



Model	A	B	C	D	E	F	Wt. kg.
STDR 1/L	500	500	275	175	100	150	15.5
STDR 2/L	700	740	350	225	150	150	26.5
STDR 3/L	700	800	400	250	150	150	39
STDR 4/L	800	950	450	350	200	150	52.5
STDR 5/L	950	950	550	400	325	150	66.5
STDR 6/L	1050	1050	550	450	350	150	77.5
STDR 7/L	1150	1150	650	650	400	200	110

SPECIFICATION

General

The Twinflow roof mounted, direct drive fan STDR shall be from the Select range of Elta Fans Ltd. The unit casing shall be manufactured from 1.6mm thick mill finish aluminium alloy. The casing shall be designed so as to minimise vibration and shall incorporate a louvered air discharge guarded against bird ingress.

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 unit's 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

The unit shall incorporate two independent fan assemblies.

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 factory fitted IP55 isolator. 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.

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

ACCESSORIES

- ◆ 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					dBA Attenuation			ΔP (Pa)		
		SSDD		SSDD/L		SSDD		SSDD/L		600L	900L	1250L	600L	900L	1250L										
STDR1/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
STDR2/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
STDR3/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
STDR4/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	-6	-8	12	13	14
STDR5/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
STDR6/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
STDR7/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.