ELTA SELECT

Jetstream SJS

Product Brochure

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Jetstream SJS

Centrifugal In-line Fan

centrifugal

OVERVIEW

The Jetstream SJS is a range of backward curved in-line centrifugal fans designed in response to the need for a quieter, more efficient low profile unit where space is restricted in residential and light commercial applications.

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QUICK FACTS

- ✓ 2 standard sizes of 150mm and 200mm.
- ✓ Air volume flow rates up to 0.21 m³/s.
- ✓ Static pressures up to 304 Pa.
- ✓ Suitable for operating temperatures up to +50°C.
- ✓ Extensive stock range available.

CASING

The all plastic casing provides a long lasting, robust and non-corrosive construction.

The units have been constructed from shockproof, heat resistant ABS plastic, supplied with quick fit steel mounting bracket.

IMPELLER

Impellers shall be single inlet backward curved centrifugal type. Impellers are balanced to ISO 14694 Grade G6.3.

MOTORS

Highly efficient, maintenance free external rotor motors shall be used, matched to the aerodynamic performance of the impeller.

These shall be protected to IP44 and suitable for speed control and working temperatures up to +50°C.

Electrical connection to the motor shall be provided by an IP54 terminal box fitted to a 1000mm long flying lead.

QUALITY MANAGEMENT

Units are to be designed and manufactured with procedures as defined in BS EN ISO 9001:2008.

All SJS units are to be tested to ISO 5801:2007 (airside performance) and BS 848 Part 2:1985 (sound performance).

TYPICAL APPLICATIONS

- New Build and Refurbishment Housing
- Apartments
- Small Industrial Toilets and Shower Rooms

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Performance, SFP & Electrical Data

AC

SINGLE Phase - 220V to 240V / 50Hz

Product Code		Speed r/min	Airflow SFP	Airflow m³/s @ Static Pressure Pa.												Overall Efficiency %	FMEG	Motor Electrical Data		dBA @ 3m	
				0	25	50	75	100	150	200	250	300	350	400	500			FLC Amps	Input kW		
SJS150	HIGH	2480	**m³ / s**	**0.143**	**0.134**	**0.125**	**0.115**	**0.104**	**0.082**	**0.057**						16.5	-	0.29	0.065	Inlet	47
			W / (L/s)	0.58	0.63	0.68	0.74	0.80	0.99	1.36										Outlet	-
	MED	1920	**m³ / s**	**0.108**	**0.096**	**0.084**	**0.073**	**0.062**	**0.042**	**0.024**						11.1		0.25	0.050	Inlet	38
			W / (L/s)	0.60	0.67	0.76	0.87	1.00	1.41	2.32										Outlet	-
	LOW	1260	**m³ / s**	**0.069**	**0.045**	**0.035**	**0.028**	**0.023**								4.8		0.22	0.043	Inlet	29
			W / (L/s)	0.78	1.20	1.54	1.84	2.18												Outlet	-
SJS150S		2460	**m³ / s**	**0.143**	**0.134**	**0.125**	**0.115**	**0.104**	**0.082**	**0.057**						16.5	-	0.29	0.065	Inlet	47
			W / (L/s)	0.58	0.63	0.68	0.74	0.80	0.99	1.36										Outlet	-
SJS200	HIGH	2530	**m³ / s**	**0.209**	**0.198**	**0.184**	**0.168**	**0.151**	**0.120**	**0.090**	**0.056**	**0.024**				15.9		0.46	0.121	Inlet	49
			W / (L/s)	0.54	0.57	0.63	0.70	0.79	1.00	1.34	2.07	4.49								Outlet	-
	MED	1850	**m³ / s**	**0.145**	**0.118**	**0.078**	**0.051**	**0.040**	**0.024**							5.9	-	0.34	0.074	Inlet	41
			W / (L/s)	0.51	0.63	0.99	1.48	1.86	2.96											Outlet	-
	LOW	1130	**m³ / s**	**0.097**	**0.059**	**0.028**	**0.015**									2.5		0.30	0.067	Inlet	30
			W / (L/s)	0.70	1.14	2.30	4.17													Outlet	-
SJS200S		2530	**m³ / s**	**0.209**	**0.198**	**0.184**	**0.168**	**0.151**	**0.120**	**0.090**	**0.056**	**0.024**				15.9	-	0.46	0.121	Inlet	49
			W / (L/s)	0.54	0.57	0.63	0.70	0.79	1.00	1.34	2.07	4.49								Outlet	-

Overall total efficiency, r/min and FMEG values are per ISO 12759 installation category D. FLC Amps @ 230V / 1Ph / 50Hz.
Data provided at standard air density of 1.2 kg/m³.
The overall A-weighted sound pressure level is at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20μPa and is presented for comparative purposes only.
Outside the scope of ISO 12759 and ErP legislation.

Sound Data

SINGLE Phase - 220V to 240V / 50Hz

Product Code			Sound Power Level dBW @ Octave Band Hz								Total dB	Silencer dBA Attenuation			
			63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz		JF1	JF2	JF3	JF4
SJS150	HIGH	Inlet	-	59	57	59	64	63	56	46	68	-18	-26	-29	-33
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
	MED	Inlet	-	50	54	52	54	55	46	36	60	-17	-24	-28	-30
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
	LOW	Inlet	-	48	46	42	44	46	31	17	53	-15	-21	-24	-27
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
SJS150S		Inlet	-	59	57	59	64	63	56	46	68	-18	-26	-29	-33
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
SJS200	HIGH	Inlet	43	60	71	65	65	64	59	52	74	-13	-17	-22	-25
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
	MED	Inlet	33	55	67	56	55	53	48	39	68	-9	-13	-17	-20
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
	LOW	Inlet	28	55	57	45	44	43	31	22	60	-8	-12	-16	-19
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
SJS200S		Inlet	43	60	71	65	65	64	59	52	74	-13	-17	-22	-25
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-

Tests and preparation of the sound data have been carried out in accordance with BS 848 Part 2:1985 at 50% peak pressure.
The Sound Power Level Spectra are in dB re-1pW.

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Accessories & Wiring Data

AC

For more information on Accessories & Wiring Diagrams, please see individual product downloads, or visit eltaselect.com/information-centre

SINGLE Phase - 220V to 240V / 50Hz

Product Code	3 Speed Switch	Clamps (each)	Damper	Reducing Adaptor	Y-Piece	Panel Filter
SJS150	149-3SP-C	018-150-CLAMP	018-150-SJSD	018-0150-SJSR	018-0150-SJSY	018-0150-FILT-P
SJS150S	-	018-150-CLAMP	018-150-SJSD	018-0150-SJSR	018-0150-SJSY	018-0150-FILT-P
SJS200	149-3SP-C	018-200-CLAMP	018-200-SJSD	-	-	018-0200-FILT-P
SJS200S	-	018-200-CLAMP	018-200-SJSD	-	-	018-0200-FILT-P

Product Code	Silencer 300mm Long	Silencer 600mm Long	Silencer 900mm Long	Silencer 1200mm Long	Wiring Diagram No.
SJS150	068-0150-JF1	068-0150-JF2	068-0150-JF3	068-0150-JF4	152-506
SJS150S	068-0150-JF1	068-0150-JF2	068-0150-JF3	068-0150-JF4	152-506
SJS200	068-0200-JF1	068-0200-JF2	068-0200-JF3	068-0200-JF4	152-506
SJS200S	068-0200-JF1	068-0200-JF2	068-0200-JF3	068-0200-JF4	152-506

Optimum Energy Efficiency Point

SINGLE Phase - 220V to 240V / 50Hz

Product Code		Volume m^3/s	Pressue Pa	Input kW	Speed r/min	Efficiency %	FMEG
SJS150	HIGH	0.080	167	0.081	2480	16.5	-
	MED	0.050	133	0.060	1920	11.1	-
	LOW	0.018	128	0.049	1260	4.8	-
SJS150S		0.080	167	0.081	2460	16.5	-
SJS200	HIGH	0.112	172	0.121	2530	15.9	-
	MED	0.100	45	0.764	1850	5.9	-
	LOW	0.046	36	0.066	1130	2.5	-
SJS200S		0.112	172	0.121	2530	15.9	-

Data provided at standard air density of 1.2 kg/m^3.
Values are per ISO 12759 installation category D (total).
Outside the scope of ISO12759 and ErP legislation.

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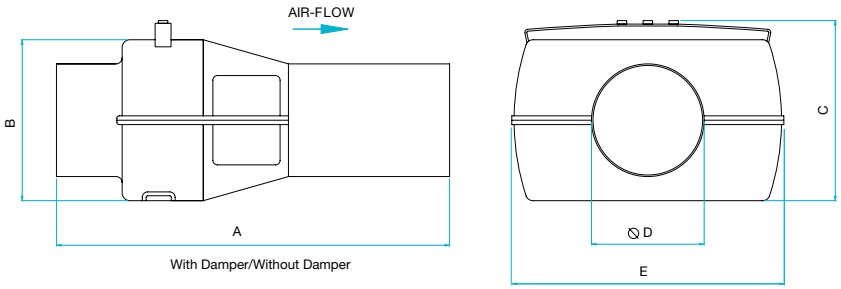
Dimensional Data



Product Code	A	B	C	D	E	Weight kg
SJS150	513/350	210	235	147	355	3
SJS200	588/375	240	268	197	380	3.3

All dimensions are expressed in mm.
N.B. Damper supplied separately, 018-0150-SJSD & 018-0200-SJ-SD.

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