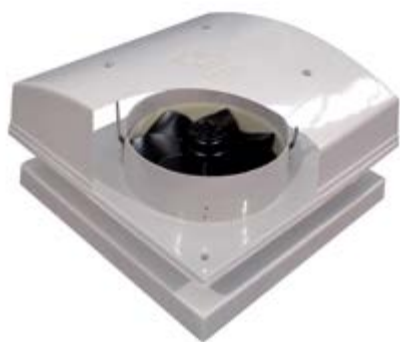




Skyflow SSR

Product Brochure

t: 01384 275800

f: 01384 275810

e: bs@eltafans.co.uk

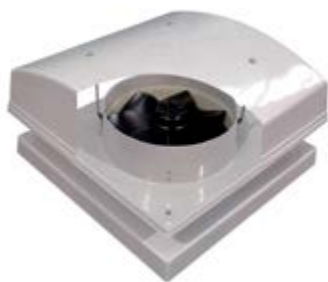
visit: eltaselect.com



Skyflow SSR

Roof Mounted Axial Flow Fan

roof



OVERVIEW

The Skyflow SSR incorporates the BAT (Best Available Technology) FE2owlet sickle bladed aerofoil profiled impeller, with serrated trailing edges and winglets powered by the ultra reliable Ziehl-Abegg external rotor motor. The Skyflow is UV stabilised for a durable, long lasting product, which delivers exceptional performance and noise characteristics.

MORE INFORMATION

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QUICK FACTS

- ✓ 9 standard sizes from 250mm to 710mm.
- ✓ Air volume flow rates up to 4.15 m³/s.
- ✓ Static pressures up to 250 Pa.
- ✓ Suitable for operating temperatures up to +70°C.
- ✓ Impellers are high quality Ziehl-Abegg FE2owlet.

CASING

The top cowl and fan support housing shall be manufactured from UV stabilised GRP finished in goose wing grey (BS 00-A-05). The all metal fan casing and guard provides a long lasting and robust construction.

The fans have been constructed from mild steel and suitably treated to ensure full corrosion protection, the guard shall be powder coated polyester epoxy paint finish in black (RAL 9005). Fan plates shall have a powder coated polyester epoxy paint finish in pastel beige (RAL 7032).

IMPELLER

Ziehl-Abegg FE2owlet impellers are provided with blades made from high quality pressure die cast aluminium or high performance composite

material providing enhanced aerodynamic properties, low noise and increased efficiency.

Assembled impellers are to be dynamically balanced to ISO 14694 Grade G6.3 and finished in black (RAL 9005).

MOTORS

Motors are highly efficient, lightweight external rotor motors, insulated to Class F, with integral thermal overload protection, with sealed for life, maintenance free ball bearings.

Sizes 250-350 weatherproofed to IP44. Sizes 400-710 weatherproofed to IP54. All fans are suitable for use with a speed controller. Manufactured by Ziehl-Abegg providing increased reliability.

Electrical connection to the motor is provided by an IP55 terminal box which is fitted to a flying lead.

QUALITY MANAGEMENT

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

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

TYPICAL APPLICATIONS

- Libraries
- Hospitals
- Offices
- Banks
- Small Industrial Units
- Retail Parks



Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication. Confirmation of dimensions and data will be supplied on request.

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	450	500			FLC Amps	SC Amps	Input kW		
SSR250/2-1AC	2110	m³ / s	0.391	0.356	0.322	0.290	0.260									24.3	N29	0.57	0.84	0.130	Inlet	52
		W / (L/s)	0.31	0.34	0.39	0.44	0.49														Outlet	52
SSR250/4-1AC	1348	m³ / s	0.212	0.153	0.079											9.0	-	0.24	0.40	0.049	Inlet	46
		W / (L/s)	0.23	0.31	0.61																Outlet	40
SSR315/4-1AC	1367	m³ / s	0.504	0.459	0.418	0.355										20.1	N31	0.63	0.75	0.142	Inlet	48
		W / (L/s)	0.26	0.29	0.33	0.40															Outlet	47
SSR350/4-1AC	1106	m³ / s	0.569	0.480	0.378	0.257										15.1	N26	0.60	1.20	0.134	Inlet	44
		W / (L/s)	0.23	0.27	0.35	0.51															Outlet	43
SSR400/4-1AC	1348	m³ / s	0.877	0.802	0.732	0.662	0.592									27.4	N37	1.10	2.30	0.258	Inlet	54
		W / (L/s)	0.25	0.29	0.33	0.37	0.41														Outlet	51
SSR450/4-1AC	1299	m³ / s	1.319	1.252	1.181	1.107	1.029	0.862								24.3	N32	2.55	6.30	0.552	Inlet	57
		W / (L/s)	0.41	0.44	0.47	0.50	0.54	0.63													Outlet	56
SSR450/6-1AC	912	m³ / s	0.930	0.814	0.702											20.4	N31	0.92	2.50	0.196	Inlet	47
		W / (L/s)	0.21	0.24	0.28																Outlet	49
SSR500/4-1AC	1252	m³ / s	1.865	1.764	1.658	1.544	1.419	1.093								21.0	N28	3.80	7.10	0.797	Inlet	61
		W / (L/s)	0.41	0.44	0.47	0.51	0.56	0.71													Outlet	56
SSR500/6-1AC	907	m³ / s	1.379	1.199	1.013											19.9	N29	1.34	2.80	0.297	Inlet	51
		W / (L/s)	0.21	0.25	0.29																Outlet	48
SSR560/4-1AC	1360	m³ / s	2.269	2.154	2.034	1.911	1.788	1.551								22.4	N28	5.13	11.00	1.164	Inlet	63
		W / (L/s)	0.51	0.54	0.57	0.60	0.64	0.72													Outlet	61
SSR560/6-1AC	928	m³ / s	1.593	1.460	1.335	1.179										20.7	N28	2.26	5.30	0.500	Inlet	55
		W / (L/s)	0.31	0.34	0.37	0.42															Outlet	54
SSR630/6-1AC	849	m³ / s	2.355	2.165	1.961	1.786	1.580									25.1	N32	2.99	5.30	0.655	Inlet	53
		W / (L/s)	0.26	0.29	0.33	0.36	0.41														Outlet	52

Overall static efficiency and r/min values are as per ISO 12759 installation category C. 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.

Tabulated data includes shutter.

SINGLE Phase - 220V to 240V / 50Hz

Product Code	Speed r/min		Sound Power Level dBW @ Octave Band Hz								Total dB	Silencer dBA Attenuation		
			63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz		600L	900L	1200L
SSR250/2-1AC	2110	Inlet	65	67	74	64	66	65	64	62	77	-15	-20	-25
		Outlet	66	66	76	67	66	64	62	60	78	-	-	-
SSR250/4-1AC	1348	Inlet	60	73	69	65	58	56	51	47	75	-12	-16	-20
		Outlet	57	60	61	60	53	50	47	39	66	-	-	-
SSR315/4-1AC	1367	Inlet	63	75	66	63	64	62	57	52	76	-12	-14	-16
		Outlet	66	72	67	64	64	59	54	50	75	-	-	-
SSR350/4-1AC	1106	Inlet	61	70	64	61	57	57	52	47	72	-12	-14	-17
		Outlet	65	67	66	61	57	55	49	45	72	-	-	-
SSR400/4-1AC	1348	Inlet	66	71	81	66	67	65	60	55	82	-10	-15	-19
		Outlet	69	73	77	67	64	62	57	53	79	-	-	-
SSR450/4-1AC	1299	Inlet	77	85	82	70	70	67	62	60	87	-10	-13	-16
		Outlet	77	84	81	74	69	65	60	57	87	-	-	-
SSR450/6-1AC	912	Inlet	67	72	72	62	61	56	49	45	76	-11	-15	-18
		Outlet	68	81	74	65	60	55	48	43	82	-	-	-
SSR500/4-1AC	1252	Inlet	72	82	87	75	74	71	65	59	89	-10	-14	-15
		Outlet	75	84	80	73	71	67	61	57	86	-	-	-
SSR500/6-1AC	907	Inlet	66	71	78	66	62	59	52	47	79	-9	-13	-14
		Outlet	68	71	76	63	60	55	49	45	78	-	-	-
SSR560/4-1AC	1360	Inlet	80	83	83	78	78	77	73	68	88	-12	-17	-19
		Outlet	81	86	82	78	75	74	71	66	89	-	-	-
SSR560/6-1AC	928	Inlet	72	75	81	70	70	67	60	55	83	-9	-14	-15
		Outlet	75	85	78	69	67	63	58	53	86	-	-	-
SSR630/6-1AC	849	Inlet	68	72	77	70	66	65	59	54	80	-12	-17	-21
		Outlet	71	76	78	68	64	61	56	51	81	-	-	-

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.

THREE Phase - 380V to 415V / 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	450	500			FLC Amps	SC Amps	Input kW	Δ / Y		
SSR400/4/6-3AC	1383	m³ / s	0.888	0.822	0.753	0.682	0.609									29.7	N40	0.46	1.60	0.233	Δ	Inlet	50
		W / (L/s)	0.23	0.25	0.29	0.33	0.38															Outlet	49
	1139	m³ / s	0.759	0.662	0.555	0.460										21.1		0.27	0.55	0.176	Y	Inlet	44
		W / (L/s)	0.21	0.25	0.31	0.38																Outlet	45
SSR450/4/6-3AC	1374	m³ / s	1.373	1.304	1.233	1.159	1.084	0.932								26.4	N34	1.13	3.8	0.583	Δ	Inlet	56
		W / (L/s)	0.40	0.43	0.46	0.49	0.53	0.62														Outlet	56
	1088	m³ / s	1.072	0.980	0.882	0.777	0.666									17.2		0.70	2.6	0.407	Y	Inlet	49
		W / (L/s)	0.38	0.41	0.46	0.52	0.61															Outlet	50
SSR500/4/6-3AC	1337	m³ / s	1.985	1.902	1.812	1.714	1.606	1.350								25.6	N32	1.49	4.7	0.845	Δ	Inlet	56
		W / (L/s)	0.41	0.43	0.45	0.48	0.51	0.61														Outlet	56
	973	m³ / s	1.457	1.315	1.132	0.919	0.728									13.7		0.95	1.55	0.548	Y	Inlet	51
		W / (L/s)	0.37	0.41	0.48	0.59	0.74															Outlet	50
SSR560/4/6-3AC	1289	m³ / s	2.216	2.105	1.991	1.875	1.760	1.537	1.334	1.153						25.1	N31	2.57	7	1.257	Δ	Inlet	62
		W / (L/s)	0.55	0.59	0.63	0.66	0.70	0.78	0.87	1.00												Outlet	61
	928	m³ / s	1.537	1.366	1.227	1.099	0.922									15.1		1.27	2.3	0.649	Y	Inlet	54
		W / (L/s)	0.42	0.47	0.52	0.58	0.68															Outlet	52
SSR630/4/6-3AC	1342	m³ / s	3.730	3.615	3.492	3.361	3.223	2.925	2.613	2.308						31.0	N35	3.36	21	1.943	Δ	Inlet	65
		W / (L/s)	0.50	0.52	0.54	0.56	0.59	0.65	0.73	0.84												Outlet	64
	1077	m³ / s	3.017	2.851	2.681	2.505	2.322	1.930								22.6		2.16	7	1.337	Y	Inlet	61
		W / (L/s)	0.43	0.46	0.49	0.53	0.57	0.68														Outlet	60
SSR630/6/8-3AC	903	m³ / s	2.451	2.288	2.105	1.943	1.755									30.3	N37	1.26	4.9	0.652	Δ	Inlet	53
		W / (L/s)	0.25	0.27	0.30	0.33	0.37															Outlet	51
	711	m³ / s	1.980	1.734	1.489											19.7		0.74	2.8	0.447	Y	Inlet	48
		W / (L/s)	0.21	0.24	0.28																	Outlet	47
SSR710/4/6-3AC	1341	m³ / s	4.152	4.021	3.867	3.714	3.563	3.180								20.3	N24	4.59	21	2.541	Δ	Inlet	67
		W / (L/s)	0.61	0.63	0.66	0.68	0.71	0.78														Outlet	65
	1031	m³ / s	3.122	2.929	2.748	2.537	2.268									17.8		2.87	7	1.619	Y	Inlet	61
		W / (L/s)	0.51	0.55	0.59	0.63	0.69															Outlet	59
SSR710/6/8-3AC	893	m³ / s	2.879	2.725	2.517	2.272										27.2	N33	1.71	5.8	0.901	Δ	Inlet	55
		W / (L/s)	0.30	0.33	0.35	0.39																Outlet	54
	711	m³ / s	2.277	2.023	1.754											16.2		1.09	2	0.671	Y	Inlet	50
		W / (L/s)	0.27	0.32	0.37																	Outlet	48

Overall static efficiency and r/min values are as per ISO 12759 installation category C. FLC Amps @ 400V / 3Ph / 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.

Tabulated data includes shutter.

THREE Phase - 380V to 415V / 50Hz

Product Code	Δ / Y		Sound Power Level dBW @ Octave Band Hz								Total dB	Silencer dBA Attenuation		
			63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz		600L	900L	1200L
SSR400/4/6-3AC	Δ	Inlet	66	68	70	65	66	63	59	53	75	-15	-20	-24
		Outlet	66	70	72	66	64	61	56	50	76	-	-	-
	Y	Inlet	61	69	66	63	62	60	54	48	73	-14	-18	-21
		Outlet	62	70	65	62	60	57	51	45	73	-	-	-
SSR450/4/6-3AC	Δ	Inlet	74	85	77	69	71	68	63	61	86	-11	-13	-16
		Outlet	77	86	80	73	70	66	61	59	88	-	-	-
	Y	Inlet	68	73	70	65	65	61	55	52	76	-13	-17	-20
		Outlet	71	78	71	69	65	59	54	50	80	-	-	-
SSR500/4/6-3AC	Δ	Inlet	74	80	78	74	71	68	65	61	84	-10	-14	-16
		Outlet	76	85	78	74	70	65	62	59	87	-	-	-
	Y	Inlet	67	72	74	68	68	61	56	51	78	-10	-15	-17
		Outlet	71	76	73	68	62	61	53	48	79	-	-	-
SSR560/4/6-3AC	Δ	Inlet	79	86	80	79	78	76	71	66	89	-10	-16	-17
		Outlet	82	89	80	78	76	73	69	64	91	-	-	-
	Y	Inlet	72	74	74	70	70	67	61	56	80	-11	-17	-19
		Outlet	75	76	73	70	68	64	58	53	80	-	-	-
SSR630/4/6-3AC	Δ	Inlet	80	89	82	81	80	80	76	70	92	-15	-18	-21
		Outlet	85	92	83	81	79	76	74	69	94	-	-	-
	Y	Inlet	75	83	77	77	76	76	71	65	86	-16	-20	-23
		Outlet	79	89	80	77	74	72	68	62	90	-	-	-
SSR630/6/8-3AC	Δ	Inlet	67	74	77	72	66	63	60	57	80	-12	-16	-20
		Outlet	70	80	74	70	65	60	56	54	82	-	-	-
	Y	Inlet	66	69	69	67	62	59	55	52	74	-14	-18	-22
		Outlet	70	72	70	65	61	55	51	48	76	-	-	-
SSR710/4/6-3AC	Δ	Inlet	86	89	87	84	83	80	76	73	94	-14	-18	-21
		Outlet	86	90	85	83	81	77	73	70	93	-	-	-
	Y	Inlet	83	83	82	78	76	74	68	66	88	-14	-18	-22
		Outlet	83	84	80	77	74	71	66	63	88	-	-	-
SSR710/6/8-3AC	Δ	Inlet	74	76	79	73	70	67	62	60	83	-12	-16	-20
		Outlet	75	82	77	71	68	64	59	57	84	-	-	-
	Y	Inlet	68	70	72	69	65	62	55	54	77	-13	-18	-22
		Outlet	72	72	72	67	63	58	53	52	77	-	-	-

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.

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	Electronic Controller	Transformer Controller	Backdraft Shutter	Purlin Box	Soaker Sheet	Cowl Only (Standard)	Cowl Only (c/w Bird Guard)	Cowl Only (c/w Shutters)	Cowl Only (c/w Bird Guard & Shutters)
SSR250/2-1AC	149-EL31	149-TC12	039-SFSV-25	039B-PB25	039-SP25	SSR25	SSR25B	SSR25S	SSR25BS
SSR250/4-1AC	149-EL31	149-TC12	039-SFSV-25	039B-PB25	039-SP25	SSR25	SSR25B	SSR25S	SSR25BS
SSR315/4-1AC	149-EL31	149-TC12	039-SFSV-31/35	039B-PB31/35	039-SP31/35	SSR31/35	SSR31/35B	SSR31/35S	SSR31/35BS
SSR350/4-1AC	149-EL31	149-TC12	039-SFSV-31/35	039B-PB31/35	039-SP31/35	SSR31/35	SSR31/35B	SSR31/35S	SSR31/35BS
SSR400/4-1AC	149-EL31TK	149-TC12	039-SFSV-40/45	039B-PB40/45	039-SP40/45	SSR40/45	SSR40/45B	SSR40/45S	SSR40/45BS
SSR450/4-1AC	149-EL31TK	149-TC12	039-SFSV-40/45	039B-PB40/45	039-SP40/45	SSR40/45	SSR40/45B	SSR40/45S	SSR40/45BS
SSR450/6-1AC	149-EL31TK	149-TC14	039-SFSV-40/45	039B-PB40/45	039-SP40/45	SSR40/45	SSR40/45B	SSR40/45S	SSR40/45BS
SSR500/4-1AC	149-EL31TK	149-TC12	039-SFSV-50/56	039B-PB50/56	039-SP50/56	SSR50/56	SSR50/56B	SSR50/56S	SSR50/56BS
SSR500/6-1AC	149-EL31TK	149-TC14	039-SFSV-50/56	039B-PB50/56	039-SP50/56	SSR50/56	SSR50/56B	SSR50/56S	SSR50/56BS
SSR560/4-1AC	149-EL31TK	149-TC14	039-SFSV-50/56	039B-PB50/56	039-SP50/56	SSR50/56	SSR50/56B	SSR50/56S	SSR50/56BS
SSR560/6-1AC	149-EL31TK	149-TC18	039-SFSV-50/56	039B-PB50/56	039-SP50/56	SSR50/56	SSR50/56B	SSR50/56S	SSR50/56BS
SSR630/6-1AC	149-EL31TK	149-TC14	039-SFSV-63/71	039B-PB63/71	039-SP63/71	SSR63/71	SSR63/71B	SSR63/71S	SSR63/71BS

Product Code	Drop in Silencer 600mm Long	Drop in Silencer 900mm Long	Drop in Silencer 1200mm Long	Wiring Diagram No.
SSR250/2-1AC	068-SFDS-0600-E	068-SFDS-0900-E	068-SFDS-1200-E	152-177
SSR250/4-1AC	068-SFDS-0600-E	068-SFDS-0900-E	068-SFDS-1200-E	152-177
SSR315/4-1AC	068-SFDS-0600-A	068-SFDS-0900-A	068-SFDS-1200-A	152-177
SSR350/4-1AC	068-SFDS-0600-A	068-SFDS-0900-A	068-SFDS-1200-A	152-177
SSR400/4-1AC	068-SFDS-0600-B	068-SFDS-0900-B	068-SFDS-1200-B	152-104B
SSR450/4-1AC	068-SFDS-0600-B	068-SFDS-0900-B	068-SFDS-1200-B	152-104B
SSR450/6-1AC	068-SFDS-0600-B	068-SFDS-0900-B	068-SFDS-1200-B	152-104B
SSR500/4-1AC	068-SFDS-0600-C	068-SFDS-0900-C	068-SFDS-1200-C	152-104B
SSR500/6-1AC	068-SFDS-0600-C	068-SFDS-0900-C	068-SFDS-1200-C	152-104B
SSR560/4-1AC	068-SFDS-0600-C	068-SFDS-0900-C	068-SFDS-1200-C	152-104B
SSR560/6-1AC	068-SFDS-0600-C	068-SFDS-0900-C	068-SFDS-1200-C	152-104B
SSR630/6-1AC	068-SFDS-0600-D	068-SFDS-0900-D	068-SFDS-1200-D	152-104B

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

THREE Phase - 380V to 415V / 50Hz

Product Code	Transformer Controller	Backdraft Shutter	Purlin Box	Soaker Sheet	Cowl Only (Standard)	Cowl Only (c/w Bird Guard)	Cowl Only (c/w Bird Guard)	Cowl Only (c/w Shutters)	Cowl Only (c/w Bird Guard & Shutters)
SSR400/4/6-3AC	149-TC33	039-SFSV-40/45	039B-PB40/45	039-SP40/45	SSR40/45	SSR40/45B	SSR40/45B	SSR40/45S	SSR40/45BS
SSR450/4/6-3AC	149-TC33	039-SFSV-40/45	039B-PB40/45	039-SP40/45	SSR40/45	SSR40/45B	SSR40/45B	SSR40/45S	SSR40/45BS
SSR500/4/6-3AC	149-TC33	039-SFSV-50/56	039B-PB50/56	039-SP50/56	SSR50/56	SSR50/56B	SSR50/56B	SSR50/56S	SSR50/56BS
SSR560/4/6-3AC	149-TC33	039-SFSV-50/56	039B-PB50/56	039-SP50/56	SSR50/56	SSR50/56B	SSR50/56B	SSR50/56S	SSR50/56BS
SSR630/4/6-3AC	149-TC310	039-SFSV-63/71	039B-PB63/71	039-SP63/71	SSR63/71	SSR63/71B	SSR63/71B	SSR63/71S	SSR63/71BS
SSR630/6/8-3AC	149-TC33	039-SFSV-63/71	039B-PB63/71	039-SP63/71	SSR63/71	SSR63/71B	SSR63/71B	SSR63/71S	SSR63/71BS
SSR710/4/6-3AC	149-TC35	039-SFSV-63/71	039B-PB63/71	039-SP63/71	SSR63/71	SSR63/71B	SSR63/71B	SSR63/71S	SSR63/71BS
SSR710/6/8-3AC	149-TC33	039-SFSV-63/71	039B-PB63/71	039-SP63/71	SSR63/71	SSR63/71B	SSR63/71B	SSR63/71S	SSR63/71BS

Product Code	Drop in Silencer 600mm Long	Drop in Silencer 900mm Long	Drop in Silencer 1200mm Long	Wiring Diagram No.
SSR400/4/6-3AC	068-SFDS-0600-B	068-SFDS-0900-B	068-SFDS-1200-B	152-108
SSR450/4/6-3AC	068-SFDS-0600-B	068-SFDS-0900-B	068-SFDS-1200-B	152-108
SSR500/4/6-3AC	068-SFDS-0600-C	068-SFDS-0900-C	068-SFDS-1200-C	152-108
SSR560/4/6-3AC	068-SFDS-0600-C	068-SFDS-0900-C	068-SFDS-1200-C	152-108
SSR630/4/6-3AC	068-SFDS-0600-D	068-SFDS-0900-D	068-SFDS-1200-D	152-108
SSR630/6/8-3AC	068-SFDS-0600-D	068-SFDS-0900-D	068-SFDS-1200-D	152-108
SSR710/4/6-3AC	068-SFDS-0600-D	068-SFDS-0900-D	068-SFDS-1200-D	152-108
SSR710/6/8-3AC	068-SFDS-0600-D	068-SFDS-0900-D	068-SFDS-1200-D	152-108

Optimum Energy Efficiency Point

SINGLE Phase - 220V to 240V / 50Hz

Product Code	Volume m³/s	Pressure Pa	Input kW	Speed r/min	Efficiency %	FMEG
SSR250/2-1AC	0.248	111	0.129	2110	24.3	N29
SSR250/4-1AC	0.115	37	0.048	1348	9.0	N23
SSR315/4-1AC	0.311	88	0.136	1367	20.1	N31
SSR350/4-1AC	0.311	65	0.133	1106	15.1	N26
SSR400/4-1AC	0.459	143	0.240	1348	27.4	N37
SSR450/4-1AC	0.843	156	0.540	1299	24.3	N32
SSR450/6-1AC	0.651	61	0.195	912	20.4	N31
SSR500/4-1AC	1.085	151	0.780	1252	21.0	N28
SSR500/6-1AC	0.836	69	0.288	907	19.9	N29
SSR560/4-1AC	1.463	170	1.107	1360	22.4	N28
SSR560/6-1AC	1.040	97	0.487	928	20.7	N28
SSR630/6-1AC	1.413	115	0.649	849	25.1	N32

THREE Phase - 380V to 415V / 50Hz

Product Code	Volume m³/s	Pressure Pa	Input kW	Speed r/min	Efficiency %	FMEG
SSR400/4/6-3ACS	0.531	126	0.226	1383	29.7	N40
SSR450/4/6-3ACS	0.870	171	0.563	1374	26.4	N34
SSR500/4/6-3ACS	1.133	184	0.817	1337	25.6	N32
SSR560/4/6-3ACS	1.128	258	1.155	1289	25.1	N31
SSR630/4/6-3ACS	2.080	290	1.949	1342	31.0	N35
SSR630/6/8-3ACS	1.584	124	0.648	903	30.3	N37
SSR710/4/6-3ACS	2.845	169	2.367	1341	20.3	N24
SSR710/6/8-3ACS	1.797	151	0.996	893	27.2	N33

SINGLE Phase - 200V to 277V / 1Ph / 50Hz or 60Hz

Product Code	Control Voltage	Airflow	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		
SSR400/4-1EC	10V	m³ / s	1.286	1.235	1.178	1.122	1.070	0.973	0.869	0.689					32.7	N40	2.60	0.590	Inlet	-
		W / (L/s)	0.37	0.40	0.43	0.47	0.51	0.58	0.65	0.77									Outlet	-
	8V	m³ / s	1.008	0.945	0.876	0.811	0.746	0.561							33.0		1.29	0.276	Inlet	-
		W / (L/s)	0.23	0.26	0.29	0.33	0.36	0.46											Outlet	-
	5V	m³ / s	0.584	0.476	0.376										29.8		0.37	0.068	Inlet	-
		W / (L/s)	0.11	0.14	0.18														Outlet	-
	2V	m³ / s													-		-	-	Inlet	-
		W / (L/s)																	Outlet	-
SSR450/4-1EC	10V	m³ / s	1.154	1.102	1.029	0.938	0.842								33.7	N43	1.61	0.333	Inlet	-
		W / (L/s)	0.28	0.29	0.31	0.35	0.39												Outlet	-
	8V	m³ / s	0.880	0.799	0.671	0.493									27.9		0.79	0.158	Inlet	-
		W / (L/s)	0.17	0.19	0.23	0.31													Outlet	-
	5V	m³ / s	0.503	0.293											21.5		0.25	0.042	Inlet	-
		W / (L/s)	0.09	0.14															Outlet	-
	2V	m³ / s													-		-	-	Inlet	-
		W / (L/s)																	Outlet	-
SSR500/4-1EC	10V	m³ / s	2.257	2.151	2.040	1.927	1.812	1.574	1.308						34.2	N40	3.90	0.888	Inlet	-
		W / (L/s)	0.36	0.38	0.41	0.44	0.48	0.56	0.64										Outlet	-
	8V	m³ / s	1.794	1.672	1.543	1.405	1.256								34.5		2.04	0.449	Inlet	-
		W / (L/s)	0.23	0.25	0.28	0.31	0.35												Outlet	-
	5V	m³ / s	1.072	0.782											24.0		0.53	0.108	Inlet	-
		W / (L/s)	0.09	0.14															Outlet	-
	2V	m³ / s													-		-	-	Inlet	-
		W / (L/s)																	Outlet	-
SSR560/4-1EC	10V	m³ / s	2.193	2.099	1.990	1.858	1.694								26.6	N33	3.83	0.868	Inlet	-
		W / (L/s)	0.40	0.41	0.43	0.46	0.51												Outlet	-
	8V	m³ / s	1.765	1.634	1.465	1.223									25.9		2.04	0.442	Inlet	-
		W / (L/s)	0.25	0.27	0.30	0.34													Outlet	-
	5V	m³ / s	1.052	0.702											21.5		0.52	0.105	Inlet	-
		W / (L/s)	0.10	0.14															Outlet	-
	2V	m³ / s													-		-	-	Inlet	-
		W / (L/s)																	Outlet	-
SSR630/4-1EC	10V	m³ / s	2.777	2.642	2.498	2.343	2.176	1.794							35.2	N41	4.17	0.921	Inlet	-
		W / (L/s)	0.31	0.33	0.36	0.38	0.42	0.51											Outlet	-
	8V	m³ / s	2.186	2.026	1.854	1.655	1.403								33.7		2.21	0.469	Inlet	-
		W / (L/s)	0.21	0.22	0.25	0.28	0.33												Outlet	-
	5V	m³ / s	1.329	0.856											26.6		0.56	0.113	Inlet	-
		W / (L/s)	0.08	0.13															Outlet	-
	2V	m³ / s													-		-	-	Inlet	-
		W / (L/s)																	Outlet	-

Overall static efficiency, r/min and FMEG values are as per ISO 12759 installation category C. FLC Amps @ 230V / 1Ph / 50Hz.

The overall A-scale sound pressure level is at a distance of three meters with spherical propagation. It is expressed in dB re 20µPa and is presented for comparative purposes only.

A variable speed drive is integrated within the fan.

SINGLE Phase - 200V to 277V / 1Ph / 50Hz or 60Hz

Product Code	Control Voltage	Airflow	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		
SSR710/6-1EC	10V	m³ / s	2.800	2.569	2.277	1.986	1.756								31.4	N38	3.50	0.789	Inlet	-
		W / (L/s)	0.29	0.30	0.33	0.37	0.42												Outlet	-
	8V	m³ / s	2.212	1.937	1.581	1.250									29.3		1.87	0.406	Inlet	-
		W / (L/s)	0.19	0.20	0.24	0.30													Outlet	-
	5V	m³ / s	1.274												13.7		0.49	0.097	Inlet	-
		W / (L/s)	0.08																Outlet	-
	2V	m³ / s													-				Inlet	-
		W / (L/s)																	Outlet	-

Overall static efficiency, r/min and FMEG values are as per ISO 12759 installation category C. FLC Amps @ 230V / 1Ph / 50Hz.

The overall A-scale sound pressure level is at a distance of three meters with spherical propagation. It is expressed in dB re 20µPa and is presented for comparative purposes only.

A variable speed drive is integrated within the fan.

SINGLE Phase - 200V to 277V / 1Ph / 50Hz or 60Hz

Product Code	Control Voltage		Sound Power Level dBW @ Octave Band Hz								Total dB
			63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz	
SSR400/4-1EC	10V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
SSR450/4-1EC	10V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
SSR500/4-1EC	10V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
SSR560/4-1EC	10V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
SSR630/4-1EC	10V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-

Data provided at standard air density of 1.2 kg/m³.

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.

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication. Confirmation of dimensions and data will be supplied on request.

SINGLE Phase - 200V to 277V / 50Hz or 60Hz

Product Code	Control Voltage		Sound Power Level dBW @ Octave Band Hz								Total dB
			63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz	
SSR710/6-1EC	10V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-

Data provided at standard air density of 1.2 kg/m³.

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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THREE Phase - 380V to 480V / 3Ph / 50Hz or 60Hz

Product Code	Control Voltage	Airflow	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		
SSR500/4-3EC	10V	m³ / s	2.450	2.349	2.247	2.143	2.037	1.819	1.589						35.9	N42	2.27	1.492	Inlet	57
		W / (L/s)	0.40	0.43	0.46	0.49	0.52	0.60	0.68					Outlet					61	
	8V	m³ / s	1.957	1.830	1.698	1.563	1.429	1.167						35.3	1.34		0.803	Inlet	51	
		W / (L/s)	0.26	0.29	0.32	0.35	0.39	0.47					Outlet					55		
	5V	m³ / s	1.170	0.966	0.704									30.1	0.49		0.200	Inlet	40	
		W / (L/s)	0.11	0.13	0.19								Outlet					42		
	2V	m³ / s												-	-		-	Inlet	-	
		W / (L/s)											Outlet					-		
SSR560/4-3EC	10V	m³ / s	2.421	2.316	2.210	2.098	1.975	1.665						27.4	N33	3.88	2.603	Inlet	61	
		W / (L/s)	0.46	0.48	0.50	0.53	0.56	0.64					Outlet					64		
	8V	m³ / s	1.926	1.795	1.652	1.478	1.262							27.9		2.12	1.359	Inlet	55	
		W / (L/s)	0.29	0.31	0.33	0.37	0.41						Outlet					58		
	5V	m³ / s	1.150	0.874										24.4		0.69	0.326	Inlet	42	
		W / (L/s)	0.12	0.15									Outlet					47		
	2V	m³ / s												-		-	-	Inlet	-	
		W / (L/s)											Outlet					-		
SSR630/4-3EC	10V	m³ / s	3.204	3.097	2.982	2.859	2.726	2.426	2.081	1.707				36.9	N42	5.32	3.50	Inlet	61	
		W / (L/s)	0.39	0.41	0.43	0.45	0.48	0.55	0.63	0.74								Outlet	65	
	8V	m³ / s	2.543	2.417	2.277	2.120	1.941	1.470						37.7		2.83	1.83	Inlet	56	
		W / (L/s)	0.26	0.28	0.30	0.32	0.36	0.45					Outlet					59		
	5V	m³ / s	1.543	1.283										30.9		0.88	0.44	Inlet	43	
		W / (L/s)	0.10	0.13									Outlet					46		
	2V	m³ / s												-		-	-	Inlet	-	
		W / (L/s)											Outlet					-		
SSR710/6-3EC	10V	m³ / s	2.979	2.779	2.552	2.302	2.038	1.544						30.1	N36	5.33	3.638	Inlet	64	
		W / (L/s)	0.33	0.34	0.36	0.39	0.44	0.56					Outlet					67		
	8V	m³ / s	2.370	2.114	1.814	1.516	1.262							31.4		2.85	1.897	Inlet	58	
		W / (L/s)	0.21	0.23	0.26	0.30	0.36						Outlet					58		
	5V	m³ / s	1.478	0.530										15.9		0.89	0.448	Inlet	46	
		W / (L/s)	0.08	0.20									Outlet					46		
	2V	m³ / s												-		-	-	Inlet	-	
		W / (L/s)											Outlet					-		

Overall static efficiency, r/min and FMEG values are as per ISO 12759 installation category C". FLC Amps @ 400V / 3Ph / 50Hz.

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.

A variable speed drive is integrated within the fan.

THREE Phase - 380V to 480V / 3Ph / 50Hz or 60Hz

Product Code	Control Voltage		Sound Power Level dBW @ Octave Band Hz								Total dB
			63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz	
SSR500/4-3EC	10V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
SSR560/4-3EC	10V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
SSR630/4-3EC	10V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
SSR710/6-3EC	10V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-

Data provided at standard air density of 1.2 kg/m³.

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

SINGLE Phase - 200V to 277V / 50Hz or 60Hz

Product Code	Electronic Controller	Wiring Diagram No.no
SSR400/4-1EC	149-POT-10	152-00044
SSR450/4-1EC	149-POT-10	152-MOEA03K1
SSR500/4-1EC	149-POT-10	152-MOEA03K1
SSR560/4-1EC	149-POT-10	152-MOEA03K1
SSR630/4-1EC	149-POT-10	152-MOEA03K1
SSR710/6-1EC	149-POT-10	152-MOEA03K1

THREE Phase - 380V to 480V / 50Hz or 60Hz

Product Code	Electronic Controller	Drop in Silencer 600mm Long	Drop in Silencer 900mm Long	Drop in Silencer 1200mm Long	Wiring Diagram No.no
SSR500/4-3EC	149-POT-10	068-SFDS-0600-C	068-SFDS-0900-C	068-SFDS-1200-C	152-MOEA03K3
SSR560/4-3EC	149-POT-10	068-SFDS-0600-C	068-SFDS-0900-C	068-SFDS-1200-C	152-MOEA03K3
SSR630/4-3EC	149-POT-10	068-SFDS-0600-D	068-SFDS-0900-D	068-SFDS-1200-D	152-MOEA03K3
SSR710/6-3EC	149-POT-10	068-SFDS-0600-D	068-SFDS-0900-D	068-SFDS-1200-D	152-MOEA03K3

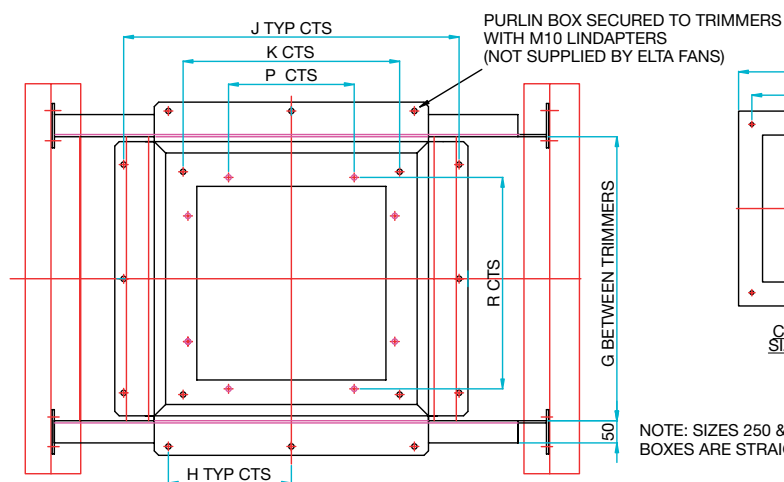
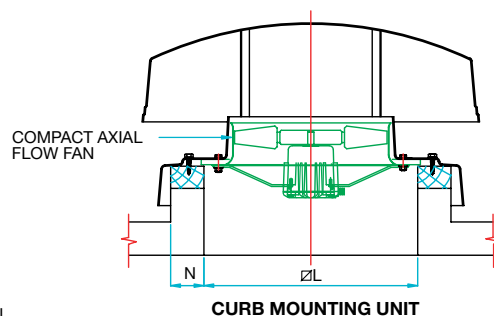
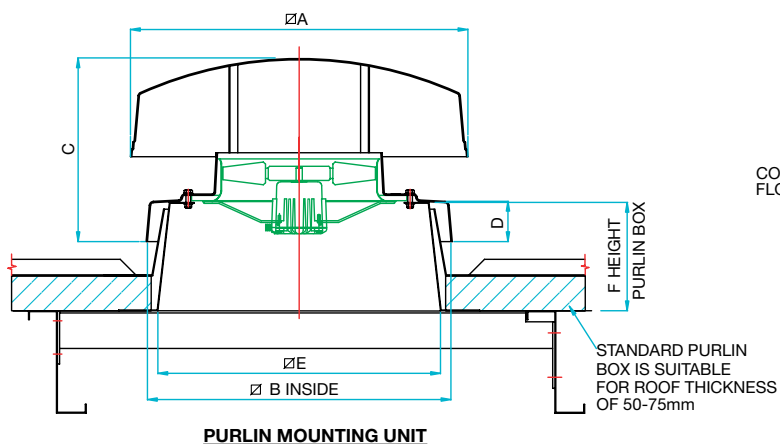
Optimum Energy Efficiency Point

SINGLE Phase - 200V to 277V / 50Hz

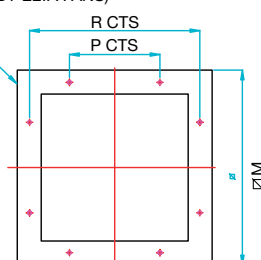
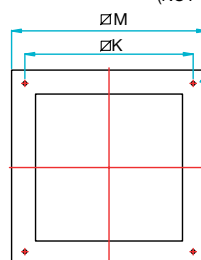
Product Code	Volume m³/s	Pressure Pa	Input kW	Speed r/min	Efficiency %	FMEG
SSR400/4-1EC	0.643	259	0.509	1809	32.7	N40
SSR450/4-1EC	0.668	139	0.309	1303	33.7	N43
SSR500/4-1EC	1.309	200	0.836	1432	34.2	N40
SSR560/4-1EC	1.312	143	0.774	1242	26.6	N33
SSR630/4-1EC	1.419	190	0.840	1055	35.2	N41
SSR710/6-1EC	1.478	142	0.735	889	31.4	N38

THREE Phase - 380V to 480V / 50Hz or 60Hz

Product Code	Volume m³/s	Pressure Pa	Input kW	Speed r/min	Efficiency %	FMEG
SSR500/4-3EC	1.349	249	1.016	1555	35.9	N42
SSR560/4-3EC	1.529	168	1.018	1353	27.4	N33
SSR630/4-3EC	1.646	258	1.245	1208	36.9	N42
SSR710/6-3EC	1.319	177	0.849	962	30.1	N36



SECURE UNIT TO HARDWOOD SILL WITH M10 COACH BOLTS (NOT SUPPLIED BY ELTA FANS)



NOTE: SIZES 250 & 800 PURLIN BOXES ARE STRAIGHT SIDED

Product Code	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	Weight kg
SSR25	500	500	310	80	428	240	428	175	542	380	340	440	50	-	-	12
SSR31/35	710	684	365	85	610	240	636	250	750	500	460	610	75	-	-	19
SSR40/45	800	784	445	90	730	250	756	300	870	600	550	700	75	-	-	37
SSR50/56	960	934	510	100	860	250	886	350	1000	745	700	850	75	-	-	53
SSR63/71	1230	1054	590	105	1000	250	1026	435	1140	870	830	980	75	-	-	62

* Product code for cowl only without fan.

N.B. Maximum weights are inclusive of largest fan but do not include purlin box.
All dimensions are shown in mm.



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