	1020	1.2	2.0	-	63	●	
4	D560-8	600	0.39	0.89	-	55	●	

Speed Controllers: Y/ Δ = Star Delta, ∇ / Δ = Electronic

[Ex] indicates explosion proof model available. Please check separate data sheet. All models are tested for performance and noise levels to International Standards.



Vertical Discharge Selection Guide





Sizes 1 to 4

Dimensions

Size	Model	A	B	C	D	E	WT(kg)
1	190	210	310	65	500	150	8
	220						9
	255						9
2	310	270	370	75	600	230	14
3	355	360	460	75	800	300	20
	365						20
	400						20
4	450						42
	500	520	620	75	1100	410	48
	560						55

Typical Wiring Details

Single Phase

Prewired Motors

Terminal Block

Three Phase

High Speed
(Δ) Delta Connection

Low Speed

(Y) Star Connection

Warning: Please check wiring details provided on unit supplied before connection.

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