



Size	A	B	C	D	E	F	Approx. Wt. kg. †	
							4 pole	6 pole
SCHT315	520	310	430	50	310	410	16	
SCHT350	665	420	520	50	400	500	26	
SCHT400	665	420	520	50	400	500	26	
SCHT450	900	525	740	60	620	720	49	
SCHT500	900	525	740	60	620	720	57	51
SCHT560	900	525	750	60	620	720	65	56
SCHT630	1160	665	970	60	710	810	97	78

† Unit weights depend on the make of motor used. If critical this should be referred to our sales department at time of order.

SPECIFICATION

General

The Heritage roof mounted centrifugal fan SCHAT 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 and powder coated after forming. The windband shall incorporate quick-release toggle clamps to provide easy access for cleaning and maintenance. All SCHAT units can be mounted at angles up to 15°.

Impeller Assemblies

Aerodynamically designed backward curved centrifugal impellers shall be constructed in galvanised steel sheets or aluminum dependant upon impeller selection. Motor and impeller are balanced to quality class G6.3.

Motors

Motors shall be standard squirrel cage induction, mounted out of the airstream, with sealed for life ball bearings. Motors shall be IP54 protected and minimum Class 'F' insulation. All units are suitable for operating temperatures of up to +50°C. Operation at higher temperature is possible when Class H motors are incorporated. Contact Elta Fans for these requirements. Motors are wound for 380-415v/3Ph/50Hz supply.

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 SCHAT 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 - SCHAT

heritage



THREE PHASE - FIXED OR VARIABLE SPEED 380-415V / 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	800	1000	FL Amps	Output kW	Inverter 1Ph - 3Ph	Inverter 3Ph - 3Ph	
SCHT315/6-3	960	0.34	0.29	0.11										1.10	0.37	08E/37-1	28E/75	46
SCHT315/4-3	1440	0.53	0.50	0.45	0.41	0.35	0.28							1.38	0.55	08E/75-1	28E/75	54
SCHT350/6-3	960	0.53	0.43	0.31	0.18									1.10	0.37	08E/37-1	28E/75	45
SCHT350/4-3	1440	0.84	0.78	0.73	0.68	0.62	0.55	0.45						1.38	0.55	08E/75-1	28E/75	60
SCHT400/6-3	960	0.77	0.67	0.58	0.47									1.10	0.37	08E/37-1	28E/75	48
SCHT400/4-3	1440	1.12	1.08	1.03	0.97	0.91	0.84	0.76	0.52					1.38	0.55	08E/75-1	28E/75	60
SCHT450/6-3	960	1.05	0.98	0.90	0.78	0.63								1.10	0.37	08E/37-1	28E/75	52
SCHT450/4-3	1440	1.61	1.54	1.48	1.41	1.35	1.28	1.22	1.06	0.83				1.38	0.55	08E/75-1	28E/75	63
SCHT500/6-3	960	1.39	1.33	1.26	1.18	1.06	0.87							1.09	0.37	08E/37-1	28E/75	56
SCHT500/4-3	1440	2.24	2.18	2.11	2.04	1.97	1.89	1.81	1.63	1.42	1.14			2.50	1.1	28E/150-1	28E/150	68
SCHT560/6-3	960	2.14	2.04	1.92	1.79	1.65	1.49	1.29						2.10	0.75	08E/75-1	28E/75	59
SCHT560/4-3	1440	3.22	3.11	3.03	2.95	2.87	2.80	2.73	2.58	2.42	2.23	1.49		4.50	2.2	28E/220-1	28E/220	69
SCHT630/6-3	960	2.80	2.73	2.65	2.56	2.46	2.34	2.19	1.72					2.90	1.1	28E/150-1	28E/150	59
SCHT630/4-3	1440	4.57	4.48	4.39	4.29	4.20	4.10	4.00	3.80	3.58	3.36	2.83	2.07	8.03	4	-----	28E/400	73

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.