



Size	A	B	C	D	E	F	Weight kg
SCH315	520	310	430	50	310	410	16
SCH350	670	420	520	50	400	500	26
SCH400	670	420	520	50	400	500	26
SCH450	900	525	740	60	620	720	49
SCH500	900	525	740	60	620	720	51/57*
SCH560	900	525	740	60	620	720	56/65*
SCH630	1160	665	830	60	710	810	78/97*

* The higher weight shown is applicable to the /4-2 and /4-3 versions.

SPECIFICATION

General

The Vertical discharge centrifugal fan SCH shall be from the Select range of Elta Fans Ltd. The all metal cowls shall provide a long lasting and robust construction, manufactured from pressed galvanised sheet steel. The windband shall incorporate quick-release toggle clamps to provide easy access for cleaning and maintenance. All SCH units can be mounted at angles up to 30°.

Impeller Assemblies

Aerodynamically designed backward curved centrifugal impellers constructed in aluminum or galvanised sheet steel. Motor and impeller are balanced to quality class G6.3.

Motors

Motors shall be external rotor, squirrel cage induction, with sealed for life ball bearings. Motors shall be minimum IP44 protected and minimum Class 'B' insulation. All units are suitable for operating temperatures of up to +40°C.

Quality Management

All SCH units are to be designed and manufactured with procedures as defined in BS EN ISO 9001:2000. EEC directives shall be met.

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

ACCESSORIES

- ◆ Speed Controllers

ROOF MOUNTED CENTRIFUGAL FANS - SCH

heritage



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	50	100	150	200	250	300	400	500	FL Amps	Output kW	Electronic	Transformer	
SCH315/6-2	900	0.26	0.21								0.54	0.07	EL13T	TC12	41
SCH315/4-2	1380	0.34	0.32	0.30	0.26	0.20					0.66	0.15	EL13T	TC12	47
SCH350/6-2	900	0.52	0.46	0.37	0.22						0.32	0.07	EL13T	TC12	42
SCH350/4-2	1380	0.70	0.66	0.62	0.57	0.52	0.47	0.40			1.08	0.24	EL13T	TC12	51
SCH400/6-2	900	0.63	0.57	0.49	0.38						0.88	0.20	EL13T	TC12	44
SCH400/4-2	1380	1.00	0.93	0.86	0.80	0.73	0.66	0.60	0.45		2.20	0.52	EL13T	TC14	54
SCH450/6-2	900	0.98	0.89	0.81	0.71	0.59					1.85	0.36	EL13T	TC14	56
SCH450/4-2	1380	1.35	1.31	1.27	1.23	1.19	1.14	1.08	0.92	0.66	3.60	0.76	EL16T	TC18	56
SCH500/6-2	900	1.30	1.21	1.11	1.01	0.90	0.68				2.50	0.53	EL13T	TC14	49
SCH560/6-2	900	1.76	1.65	1.54	1.42	1.29	1.15	0.97			4.10	0.84	EL16T	TC18	53

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	50	100	150	200	250	300	400	500	600	700	800	1000	FL Amps	Output kW	Inverter		Transformer
SCH315/6-3	900	0.26	0.21												0.15	0.09	28E/75	TC33	41
SCH315/4-3	1380	0.34	0.32	0.30	0.26	0.20									0.37	0.18	28E/75	TC33	47
SCH350/6-3	900	0.52	0.46	0.37	0.22										0.39	0.24	28E/75	TC33	42
SCH350/4-3	1380	0.70	0.66	0.62	0.57	0.52	0.47	0.40							0.72	0.32	28E/75	TC33	51
SCH400/6-3	900	0.63	0.57	0.49	0.38										0.73	0.23	28E/75	TC33	44
SCH400/4-3	1380	1.00	0.93	0.86	0.80	0.73	0.66	0.60	0.45						0.90	0.50	28E/75	TC33	54
SCH450/6-3	900	0.98	0.89	0.81	0.71	0.59									0.90	0.44	28E/75	TC33	56
SCH450/4-3	1380	1.35	1.31	1.27	1.23	1.19	1.14	1.08	0.92	0.66					1.47	0.77	28E/75	TC33	56
SCH500/6-3	900	1.30	1.21	1.11	1.01	0.90	0.68								1.20	0.65	28E/75	TC33	49
SCH500/4-3	1380	1.87	1.83	1.78	1.73	1.68	1.63	1.58	1.45	1.29	1.02				2.60	1.3	28E/150	TC35	60
SCH560/6-3	900	1.76	1.65	1.54	1.42	1.29	1.15	0.97							1.60	1.0	28E/150	TC33	53
SCH560/4-3	1380	2.66	2.58	2.50	2.41	2.33	2.24	2.15	1.95	1.73	1.48	1.18			3.60	1.5	28E/150	TC35	65
SCH630/6-3	900	2.60	2.46	2.36	2.27	2.17	2.06	1.92	1.30						2.20	1.1	28E/150	TC35	57
SCH630/4-3	1380	3.99	3.91	3.84	3.77	3.70	3.63	3.57	3.43	3.29	3.15	2.99	2.81	2.25	7.35	4.3	58E/550	TC310	70

Sound levels are average spherical free field values (for comparative use only). Value at 50% peak pressure.

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

52 Performance & Electrical Data

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