

Model	A	B	C*	D	E	F	G	H	Weight kg.
SCP250	250	260	265	370	320	100	73	15	7.0
SCP315	315	325	360	430	380	85	88	15	8.0
SCP350	350	360	395	485	435	85	88	15	9.0
SCP400	400	410	450	540	490	84	99	15	13
SCP450	450	460	500	575	535	84	99	15	14
SCP500	500	510	560	655	615	140	99	15	20
SCP560	560	575	625	725	670	140	99	20	24
SCP630	630	645	705	805	750	140	101	20	30
SCP710	710	725	765	850	810	146	101	27	30
SCP800	800	820	870	970	910	146	101	27	36

Dimensions apply to both single and three phase fans.
For full fan code please see page 5.

* Minimum \varnothing to be cut out of partition, wall, etc. for ease of fitment

SPECIFICATION

General

The Compact plate axial fan SCP shall be from the Select range by Elta Fans Ltd. The all-metal fan casing and guard shall provide a long lasting robust construction. All parts shall be suitably treated to ensure full corrosion protection. Fan plates and motors shall have a powder coated, highly durable, polyester epoxy paint finish in pastel beige (RAL 7032). Guard shall be bright zinc plated.

Impeller Assemblies

Adjustable pitch aerodynamic impellers shall be provided, made from high quality GRP. These shall be factory set at an angle to provide maximum performance. Hubs shall be made from die cast aluminium alloy (LM24). Assembled impellers are to be balanced to grade G6.3.

Motors

Highly efficient, lightweight induction motors shall be provided, these will have sealed for life, maintenance free ball bearings. Each motor shall be matched to the aerodynamic performance of the impeller. Motors shall be Class F insulated to EN 60034-5, weatherproofed to IP55 and suitable for speed control. They shall have an integral thermal overload protection.

The fan shall be suitable for operating temperatures of up to +70°C fixed speed and +50°C when used with speed controllers.

Electrical connection to the motor shall be provided by an IP55 terminal box fitted to a 550mm long flying lead.

Quality Management

Units are to be designed and manufactured with procedures as defined in BS EN ISO 9001:2000. EEC Directives shall be met.

All SCP units are to be tested to ISO 5801:1997 (airside performance) and BS 848 pt 2:1985 (sound performance).

ACCESSORIES

- ◆ Speed Controllers
- ◆ Impeller Side Guards (recommended)
- ◆ Louvre Shutters

PLATE MOUNTED AXIAL FANS - SCP

compact



SINGLE PHASE - FIXED OR VARIABLE SPEED 220V-240V / 1PH / 50HZ

Product Code	Speed rpm	Airflow m³/sec @ Static Pressure Pa.								Motor Electrical Data			Speed Controllers		Sound Level dBA @ 3m
		0	25	50	75	100	125	150	200	FL Amps	SC Amps	Output kW	Electronic	Transformer	
SCP250/4-1	1455	0.35	0.29	0.22						0.90	1.45	0.09	EL13T	TC12	44
SCP315/4-1	1390	0.65	0.58	0.50						0.90	1.45	0.09	EL13T	TC12	48
SCP350/4-1	1330	0.88	0.77	0.66	0.54					0.90	1.45	0.09	EL13T	TC12	53
SCP400/4-1	1375	1.35	1.25	1.13	0.97					1.80	3.60	0.25	EL13T	TC14	56
SCP450/6-1	850	1.16	0.98	0.73						1.05	2.00	0.12	EL13T	TC12	50
SCP450/4-1	1300	1.65	1.55	1.43	1.25	1.10				1.80	3.60	0.25	EL13T	TC14	59
SCP500/6-1	860	1.55	1.40	1.10						1.55	3.50	0.18	EL13T	TC14	54
SCP500/4-1	1350	2.48	2.34	2.20	2.05	1.90	1.76			3.60	10.8	0.55	EL16T	TC18	62
SCP560/6-1	875	2.40	2.20	2.05	1.70					2.20	5.50	0.25	EL13T	TC14	58
SCP560/4-1	1350	3.45	3.25	3.10	2.90	2.60	2.35			4.90	15.0	0.75	EL16T	TC18	65
SCP630/6-1	850	3.55	3.20	2.80	2.40	1.90				6.00	12.6	0.55	EL16T	TC18	59
SCP630/4-1	1310	4.16	4.06	3.95	3.84	3.71	3.57	3.42	3.04	7.90	19.75	1.1	-----	TC110	68

THREE PHASE - FIXED OR VARIABLE SPEED 380V-415V / 3PH / 50HZ

Product Code	Speed rpm	Airflow m³/sec @ Static Pressure Pa.								Motor Electrical Data			Speed Controllers	Sound Level dBA @ 3m
		0	25	50	75	100	125	150	200	FL Amps	SC Amps	Output kW	Transformer	
SCP315/4-3	1390	0.65	0.58	0.50						0.50	1.15	0.12	TC33	48
SCP350/4-3	1330	0.88	0.77	0.66	0.54					0.50	1.15	0.12	TC33	53
SCP400/4-3	1375	1.35	1.25	1.13	0.97					1.40	4.50	0.37	TC33	56
SCP450/6-3	850	1.16	0.98	0.73						0.68	1.70	0.18	TC33	50
SCP450/4-3	1300	1.65	1.55	1.43	1.25	1.10				1.40	4.50	0.37	TC33	59
SCP500/6-3	830	1.55	1.40	1.10						0.94	2.40	0.25	TC33	54
SCP500/4-3	1320	2.48	2.34	2.20	2.05	1.90	1.76			1.75	6.20	0.55	TC33	62
SCP560/6-3	830	2.40	2.20	2.05	1.70					0.94	2.40	0.25	TC33	58
SCP560/4-3	1320	3.45	3.25	3.10	2.90	2.60	2.35			2.00	7.50	0.75	TC35	65
SCP630/6-3	850	3.55	3.20	2.80	2.40	1.90				1.90	5.80	0.55	TC35	59
SCP630/4-3	1320	4.75	4.65	4.54	4.40	4.25	4.05	3.80	3.30	4.30	15.5	1.5	TC35	68
SCP710/6S-3	720	3.87	3.46	3.03	2.48					1.50	5.40	0.50	TC33	56
SCP710/6D-3	880	4.67	4.39	4.09	3.76	3.37				3.40	12.3	1.1	TC35	60
SCP710/4S-3	1380	6.00	5.76	5.49	5.23	4.97	4.69	4.37		4.30	15.5	1.5	TC35	69
SCP800/6S-3	620	4.70	4.13	3.52						1.50	5.40	0.50	TC33	53
SCP800/6D-3	820	6.18	5.79	5.39	4.95	4.41				3.40	12.3	1.1	TC35	67

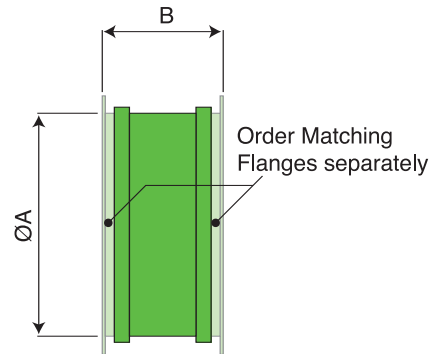
Sound levels are average spherical free field values (for comparative use only). Value at 50% peak pressure. Performance data shown is applicable to nominal running speeds as appropriate. All 3Ph electrical data stated at 400V.

Inverters are fully enclosed in an IP55 enclosure c/w with control knob and RFI filters.

5 Performance & Electrical Data

Products detailed within this data sheet represent the stocked range of Elta Compact Fans. Many more options, selections and sizes are available on a made to order basis.

FLEXIBLE COLLAR & CLIPS



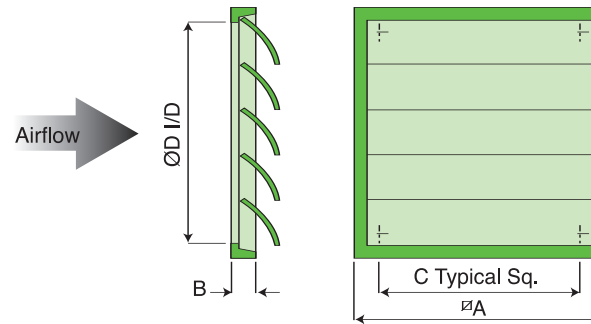
Fan Dia.	A	B
250	253	150
315	318	150
350	353	150
400	403	150
450	453	150
500	503	150
560	563	150
630	633	150

Fits directly to matching flanges so as to provide a flexible interconnection with any matched interface e.g. ducting. Supplied individually, complete with band fixings.

Material & finish

PVC coated polyester, plated steel banding.
- Alternative materials available to order.

LOUVRE SHUTTERS



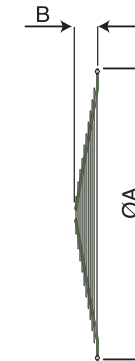
Fan Dia.	A	B	C	D
250	294	26	232	260
315	347	26	276	310
350	397	26	310	360
400	459	26	364	420
450	501	26	395	460
500	549	31	445	510
560	605	31	626	-----
630	696	43	722	-----
710	760	43	722	-----
800	840	40	772	-----

All-weather louvre with vanes that open automatically when fan airflow commences. Fits independently of fan (ideally wall mounted downstream of fan). Supplied with screw fixings.

Material & finish

Durable polypropylene in light grey.

IMPELLER GUARDS



Fan Dia.	A	B
250	270	17
315	335	21
350	270	23
400	420	26
450	470	29
500	520	32
560	585	32
630	655	40
710	730	50
800	820	50

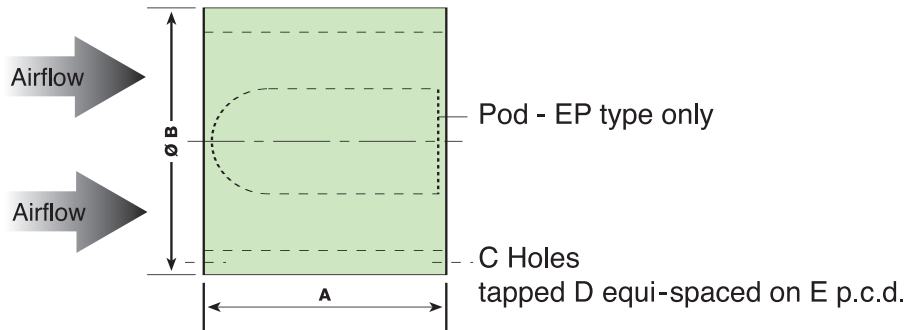
Fits to SCP venturi casing outlet with clips. Affords protection to the rotating impeller.

Material & finish

Bright zinc plated steel.

Note: For product codes please refer to price list

SILENCERS



Fan Dia.	A 1D	A 2D	B	C	D	E	Estimated Weight kg.			
							1DENP	1DEP	2DENP	2DEP
250	250	500	350	8	M8	286	7	9	11	13
315	315	630	415	8	M8	356	9	11	15	17
350	350	700	450	8	M8	395	11	13	18	21
400	400	800	500	12	M8	436	13	16	22	26
450	450	900	600	12	M8	487	15	18	27	31
500	500	1000	650	12	M8	541	18	22	32	37
560	560	1120	710	16	M10	605	22	26	39	46
630	630	1260	780	16	M10	674	26	32	48	57

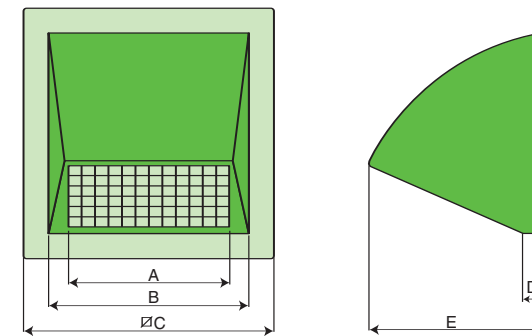
Four variants of silencers are available. 1DENP and 2DENP are a straight through design whilst 1DEP and 2DEP contain a cylindrical centrebody for enhanced attenuation. This latter type incurs an airside pressure drop. Silencers are supplied less fixings.

Material & finish

Pre-galvanised steel sheet casing and perforated lining. High density mineral wool in-fill with glass tissue facing. These silencers are not suited to saturated conditions - Refer to Elta.

Note: For product codes please refer to price list

WALL COWLS



Fan Dia.	A	B	C	D	E
250	340	410	500	30	325
315	340	410	500	30	325
350	430	510	610	30	390
400	430	510	610	30	390
450	560	645	755	30	470
500	560	645	755	30	470
560	690	815	935	30	555
630	690	815	935	30	555

Wall Cowls have been designed to protect extract fan openings from prevailing weather conditions. The shape minimises resistance to airflow.

Material & finish

Manufactured from GRP - colour impregnated into Gel coat. Complete with integral bird screen (galvanised mesh).