

Model	A	B	C	D	Weight kg
SJ100A	241	98	25	210	3.0
SJ100B					
SJ125A	241	123	25	210	3.5
SJ125B					
SJ150	241	148	25	210	3.5
SJ160	241	158	25	210	3.5
SJ200A	335	198	25	230	4.5
SJ200B					
SJ250	335	248	25	230	5.5
SJ315A	404	313	30	295	6.0
SJ315B				308	7.0
SJ355A				400	11.8
SJ355B	484	355	44	400	14.1

ACCESSORIES

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

SPECIFICATION

General

The Jetflow in-line centrifugal fan SJ shall be from the Select range of Elta Fans. The all metal casing shall be made from robust steel finished in high resist epoxy paint. Impellers shall be single inlet backward curved type.

Motors

Highly efficient, maintenance free external rotor motors shall be used, matched to the aerodynamic performance of the impeller. These shall be waterproofed to IP44 and suitable for speed control and working temperatures of up to +50°C. Electrical connection shall be provided by an IP54 terminal box fitted onto the unit casing.

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.

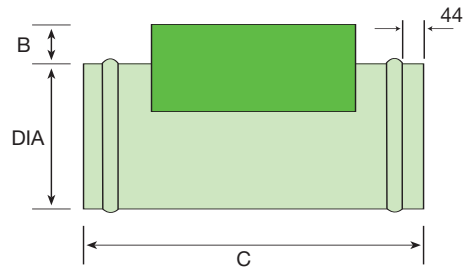
SJ units are to be tested to ISO 5801:1997 (airside performance) and BS 848 pt 2:1985 (sound performance).

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

Product Code	Speed rpm	Airflow m ³ /sec @ Static Pressure Pa.												Motor Electrical Data		Speed Controller	Sound Level dBA @ 3m	Silencer Attenuation dBA				
		0	50	100	150	200	250	300	400	500	600	700	800	FL Amps	Input Watts			300L	600L	900L	1200L	
SJ100A	2000	0.056	0.051	0.045	0.040	0.033	0.024	0.009							0.26	68	EL21	34	-13	-19	-25	-27
SJ100B	2400	0.066	0.062	0.058	0.052	0.045	0.032	0.019							0.27	60	EL21	42	-13	-19	-25	-27
SJ125A	1700	0.072	0.063	0.054	0.044	0.034	0.022	0.008							0.27	62	EL21	36	-14	-20	-25	-28
SJ125B	2350	0.093	0.081	0.070	0.058	0.045	0.031	0.013							0.26	58	EL21	43	-15	-21	-26	-29
SJ150	2350	0.102	0.089	0.075	0.060	0.043	0.023								0.28	65	EL21	46	-12	-19	-22	-24
SJ160	2350	0.112	0.097	0.082	0.063	0.050	0.032								0.28	63	EL21	49	-11	-17	-21	-23
SJ200A	2400	0.170	0.150	0.116	0.090	0.072	0.055								0.32	73	EL21	51	-11	-15	-19	-22
SJ200B	2430	0.245	0.234	0.215	0.192	0.170	0.146	0.125	0.108	0.035					0.66	154	EL21	52	-12	-16	-21	-23
SJ250	2450	0.284	0.264	0.240	0.216	0.195	0.176	0.155	0.136	0.110					0.82	180	EL21	53	-13	-17	-20	-23
SJ315A	2420	0.350	0.332	0.265	0.210	0.166	0.138	0.120	0.095	0.018					0.86	192	EL21	52	-12	-16	-18	-20
SJ315B	2630	0.510	0.465	0.423	0.382	0.342	0.304	0.268	0.198	0.132	0.070				1.30	297	EL21	56	-13	-17	-19	-21
SJ355A	1330	0.609	0.585	0.554	0.508	0.429	0.316	0.192							1.12	248	EL21	57	-11	-14	-16	-18
SJ355B	2560	0.660	0.651	0.640	0.629	0.617	0.603	0.588	0.549	0.495	0.408	0.272	0.112		2.92	630	EL41	77	-12	-15	-17	-19

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

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.

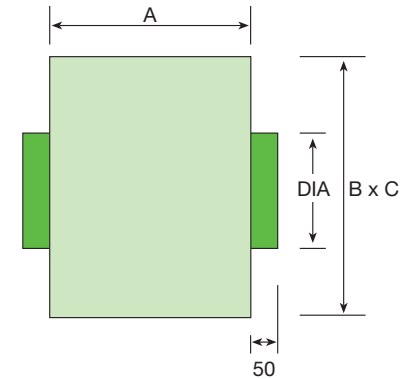
Minimum Air Velocity 2m/s
Maximum Air Velocity 6m/s

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

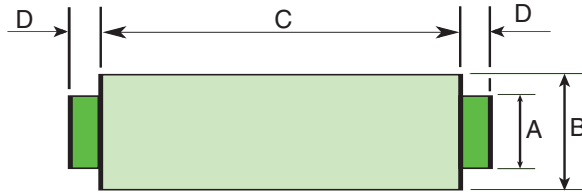


Filter boxes are available in 8 sizes with filter media to BS EN 779 rating G3 with 85% arrestance. Filter access via a removable panel. Casings are manufactured from galvanised sheet steel.

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.

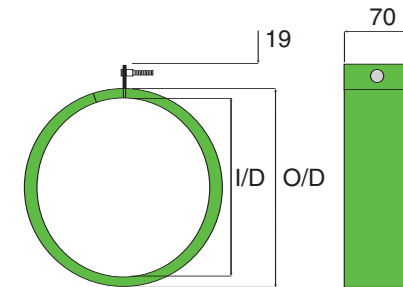
An inner lining of pre-galvanised, perforated mild steel encloses mineral fibre sound absorbing material with glass facing tissue.

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