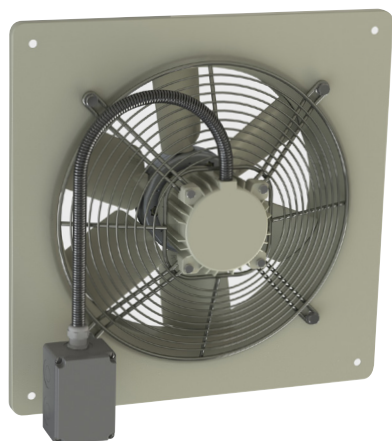
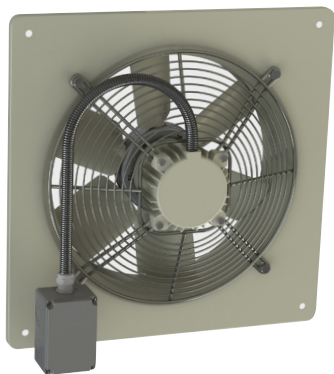




COMPACT SCP

Product Brochure



COMPACT SCP

Plate Mounted Axial Flow Fan

For full detailed information on the following:
Sound Data, Accessories & Wiring Data
and **Optimum Energy Efficiency Point**
please visit eltaselect.com.

QUICK FACTS

- ✓ 10 standard sizes from 250mm to 800mm.
- ✓ Air volume flow rates up to 5.61 m³/s.
- ✓ Static pressures up to 234 Pa.
- ✓ Highly efficient, lightweight induction motors.
- ✓ Available in **AC**. Fully speed controllable.

CASING

The all metal fan casing and guard provide a long lasting and robust construction.

The units have been constructed from mild steel and suitably treated to ensure full corrosion protection. The guard shall be bright zinc plated. Fan plates and motors shall have a powder coated polyester epoxy paint finish in pastel beige (RAL 7032).

IMPELLER

Adjustable pitch aerofoil impellers are provided with blades made from high quality GRP.

Impellers are factory set at an angle to provide maximum performance. The hubs are manufactured from die cast aluminium alloy (LM24).

Assembled impellers are to be dynamically balanced to ISO 14694 Grade G6.3.

MOTORS

Three phase multi-voltage motors are wound for either (Delta) 230V/3Ph/50Hz or (Star) 400V/3Ph/50Hz connection, suitable for speed control when used with the Eltadrive VSD range of frequency inverter controls.

Fans are suitable for operating temperatures between -20°C and +70°C fixed speed and -20°C and +50°C when used with a speed controller. 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 9001:2008.

All SCP units are to be tested to ISO 5801:2007 (airside performance) and BS 848 Part 2:1985 (sound performance).

TYPICAL APPLICATIONS

- Factories
- Sports Halls
- Shops
- Industrial Units
- Warehousing
- Schools
- Kitchens

ACCESSORIES

For full accessories & controls information please visit eltaselect.com



Electronic Controller
Product Code: 149-EL, 149-POT



Transformer Controller
Product Code: 149-TC



Inverter
Product Code: 149-ODE



Louvre Shutter
Product Code: 064



Impeller Side Guard
Product Code: 078C



Wall Cowl
Product Code: SWC

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COMPACT SCP

Performance, SFP & Electrical Data



SINGLE Phase - 220V to 240V / 50Hz

Product Code	Speed r/min	Airflow SFP	Airflow m³/s @ Static Pressure Pa.						Overall Efficiency %	FMEG N	Motor Electrical Data		dBA @ 3m	
			0	25	50	75	100	150			Peak Amps	Input kW		
SCP250/4-1AC	1445	m³/s	0.265	0.239	0.186				12	<125W	0.38	0.080	Inlet	42
		W/(L/s)	0.28	0.32	0.42								Outlet	42
SCP315/4-1AC	1370	m³/s	0.557	0.514	0.435	0.355			22.7	<125W	0.56	0.120	Inlet	50
		W/(L/s)	0.20	0.22	0.26	0.34							Outlet	49
SCP350/4-1AC	1360	m³/s	0.679	0.602	0.523	0.411			25.6	<125W	0.65	0.120	Inlet	50
		W/(L/s)	0.15	0.19	0.23	0.30							Outlet	50
SCP500/4-1AC	1300	m³/s	1.881	1.783	1.638	1.474	1.267		31.2	40	1.82	0.411	Inlet	58
		W/(L/s)	0.19	0.21	0.24	0.28	0.32						Outlet	57
SCP560/4-1AC	1315	m³/s	3.349	3.198	3.029	2.840	2.625	2.080	34.4	41	4.90	0.920	Inlet	58
		W/(L/s)	0.26	0.28	0.30	0.32	0.35	0.44					Outlet	62
SCP630/4-1AC	1295	m³/s	4.776	4.586	4.376	4.150	3.903	3.289	34.8	40	6.50	1.446	Inlet	63
		W/(L/s)	0.29	0.31	0.33	0.35	0.38	0.45					Outlet	65

Data in accordance with ErP 327/2011 of the European Parliament. Measurement category used to determine energy efficiency: A.

Data provided at standard air density of 1.2 kg/m³.

The overall A-weighted sound pressure level is at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20µPa and is presented for comparative purposes only.

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COMPACT SCP

Performance, SFP & Electrical Data



THREE Phase - 380V to 415V / 50Hz

Product Code	Speed r/min	Airflow SFP	Airflow m³/s @ Static Pressure Pa.								Overall Efficiency %	FMEG N	Motor Electrical Data			dBA @ 3m	
			0	25	50	75	100	150	200	250			Peak Amps	Input kW	Δ / Y		
SCP250/4-3AC	1460	m³/s	0.330	0.273	0.221						12.6	<125W	0.32	0.090	Mains	Inlet	42
		W/(L/s)	0.26	0.32	0.40											Outlet	42
SCP315/4-3AC	1445	m³/s	0.515	0.491	0.426	0.355					21.9	<125W	0.34	0.120	Mains	Inlet	50
		W/(L/s)	0.21	0.23	0.28	0.35										Outlet	49
SCP350/4-3AC	1440	m³/s	0.616	0.570	0.515	0.407	0.243				25.8	<125W	0.34	0.120	Mains	Inlet	50
		W/(L/s)	0.16	0.19	0.23	0.30	0.49									Outlet	50
SCP400/4-3AC	1400	m³/s	1.455	1.375	1.268	1.133	0.988				31.5	40	0.68	0.328	Mains	Inlet	51
		W/(L/s)	0.21	0.23	0.25	0.29	0.34									Outlet	55
SCP450/4-3AC	1390	m³/s	1.455	1.375	1.268	1.133	0.988				32.6	41	0.68	0.380	Mains	Inlet	53
		W/(L/s)	0.21	0.23	0.25	0.29	0.34									Outlet	58
SCP450/4B-3AC	1375	m³/s	2.081	1.976	1.863	1.712	1.535				33.3	41	0.96	0.519	Mains	Inlet	53
		W/(L/s)	0.24	0.25	0.27	0.30	0.34									Outlet	58
SCP500/4-3AC	1405	m³/s	2.639	2.525	2.394	2.245	2.075	1.646			34.5	41	1.35	0.730	Mains	Inlet	57
		W/(L/s)	0.26	0.27	0.29	0.32	0.35	0.44								Outlet	61
SCP500/6-3AC	930	m³/s	1.518	1.339	1.102						29.3	40	0.94	0.200	Mains	Inlet	50
		W/(L/s)	0.12	0.27	0.29											Outlet	52
SCP560/4-3AC	1410	m³/s	3.322	3.185	3.029	2.851	2.412				38.9	45	1.90	0.970	Mains	Inlet	60
		W/(L/s)	0.27	0.29	0.31	0.33	0.40									Outlet	64
SCP560/6-3AC	880	m³/s	2.162	1.924	1.616	1.159					30.7	40	0.94	0.290	Mains	Inlet	54
		W/(L/s)	0.12	0.15	0.18	0.25										Outlet	56
SCP630/4-3AC	1420	m³/s	4.590	4.437	4.271	4.096	3.914	3.502	2.881		42.5	48	2.70	1.370	Mains	Inlet	65
		W/(L/s)	0.26	0.28	0.30	0.32	0.34	0.39	0.47							Outlet	67
SCP630/6-3AC	915	m³/s	3.399	3.185	2.958	2.672	2.273				32.7	40	2.00	0.710	Mains	Inlet	55
		W/(L/s)	0.19	0.21	0.23	0.27	0.31									Outlet	57
SCP710/4/6-3AC	1346	m³/s	4.978	4.799	4.610	4.408	4.187	3.626	2.185		35.4	40	3.68	1.583	Δ	Inlet	62
		W/(L/s)	0.28	0.30	0.32	0.35	0.37	0.44	0.67							Outlet	67
	1114	m³/s	4.277	4.022	3.730	3.384	2.956	1.591			-		1.96	1.086	Y	Inlet	67
		W/(L/s)	0.24	0.26	0.29	0.32	0.37	0.67								Outlet	58
SCP710/6/8-3AC	900	m³/s	4.179	3.949	3.682	3.360	2.943				33.8	40	2.35	0.890	Δ	Inlet	56
		W/(L/s)	0.18	0.21	0.23	0.26	0.30									Outlet	58
	740	m³/s	3.551	3.203	2.788	2.232					28.0		1.28	0.600	Y	Inlet	52
		W/(L/s)	0.15	0.18	0.21	0.27										Outlet	54
SCP800/6/8-3AC	885	m³/s	5.611	5.199	4.719	4.154					34.2	40	2.35	0.990	Δ	Inlet	60
		W/(L/s)	0.17	0.19	0.21	0.24										Outlet	63
	705	m³/s	4.535	3.922	3.199						14.5		0.64	1.170	Y	Inlet	51
		W/(L/s)	0.25	0.30	0.37											Outlet	55

Data in accordance with ErP 327/2011 of the European Parliament. Measurement category used to determine energy efficiency: A.

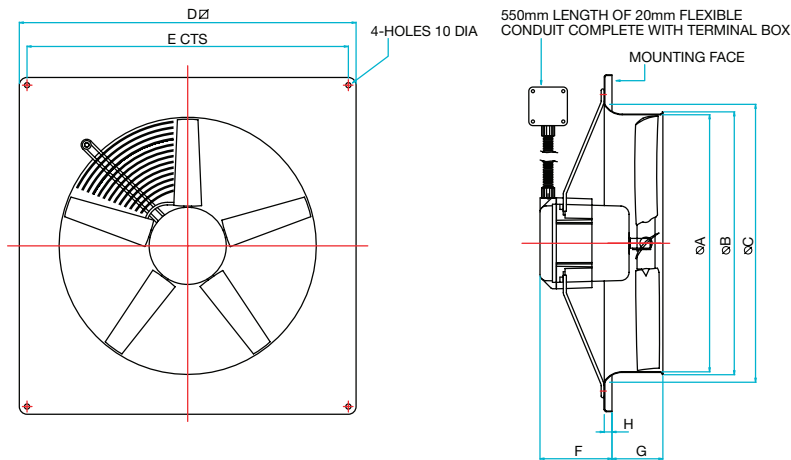
Data provided at standard air density of 1.2 kg/m³.

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COMPACT SCP

Dimensional Data



Product Code	A	B	C	D	E	F	G	H	Weight kg	
									1PH	3PH
SCP250/4-1AC	250	261	275	370	320	95	75	15	5	-
SCP250/4-3AC	250	261	275	370	320	95	75	15	-	7
SCP315/4-1AC	315	326	360	430	380	104	75	15	6	-
SCP315/4-3AC	315	326	360	430	380	104	75	15	-	7
SCP350/4-1AC	350	361	395	485	435	95	75	15	6	-
SCP350/4-3AC	350	361	395	485	435	95	75	15	-	8
SCP400/4-3AC	400	411	450	540	490	97	95	15	-	13
SCP450/4-3AC	450	461	500	575	535	95	95	15	-	14
SCP450/4B-3AC	450	461	500	575	535	95	90	15	-	14
SCP500/4-1AC	500	512	560	655	615	89	90	15	16	-
SCP500/4-3AC	500	512	560	655	615	147	100	15	-	20
SCP500/6-3AC	500	512	560	655	615	147	100	15	-	20
SCP560/4-1AC	560	577	620	725	670	149	100	20	24	-
SCP560/4-3AC	560	577	620	725	670	149	100	20	-	24
SCP560/6-3AC	560	577	620	725	670	141	100	20	-	24
SCP630/4-1AC	630	647	700	805	750	141	105	20	24	-
SCP630/4-3AC	630	647	700	805	750	141	105	20	-	30
SCP630/6-3AC	630	647	700	805	750	141	105	20	-	30
SCP710/4/6-3AC	710	725	765	850	810	143	103	27	-	30
SCP710/6/8-3AC	710	725	765	850	810	143	103	27	-	30
SCP800/6/8-3AC	800	817	880	973	910	146	105	28	-	36

Dimensions are in mm.

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COMPACT SCP

Accessories



Product Code	Electronic Controller	Transformer Controller	Louvre Shutter	Impeller Side Guard	Wall Cowl	Wiring Diagram
SCP250/4-1AC	-	-	064-0250-C	078-0250-C	SWC25/31	152-500
SCP315/4-1AC	-	-	064-0315-C	078-0315-C	SWC25/31	152-500
SCP350/4-1AC	-	-	064-0350-C	078-0350-C	SWC35/40	152-500
SCP500/4-1AC	149-EL61TK	149-TC18	064-0500-C	078-0500-C	SWC45/50	152-500
SCP560/4-1AC	149-EL61TK	149-TC18	064-0560-C	078-0560-C	SWC56/63	152-500
SCP630/4-1AC	-	149-TC35	064-0630-C	078-0630-C	SWC56/63	152-500

Product Code	Transformer Controller	Inverter Controller 1PH-3PH IP66	Inverter Controller 1PH-3PH IP20	Inverter Controller 3PH-3PH IP66	Inverter Controller 3PH-3PH IP20
SCP250/4-3AC	149-TC33	149-ODE-2-12037-1KB1Y	149-ODE-2-12037-1KB12	149-ODE-2-14075-3KA1Y	149-ODE-2-14075-3KA12
SCP315/4-3AC	149-TC33	149-ODE-2-12037-1KB1Y	149-ODE-2-12037-1KB12	149-ODE-2-14075-3KA1Y	149-ODE-2-14075-3KA12
SCP350/4-3AC	149-TC33	149-ODE-2-12037-1KB1Y	149-ODE-2-12037-1KB12	149-ODE-2-14075-3KA1Y	149-ODE-2-14075-3KA12
SCP400/4-3AC	149-TC33	149-ODE-2-12037-1KB1Y	149-ODE-2-12037-1KB12	149-ODE-2-14075-3KA1Y	149-ODE-2-14075-3KA12
SCP450/4-3AC	149-TC33	149-ODE-2-12037-1KB1Y	149-ODE-2-12037-1KB12	149-ODE-2-14075-3KA1Y	149-ODE-2-14075-3KA12
SCP450/4B-3AC	149-TC33	149-ODE-2-12037-1KB1Y	149-ODE-2-12037-1KB12	149-ODE-2-14075-3KA1Y	149-ODE-2-14075-3KA12
SCP500/4-3AC	149-TC33	149-ODE-2-12075-1KB1Y	149-ODE-2-12075-1KB12	149-ODE-2-14075-3KA1Y	149-ODE-2-14075-3KA12
SCP500/6-3AC	149-TC33	-	-	149-ODE-2-14075-3KA1Y	149-ODE-2-14075-3KA12
SCP560/4-3AC	149-TC35	149-ODE-2-12075-1KB1Y	149-ODE-2-12075-1KB12	149-ODE-2-14075-3KA1Y	149-ODE-2-14075-3KA12
SCP560/6-3AC	149-TC35	-	-	149-ODE-2-14075-3KA1Y	149-ODE-2-14075-3KA12
SCP630/4-3AC	149-TC35	149-ODE-2-12075-1KB1Y	149-ODE-2-12150-1KB12	149-ODE-2-14150-3KA1Y	149-ODE-2-14150-3KA12
SCP630/6-3AC	149-TC35	-	-	149-ODE-2-14075-3KA1Y	149-ODE-2-14075-3KA12
SCP710/4/6-3AC	149-TC35	-	-	149-ODE-2-24220-3KA4Y	149-ODE-2-24220-3KA42
SCP710/6/8-3AC	149-TC35	-	-	149-ODE-2-14075-3KA1Y	149-ODE-2-14075-3KA12
SCP800/6/8-3AC	149-TC35	-	-	149-ODE-2-14075-3KA1Y	149-ODE-2-14075-3KA12

Product Code	Louvre Shutter	Impeller Side Guard	Wall Cowl	Wiring Diagram
SCP250/4-3AC	064-0250-C	078-0250-C	SWC25/31	152-611
SCP315/4-3AC	064-0315-C	078-0315-C	SWC25/31	152-611
SCP350/4-3AC	064-0350-C	078-0350-C	SWC35/40	152-611
SCP400/4-3AC	064-0400-C	078-0400-C	SWC35/40	152-611
SCP450/4-3AC	064-0450-C	078-0450-C	SWC45/50	152-611
SCP450/4B-3AC	064-0450-C	078-0450-C	SWC45/50	152-611
SCP500/4-3AC	064-0500-C	078-0500-C	SWC45/50	152-611
SCP500/6-3AC	064-0500-C	078-0500-C	SWC45/50	152-608
SCP560/4-3AC	064-0560-C	078-0560-C	SWC56/63	152-611
SCP560/6-3AC	064-0560-C	078-0560-C	SWC56/63	152-608
SCP630/4-3AC	064-0630-C	078-0630-C	SWC56/63	152-611
SCP630/6-3AC	064-0630-C	078-0630-C	SWC56/63	152-608
SCP710/4/6-3AC	064-0710-C	078-0710-C	-	152-614
SCP710/6/8-3AC	064-0710-C	078-0710-C	-	152-614
SCP800/6/8-3AC	064-0800-C	078-0800-C	-	152-614

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Notes

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