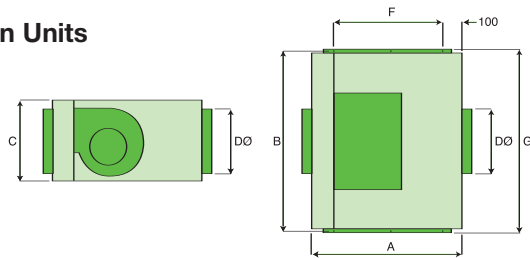
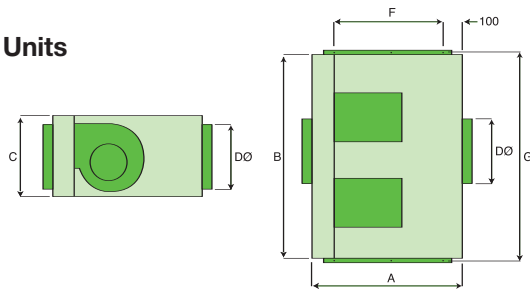


Single Fan Units



Model	A	B	C	D	F	G	Wt. kg.
SQS125-L	400	375	210	125	200	425	11.5
SQS150-L	425	500	260	150	225	550	16.5
SQS200-L	425	500	260	200	225	550	16.7
SQS250-L	475	550	300	250	275	600	18.5
SQS315-11L	575	700	440	315	375	750	34.0
SQS315-L	575	700	440	315	375	750	34.0
SQS315-33L	650	700	440	315	375	750	34.0
SQS400-L	700	800	460	400	500	850	45.5
SQS500-L	850	900	570	500	650	950	58.0

Twin Fan Units



Model	A	B	C	D	F	G	Wt. kg.
SQT125-L	425	530	210	125	225	580	16.0
SQT150-L	525	740	260	150	325	790	25.5
SQT200-L	525	740	260	200	325	790	26.0
SQT250-L	550	800	300	250	350	850	30.0
SQT315-L	800	1000	440	315	600	1050	72.5
SQT315-22L	800	1000	440	315	600	1050	72.5
SQT400-L	800	1100	460	400	600	1150	82.0
SQT500-L	1000	1250	575	500	800	1300	113.0

SPECIFICATION

General

The Quietflow SQS and SQT acoustically lined in-line centrifugal fans shall be from the Select range of Elta Fans Ltd.

Housings

Housings are to be manufactured from prime quality 0.9 or 1.2mm thick galvanised steel with circular spigots at both ends suitable for either single or twin fans. Spigots are to be manufactured to suit ISO standard spiral ducting from 125mm to 500mm. Mounting brackets are to be supplied fixed to the sides of the casing. Casings are to be lined with 25mm high density, non toxic, flame retardant acoustic lining in compliance with BS476 Parts 6 and 7. Access to the fan and motor is to be via an easily removable panel sealed using non hygroscopic neoprene. All fixings shall be non rusting.

Fans

Fans are to be double inlet double width forward curved centrifugal type, directly driven by motors mounted on anti-vibration mounts fitted between the motor mounting arm and the fan case. All units shall be suitable for working temperatures of up to +40°C. Operation at higher temperature is possible when Class F motors are incorporated. Contact Elta Fans for these requirements.

Twin Fan Units

Twin fan units are to include an automatic non-return shutter, eliminating backdraught and short-circuiting of exhaust air. Airflow failure sensing is to be by fuse rupture when connected to a suitable control panel.

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.

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

ACCESSORIES

- ◆ Speed Controllers
- ◆ Panel Filters (page 65)
- ◆ Flexible Connectors
- ◆ Electric Heater Batteries (page 65)
- ◆ Fast Clamps (page 66)
- ◆ Silencers (page 66)
- ◆ Anti-Vibration Mounts

QUIETFLOW SINGLE - FIXED OR VARIABLE SPEED 220-240V / 1PH / 50HZ

Product Code	Speed rpm	Airflow m ³ /sec @ Static Pressure Pa.											Motor Electrical Data*			Speed Controllers		Sound Level dBA @ 3m	Breakout Sound Press dBA @ 3m	Silencer Attenuation dBA			
		0	25	50	75	100	150	200	250	300	350	400	FL Amps	SC Amps	Input kW	Elec-tronic	Trans-former			300L	600L	900L	1200L
SQS125-L	1700	0.074	0.071	0.068	0.066	0.064	0.058	0.051	0.040	0.020			0.47	1.41	0.100	EL13	TC12	31	27	-7	-12	-17	-20
SQS150-L	1750	0.160	0.155	0.150	0.145	0.140	0.130	0.118	0.100	0.082			0.82	2.60	0.165	EL13	TC12	33	29	-8	-12	-15	-19
SQS200-L	1500	0.175	0.172	0.170	0.166	0.163	0.155	0.142	0.130	0.110	0.070		0.82	2.60	0.185	EL13	TC12	37	32	-7	-11	-15	-18
SQS250-L	1520	0.230	0.225	0.216	0.210	0.202	0.186	0.170	0.150	0.130	0.102		0.95	2.90	0.220	EL13	TC12	41	35	-8	-11	-13	-16
SQS315-11L	1220	0.46	0.425	0.38	0.342	0.305	0.221	0.136	0.046				1.20	4.80	0.250	EL13	TC12	44	36	-4	-6	-9	-10
SQS315-L	1350	0.570	0.537	0.500	0.470	0.436	0.368	0.300	0.196	0.050			3.10	9.00	0.650	EL16	TC14	48	42	-7	-9	-11	-13
SQS315-33L	1300	0.68	0.67	0.65	0.63	0.62	0.59	0.54	0.49	0.41	0.28	0.09	3.70	11.00	0.840	EL16	TC18	48	41	-6	-9	-10	-13
SQS400-L	1220	1.06	1.04	1.02	1.00	0.98	0.93	0.88	0.82	0.74	0.45	0.17	6.50	14.50	1.400	-	TC18	52	44	-6	-8	-10	-13
SQS500-L	750	1.38	1.37	1.35	1.33	1.31	1.26	1.20	1.10	0.94			8.50	17.75	1.500	-	TC18	53	45	-	-	-	-

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

* Maximum electrical data applicable to free air delivery. All data at 230 Volts.

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

For single fan speed controllers ref's

- Please refer to price list

QUIETFLOW TWIN - FIXED OR VARIABLE SPEED 220-240V / 1PH / 50HZ

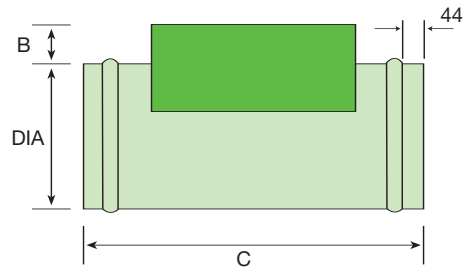
Product Code	Speed rpm	Airflow m ³ /sec @ Static Pressure Pa.											Motor Electrical Data*			Sound Level dBA @ 3m	Breakout Sound Press dBA @ 3m	Silencer Attenuation dBA			
		0	25	50	75	100	150	200	250	300	350	400	FL Amps	SC Amps	Input kW			300L	600L	900L	1200L
SQT125-L	1700	0.063	0.060	0.057	0.054	0.051	0.044	0.037	0.029				0.47	1.41	0.095	28	25	-7	-12	-17	-20
SQT150-L	1650	0.148	0.144	0.138	0.133	0.128	0.117	0.102	0.087	0.061			0.82	2.60	0.160	30	28	-8	-12	-16	-19
SQT200-L	1750	0.160	0.157	0.153	0.149	0.145	0.135	0.123	0.104	0.070			0.82	2.60	0.185	35	31	-7	-10	-14	-17
SQT250-L	1450	0.215	0.208	0.202	0.195	0.188	0.172	0.155	0.138	0.118	0.090	0.030	0.95	2.90	0.220	36	34	-7	-11	-13	-15
SQT315-22L	1350	0.583	0.572	0.555	0.534	0.506	0.43	0.27	0.063				3.10	9.00	0.650	48	42	-7	-9	-11	-13
SQT315-L	1300	0.700	0.690	0.670	0.650	0.640	0.600	0.560	0.510	0.430	0.320	0.110	3.70	11.0	0.840	48	41	-6	-9	-10	-13
SQT400-L	1360	0.870	0.840	0.820	0.800	0.770	0.720	0.650	0.570	0.400	0.220	0.080	6.50	14.5	1.000	52	46	-6	-8	-10	-13
SQT500-L	890	1.300	1.270	1.240	1.210	1.160	1.090	0.980	0.840	0.550	0.080		8.10	17.8	1.200	50	44	-	-	-	-

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

* Maximum electrical data applicable to free air delivery. All data at 230 Volts.

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

ELECTRIC HEATER BATTERIES



Electric duct heater provides a clean and safe method of air heating. For use in applications where the air leaving temperature is below 40°C at 70% RHdB. Duct section to suit ISO standard spiral ducting from 100mm to 500mm.

Casing manufactured from galvanised sheet steel. Elements consist of nickel chromium wire insulated by compacted magnesium oxide powder fitted within a stainless steel or incoloy tube and sealed by ceramic bead and silicon sealant.

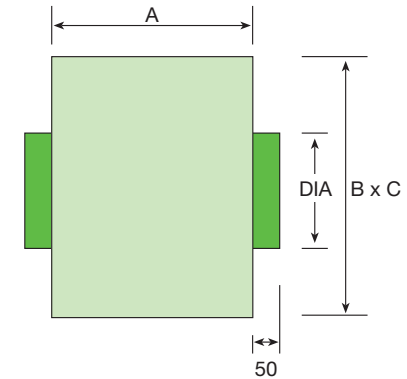
Minimum Air Velocity 2m/s
Maximum Air Velocity 6m/s

Heaters are fitted with a manual reset high temp cutout.

Dia.	kW	Stage	Phase	Min. Airflow m³/s	Max. Airflow m³/s	Dimensions	
						B	C
100	0.75	1	1	0.016	0.047	55	400
125	1.00	1	1	0.025	0.074	80	400
150	1.50	1	1	0.035	0.106	80	400
200	2.00	1	1	0.063	0.189	80	400
250	3.00	1	1	0.098	0.295	80	400
315	4.50	3/1	1/3	0.156	0.468	80	400
355	7.50	3/1	1/3	0.198	0.593	80	400
400	9.00	3/1	1/3	0.251	0.784	80	400
500	18.00	2	3	0.49	1.178	80	500
500	27.00	3	3	0.49	1.178	80	500

To calculate kW rating $kW = \text{air volume m}^3/\text{s} \times \Delta t^{\circ}\text{C} \times 1.25$
 Approximate current loading - Single Phase (230V/50Hz) Amps = kW x 4.35
 Three Phase (400V/50Hz) Amps = per phase = Kw x 1.44

PANEL FILTERS

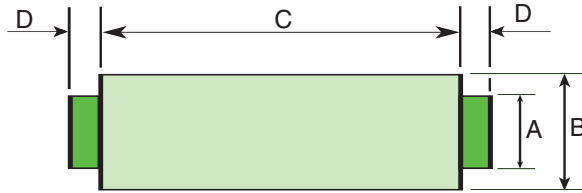


Filter boxes are available in 8 sizes with filter media to BS EN 779 rating G3 with 85% arrestance. Filter access via a removable panel. Casings are manufactured from galvanised sheet steel.

Dia.	A	B	C
100/125	155	200	200
150	155	250	250
200	155	250	250
250	200	300	300
315	300	440	440
355	350	440	440
400	400	440	440
500	500	550	550

Note: For product codes please refer to price list

SILENCERS



Cylindrical in-line attenuators suitable for use with circular spigoted fans such as Jetflow, Hideaway and Quietflow or general use in circular ducted systems.

The casing is manufactured from galvanised mild steel with one piece spun ends.

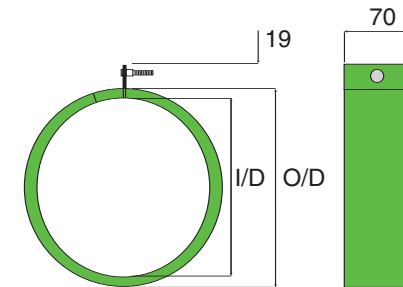
An inner lining of pre-galvanised, perforated mild steel encloses mineral fibre sound absorbing material with glass facing tissue.

Note: These silencers are not suitable for saturated conditions - Refer to Elta Fans.

Dia.	Fan Dia.	A	B	C 1D	C 2D	C 3D	C 4D	D	Estimated Weight (kg)			
									1D	2D	3D	4D
0100-JF*	100	98	204	300	600	900	1200	40	2.5	4.6	6.7	8.7
0125-JF*	125	123	230	300	600	900	1200	40	2.9	5.4	7.8	10.2
0150-JF*	150	148	255	300	600	900	1200	40	3.4	6.1	8.9	11.6
0160-JF*	160	158	265	300	600	900	1200	40	3.5	6.4	9.3	12.2
0200-JF*	200	198	305	300	600	900	1200	40	4.2	7.6	11.0	14.5
0250-JF*	250	248	355	300	600	900	1200	40	5.0	9.1	13.2	17.3
0300-JF*	300	298	405	300	600	900	1200	40	5.9	10.6	15.4	20.2
0315-JF*	315	313	420	300	600	900	1200	40	6.1	11.1	16.1	21.0
0355-JF*	355	353	460	300	600	900	1200	40	6.8	12.3	17.8	23.3
0400-JF*	400	398	505	300	600	900	1200	40	7.5	13.6	19.8	25.9

* Add 1,2,3 or 4 depending on length required.

FAST CLAMPS



Galvanised steel circular duct clamp with foam lining. For quick and easy connection of circular spigoted fans and accessories.

Model	Fan Dia.	I/D	O/D
0100-CLAMP	100	92	116
0125-CLAMP	125	117	141
0150-CLAMP	150	142	166
0160-CLAMP	160	152	176
0200-CLAMP	200	192	216
0250-CLAMP	250	242	266
0315-CLAMP	315	307	331
0355-CLAMP	355	347	371
0400-CLAMP	400	392	416
0500-CLAMP	500	492	516