



N.B. Units illustrated with optional mounting brackets fitted.

Model	A	B	C	D	E	F	G	Wt. kg.
STDD 1/L	425	530	210	175	100	225	580	14
STDD 2/L	525	740	260	225	150	325	790	24
STDD 3/L	600	800	360	250	150	400	850	35.5
STDD 4/L	700	950	390	350	200	500	1000	47.5
STDD 5/L	800	1000	440	400	325	600	1050	60.5
STDD 6/L	800	1100	440	450	350	600	1150	70.5
STDD 7/L	1000	1250	575	650	400	800	1300	101

SPECIFICATION

General

The Twinflow duct mounted, direct drive fan STDD shall be from the Select range of Elta Fans Ltd. The unit casing shall be manufactured from 0.9 or 1.2mm thick hot dipped galvanised mild steel sheet, suitably braced for rigidity. The casing shall incorporate rectangular spigot connections on the inlet and discharge.

Non return shutters shall be fitted on the fan outlets to prevent recirculation of air between the fans and backdraughts when the unit is not in operation. The unit shall be fitted with airflow detection switches pre wired to the units terminal block for connection to a suitable control panel to facilitate auto change over.

Units can be supplied with or without acoustic lining.

Where acoustically lined units are required the lining shall be an open cell foam conforming to Class O of the U.K. Building Regulations. Access panels shall be provided for ease of servicing.

Fans

Fans are to be double inlet double width forward curved centrifugal type housed in a purpose designed scroll with integral deep drawn inlet rings to facilitate maximum efficiency.

Motors

Motors are to have anti-vibration mounts fitted between the motor mounting arms and the fan case. Motors shall be pre wired to a terminal box mounted on the outside of the unit casing. The units are to be suitable for operating temperatures of up to +40°C. Operation at higher temperature is possible when Class F motors are incorporated. Contact Elta Fans for these requirements.

Quality Management

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

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

ACCESSORIES

- ◆ Mounting Brackets
- ◆ Flexible Connectors
- ◆ Isolators
- ◆ Anti-Vibration Mounts
- ◆ Auto-Changeover Panels

TWIN FAN - SINGLE PHASE - FIXED SPEED 220-240V / 1PH / 50HZ

Product Code	Speed rpm	Airflow m ³ /sec @ Static Pressure Pa.												Motor Electrical Data			Sound Level dBA @ 3m		Breakout dBA @ 3m		Silencer Data					
		0	25	50	75	100	150	200	250	300	350	400	FL Amps	SC Amps	Input kW	SSDD	SSDD/L	SSDD	SSDD/L	dBA Attenuation			ΔP (Pa)			
		600L	900L	1250L	600L	900L	1250L																			
STDD1/L	2250	0.056	0.053	0.050	0.047	0.043	0.036	0.028	0.019				0.37	1.41	0.085	29	28	27	26	-6	-9	-11	10	11	12	
STDD2/L	1330	0.179	0.158	0.133	0.107	0.070							0.43	1.38	0.098	36	35	32	31	-6	-9	-10	18	20	22	
STDD3/L	1220	0.280	0.257	0.232	0.209	0.184	0.133	0.082	0.028				1.20	4.80	0.250	45	44	38	36	-6	-9	-10	26	28	30	
STDD4/L	1415	0.465	0.436	0.404	0.372	0.340	0.272	0.190	0.104	0.030			2.70	9.60	0.500	49	47	46	44	-5	-3	-8	12	13	14	
STDD5/L	1250	0.800	0.778	0.760	0.734	0.716	0.660	0.604	0.534	0.430	0.279	0.100	4.40	12.60	0.960	50	48	46	42	-7	-9	-11	21	23	25	
STDD6/L	1310	0.960	0.945	0.915	0.898	0.875	0.825	0.770	0.682	0.565	0.302	0.150	5.20	18.90	1.100	54	52	48	46	-7	-9	-11	20	22	24	
STDD7/L	820	1.410	1.370	1.320	1.280	1.220	1.100	0.965	0.785	0.430	0.150		7.00	20.70	1.400	52	50	45	44	-8	-10	-13	16	17	18	

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

NB. Motors wound for 220-240V/1PH/60Hz supply are available upon request - Contact Elta Fans for these requirements.