A

FEATURES

The Compact 2000 Series of square plate axial fans can be mounted in any position. They are a high quality product suitable for a wide range of applications.

Construction
Metal construction with a high quality polyester epoxy finish as standard. Impellers have GRP blades; nylon and aluminium blades are an optional extra.

Motors
Type - squirrel cage induction motor.

Sizes 710 and 800 can be fitted with motors to suit virtually any specification.

Electricity supply - 220-240V, single or 415V, three-phase, 50Hz.

Bearings - sealed-for-life, ball.

Speed-controllable using electronic or auto-transformer.

Weatherproof to IP55.

Operating temperature range -20°C to +70°C. Maximum ambient when being speed-controlled is 40°C.

See pages *N-3/4* for details of these motors.

Some fans are fitted with 2-speed star/delta motors.

Internal Thermal Protection
Manual-reset protection is supplied as standard on models from 025 to 063; they are an optional extra on the 071 and 80 models.

Testing
Air flow tests to BS848:Part 1, 1980.
Noise tests to BS848:Part 2, 1985.

Special Features
Can be mounted at any angle.

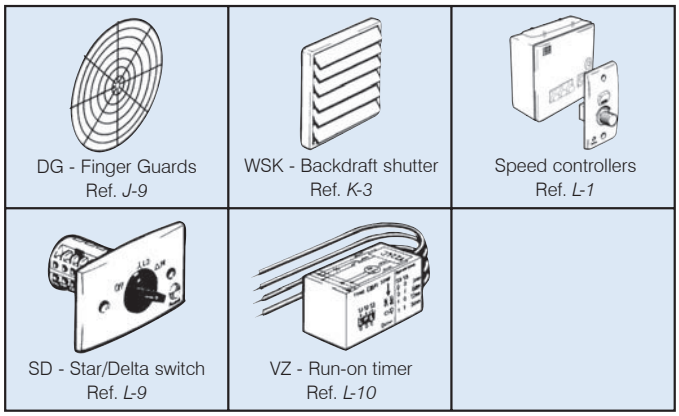
A full guard is fitted as standard to 025. to 063. units only. Guards on 071. to 080. units are an optional extra.

A flying lead with junction box and Ø20 flexible conduit is fitted as standard with the 025. to 063. units only.

Derate the performance by at least 25% if air flow direction is reverse to standard

Wiring Diagram
See page *M-6/7*, diagram DD 1, 4, 5, 6, 9.

ANCILLARY EQUIPMENT



SUGGESTED SPECIFICATION

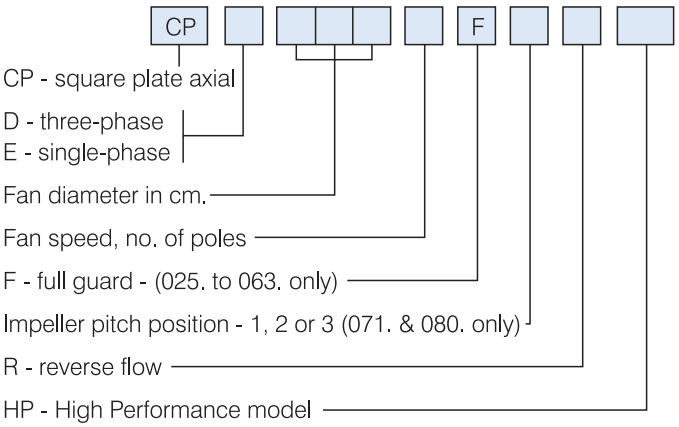
The Compact 2000 Series of plate mounted axial fans shall be as supplied by Fantech Pty. Ltd.

The axial impellers shall be of GRP and fitted with TECH-LOCK® bushes for easy removal and fitting.

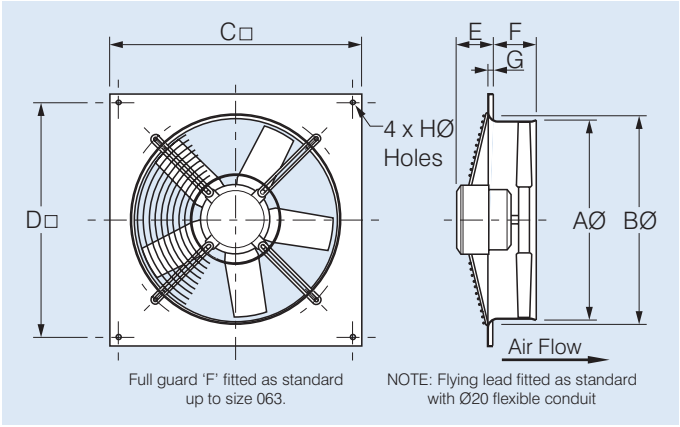
Square plates shall be of metal construction with a polyester epoxy finish.

All models shall be fully tested to BS848:Part 1, 1980 for air flow to BS848:Part 2, 1985 for noise.

HOW TO ORDER



DIMENSIONS



Full guard 'F' fitted as standard up to size 063.

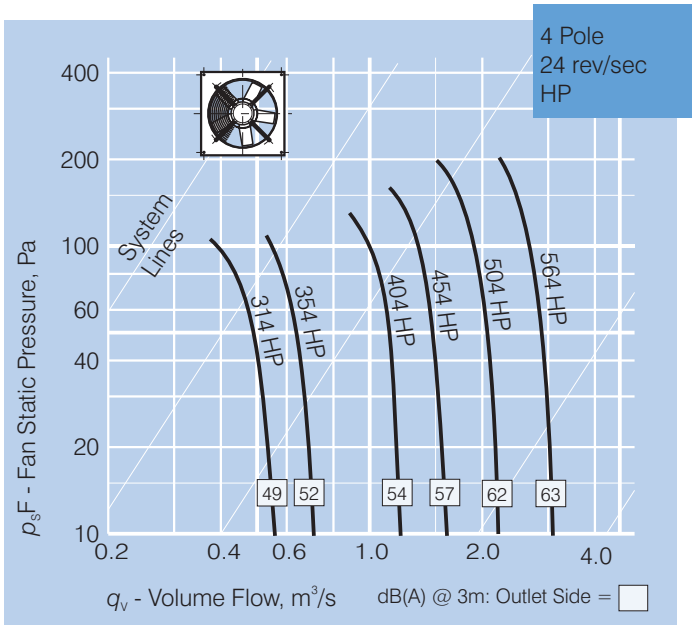
NOTE: Flying lead fitted as standard with Ø20 flexible conduit

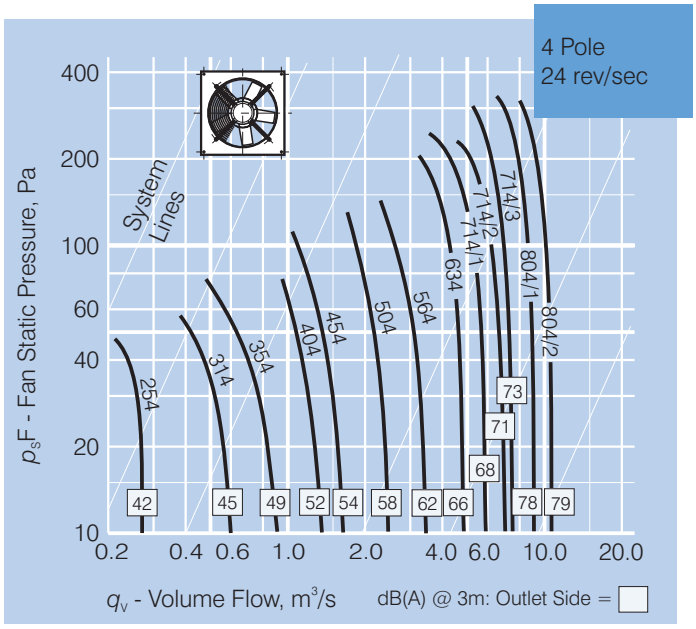
Model	Dimensions, mm								App. wt.	App. vol.
CP.	AØ	BØ	C□	D□	E	F	G	HØ	kg	m³
025.	263	285	370	320	98	74	15	6	5.5	0.03
031.	325	330	430	380	95	85	10	9	10	0.04
035.	360	370	485	435	95	85	10	9	10	0.05
040.	410	420	540	490	95	95	12	9	15	0.07
045.	460	470	575	535	95	95	12	11	17	0.08
050.	510	535	655	615	145	100	15	11	24	0.13
056.	575	600	725	670	145	100	15	11	27	0.16
063.	645	670	805	750	140	105	20	11	34	0.22
071.	716	760	850	810	*	98	22	14.5	37/61	0.40
080.	809	860	970	910	*	133	22	14.5	50/99	0.63

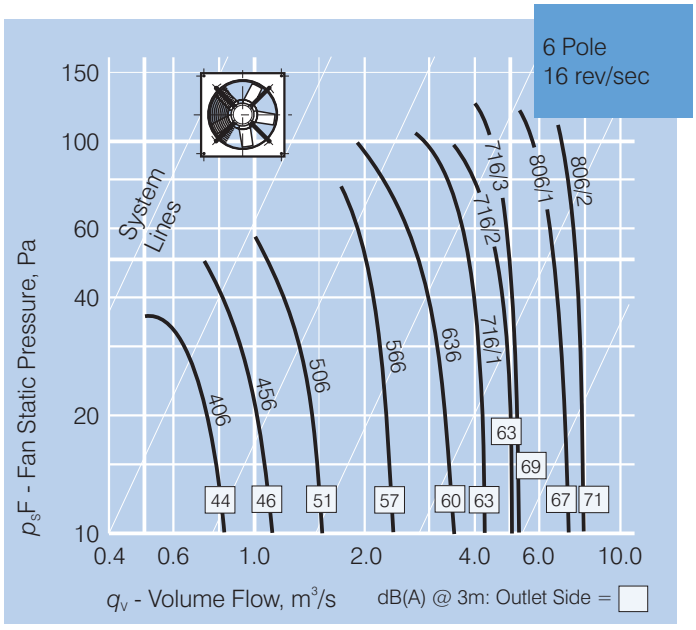
Motor Frame Size	* E
D90S	222
D90L	238
D100L	304
D112M	346
D132S	367
D132M	405

Note:-

The selections shown here are based on fixed pitch impellers. If units with different performances than those shown here are required, refer to the SQ Series on pages *A-15/17.*







TECHNICAL DATA & NOISE LEVELS

Model CP..	Nom. Speed r/s	Avg. dB(A) @ 3m	CPE.. 1 ph. kW	CPE.. 1 ph. Amps*	CPD.. 3 ph. Frame**	CPD.. 3 ph. kW	CPD.. 3 ph. Amps*	Max. amb °C	In-duct Sound Power Levels L_WdB re 1pW 63	125	250	500	1k	2k	4k	8k
0254	23	42	0.09	0.90	-	0.12	0.50	70Δ	66	64	61	60	56	55	51	45
0314	23	45	0.09	0.90	-	0.12	0.50	70Δ	69	67	63	63	60	57	53	49
0314HP	23	49	0.09	0.90	-	0.12	0.50	70Δ	65	69	69	62	65	64	57	44
0354	23	49	0.09	0.90	-	0.12	0.50	70Δ	71	70	65	67	66	59	55	54
0354HP	23	52	0.09	0.90	-	0.12	0.50	70Δ	68	72	72	65	68	67	60	47
0404	23	52	0.25	1.80	-	**0.37**	**1.40**	70Δ	71	72	68	70	69	64	61	56
0404HP	23	54	0.25	1.80	-	**0.37**	**1.40**	70Δ	68	70	70	69	71	69	61	52
0406	15	44	0.12	1.05	-	0.16	0.93	70Δ	67	63	66	63	61	53	48	43
0454	23	54	0.25	1.80	-	**0.37**	**1.40**	70Δ	74	75	72	71	70	67	64	56
0454HP	23	57	0.25	1.80	-	**0.37**	**1.40**	70Δ	71	73	73	72	74	72	64	55
0456	14	46	0.12	1.05	-	**0.18**	**0.68**	70Δ	66	64	66	64	61	58	54	45
0504	23	58	0.55	3.60	-	**0.55**	**1.75**	70Δ	77	81	78	73	72	72	69	62
0504HP	23	62	0.55	3.60	-	**0.55**	**1.75**	70Δ	73	74	74	76	79	76	74	62
0506	14	51	0.18	1.55	-	**0.25**	**0.94**	70Δ	72	67	69	68	69	63	57	51
0564	23	62	0.75	4.90	-	**0.75**	**2.00**	70Δ	81	83	80	79	78	75	73	67
0564HP	23	63	0.75	4.90	-	**0.75**	**2.00**	70Δ	76	74	77	78	80	77	75	66
0566	14	57	0.25	2.20	-	**0.25**	**0.94**	70Δ	76	73	76	76	73	71	60	56
0634	23	66	-	-	-	**1.50**	**4.30**	70Δ	81	82	86	84	80	78	77	72
0636	14	60	0.55	6.00	-	**0.55**	**2.00**	70Δ	83	80	78	77	76	73	68	59
0714/1	23	68	-	-	D100La	2.20	4.60	40	90	80	84	83	83	82	81	76
0714/2	23	71	-	-	D100Lb	3.00	6.20	40	87	84	87	87	86	84	84	75
0714/3	23	73	-	-	D112M	4.00	8.00	40	91	90	93	91	87	86	83	77
0716/1	16	63	-	-	D90S	0.75	2.20	40	85	79	77	83	78	73	71	63
0716/2	16	63	-	-	D90L	1.10	3.00	40	84	81	82	83	78	73	72	61
0716/3	16	69	-	-	D100L	1.50	3.30	40	90	84	85	89	86	79	72	68
0804/1	23	78	-	-	D132S	5.50	10.50	40	90	83	89	92	95	93	88	81
0804/2	23	79	-	-	D132M	7.50	15.80	40	96	93	94	95	94	93	89	82
0806/1	16	67	-	-	D100L	1.50	3.30	40	90	86	85	87	82	77	73	65
0806/2	16	71	-	-	D132S	3.00	6.30	40	92	84	88	89	87	84	78	69

* Amperages shown are a guide only, refer to our Sales Department for accurate figures at time of order.

** Use inverter controllers for variable speed.

Electrical data in **bold** type refers to fans that are fitted with 2-speed star/delta motors as standard. High speed data shown.

Δ Maximum ambient is 50°C when being speed controlled.

The In-duct Sound Power Levels are for the Outlet Side of the fan; Inlet Side values are generally 1-2 dB lower. The levels are based on the fans operating at approximately 50% of peak pressure.