



Multiflow SEL

Product Brochure

t: 01384 275800

f: 01384 275810

e: bs@eltafans.co.uk

visit: eltaselect.com



Multiflow SEL

Mixed Flow Fan

mixed



OVERVIEW

The Multiflow SEL AC incorporates high efficiency mixed flow impellers, with three dimensional guide vanes providing low loss transmission of energy, offering maximum performance at low noise levels. The range of galvanised steel or seawater proof aluminium casings provide a long lasting, robust, all weather and non-corrosive construction suitable for mounting at any angle.

MORE INFORMATION

AC

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QUICK FACTS

- ✓ 10 standard sizes from 250mm to 630mm.
- ✓ Air volume flow rates up to 3.887 m³/s.
- ✓ Static pressures up to 920 Pa.
- ✓ Suitable for operating temperatures up to +80°C.
- ✓ Extensive stock range available.

CASING

Manufactured from all weather galvanised steel, heat resistant plastic or seawater resistant aluminium (sizes over 400mm), IPX4.

MOTORS

AC single phase units are suitable for transformer control.

IMPELLER

High efficiency diagonal mixed flow impeller with three dimensional guide vanes.

INSTALLATION

Integral mounting bracket.

IP44 terminal box.

Suitable for installation at any angle.

OPERATING TEMPERATURE

From -25°C to +80°C (model dependant).

QUALITY MANAGEMENT

Commitment to quality runs deep within Elta, as with all of our building services products the Multiflow SEL range is designed and manufactured with procedures as defined in BS EN ISO 9001:2008 and tested to ISO 5801:2007 (airside performance) and EN 150 3741:2011-01 (sound performance).

Multiflow SEL

Performance, SFP & Electrical Data



SINGLE Phase - 220V to 240V / 50Hz

Product Image	Product Code	Speed r/min	Airflow SFP	Airflow m³ / s @static Pressure Pa												At Best Efficiency Point			Peak Amps	dBA @ 3m	
				0	25	50	75	100	150	200	250	300	350	400	500	Overall Efficiency %	FMEG	Input kW			
	SEL250/2-1AC	2684	m³ / s	0.453	0.442	0.431	0.419	0.407	0.380	0.350	0.313	0.108	0.064	0.031		46.9	65.7	0.162	0.70	Inlet	51
			W / (L/s)	0.33	0.34	0.35	0.37	0.38	0.42	0.47	0.52	1.14	2.07	4.48						Outlet	53
	SEL315/2B-1AC	2776	m³ / s	0.975	0.963	0.951	0.938	0.924	0.894	0.862	0.828	0.791	0.750	0.703	0.230	52.7	66.2	0.515	2.40	Inlet	55
			W / (L/s)	0.50	0.51	0.52	0.53	0.54	0.57	0.60	0.63	0.67	0.71	0.76	1.66					Outlet	61
	SEL315/2A-1AC	2819	m³ / s	0.654	0.644	0.633	0.621	0.608	0.579	0.545	0.506	0.459	0.388	0.150	0.057	50.8	67.4	0.263	1.20	Inlet	54
			W / (L/s)	0.39	0.40	0.40	0.42	0.43	0.46	0.50	0.55	0.60	0.66	1.36	4.03					Outlet	58
	SEL355/2-1AC	2776	m³ / s	1.372	1.358	1.344	1.330	1.315	1.283	1.250	1.215	1.177	1.137	1.093	0.988	50.5	61.2	0.955	4.30	Inlet	59
			W / (L/s)	0.64	0.65	0.66	0.67	0.68	0.70	0.73	0.77	0.81	0.85	0.89	0.99					Outlet	63
	SEL355/4-1AC	1438	m³ / s	0.714	0.691	0.663	0.629	0.590	0.484	0.098	0.030					46.8	66	0.150	0.70	Inlet	43
			W / (L/s)	0.20	0.21	0.22	0.24	0.26	0.31	1.28	4.60									Outlet	45
	SEL400/4-1AC	1440	m³ / s	0.957	0.930	0.900	0.866	0.825	0.700	0.287	0.135	0.053				45.8	63.4	0.211	0.90	Inlet	49
			W / (L/s)	0.20	0.21	0.23	0.24	0.26	0.31	0.60	1.35	3.68								Outlet	53
	SEL450/4-1AC	1435	m³ / s	1.445	1.414	1.380	1.345	1.307	1.223	1.119	0.959	0.265	0.159	0.063		50.0	64.2	0.445	2.40	Inlet	50
			W / (L/s)	0.29	0.30	0.31	0.32	0.33	0.37	0.41	0.46	1.37	2.41	6.41						Outlet	55
	SEL500/4-1AC	1352	m³ / s	1.950	1.902	1.857	1.814	1.772	1.685	1.591	1.479	1.315	0.343	0.196		48.7	60.5	0.747	3.30	Inlet	54
			W / (L/s)	0.34	0.35	0.36	0.37	0.39	0.42	0.46	0.50	0.56	1.68	3.15						Outlet	55
	SEL560/4-1AC	1401	m³ / s	2.645	2.610	2.571	2.530	2.485	2.380	2.253	2.094	1.883	1.491	0.693	0.339	49.0	59.3	1.035	5.50	Inlet	61
			W / (L/s)	0.38	0.39	0.40	0.41	0.42	0.45	0.49	0.53	0.57	0.66	1.23	2.72					Outlet	64
	SEL630/4-1AC	1371	m³ / s	3.887	3.831	3.775	3.717	3.660	3.544	3.425	3.304	3.176	3.039	2.887	2.447	55.3	62.3	2.140	9.60	Inlet	62
			W / (L/s)	0.49	0.50	0.51	0.52	0.53	0.55	0.58	0.62	0.66	0.70	0.74	0.86					Outlet	64
																				Breakout	53

Data in accordance with ErP Directive 327/2011 of the European Parliament. Peak Amps @ 230V / 1PH / 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.

Multiflow SEL

Sound Data

SINGLE Phase - 220V to 240V / 50Hz

Product Code		Sound Power Level dBW @ Octave Band Hz								Total dB
		63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz	
SEL250/2-1AC	Inlet	-	36	47	57	63	66	67	56	70
	Outlet	-	41	57	63	69	69	65	54	74
	Breakout	-	36	35	34	45	44	41	35	49
SEL315/2B-1AC	Inlet	-	48	64	69	70	70	69	66	76
	Outlet	-	50	70	75	78	75	71	65	81
	Breakout	-	46	50	52	57	54	53	46	61
SEL315/2A-1AC	Inlet	-	49	63	68	70	69	66	57	75
	Outlet	-	50	69	73	75	73	66	58	79
	Breakout	-	44	46	49	53	51	49	45	57
SEL355/2-1AC	Inlet	-	47	64	70	75	74	71	64	79
	Outlet	-	54	70	76	80	77	72	64	83
	Breakout	-	45	55	55	58	56	55	45	63
SEL355/4-1AC	Inlet	-	44	55	58	60	57	55	44	64
	Outlet	-	54	56	62	63	57	53	41	67
	Breakout	-	42	39	40	43	39	39	25	48
SEL400/4-1AC	Inlet	-	49	56	67	64	63	57	47	70
	Outlet	-	61	60	71	70	65	60	50	75
	Breakout	-	48	44	58	57	49	48	37	61
SEL450/4-1AC	Inlet	-	55	62	65	67	65	59	50	72
	Outlet	-	64	65	72	72	67	62	52	77
	Breakout	-	52	60	61	62	56	50	39	66
SEL500/4-1AC	Inlet	29	60	66	70	71	67	63	52	75
	Outlet	29	65	66	73	71	67	63	52	77
	Breakout	-	47	61	65	63	59	53	39	68
SEL560/4-1AC	Inlet	-	68	78	78	76	75	69	59	83
	Outlet	-	72	81	84	78	75	70	61	87
	Breakout	-	69	76	75	67	65	58	50	79
SEL630/4-1AC	Inlet	-	69	75	80	78	75	68	61	84
	Outlet	-	72	78	83	80	77	73	62	86
	Breakout	-	67	73	72	68	66	60	49	77

Data provided at standard air density of 1.2 kg/m³. Tests and preparation of the sound data have been carried out at operating point with the highest static efficiency. The Sound Power Level Spectra are in dB re-1pW.

Please Note:

Why not use the facility in our "Fans by Elta" interactive CD Rom to do the work for you?

Tests and preparation of the sound data have been carried out in accordance with EN 150 3741:2011-01

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.

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Accessories & Wiring Data



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

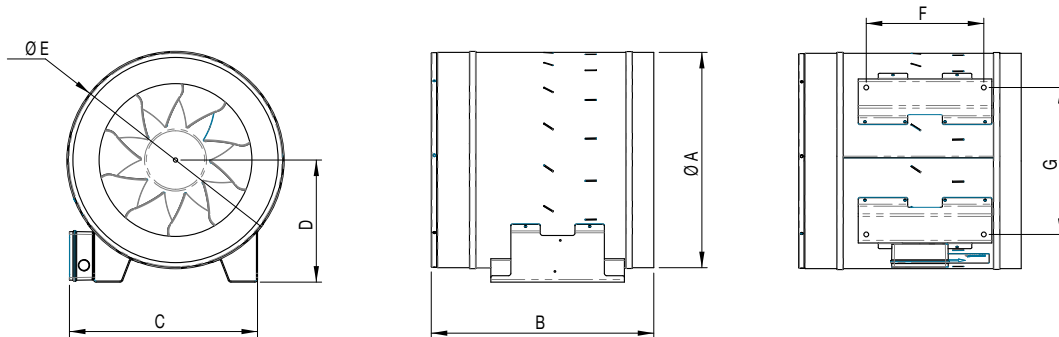
SINGLE Phase - 220V to 240V / 50Hz

Product Code	Speed Controller	Potentiometer	Fast Clamps	Damper	Silencer300	Silencer600	Silencer900	Silencer1200	Filter Box	HEATER	Mounting Flange (use with silencer)
SEL250/2-1AC	149-TC12 - Transformer	-	018-250-CLAMP	018-250-DAMPER	068-0250-JF1	068-0250-JF2	068-0250-JF3	068-0250-JF4	018-0250-FILT-P	018-0250-HEAT-1	-
SEL315/2B-1AC	149-TC14 - Transformer	-	018-315-CLAMP	018-315-DAMPER	068-0315-JF1	068-0315-JF2	068-0315-JF3	068-0315-JF4	018-0315-FILT-P	018-0315-HEAT-1	-
SEL315/2A-1AC	149-TC14 - Transformer	-	018-315-CLAMP	018-315-DAMPER	068-0315-JF1	068-0315-JF2	068-0315-JF3	068-0315-JF4	018-0315-FILT-P	018-0315-HEAT-1	-
SEL355/2-1AC	149-TC18 - Transformer	-	018-355-CLAMP	018-355-DAMPER	068-0355-JF1	068-0355-JF2	068-0355-JF3	068-0355-JF4	018-0355-FILT-P	018-0355-HEAT-1	-
SEL355/4-1AC	149-TC12 - Transformer	-	018-355-CLAMP	018-355-DAMPER	068-0355-JF1	068-0355-JF2	068-0355-JF3	068-0355-JF4	018-0355-FILT-P	018-0355-HEAT-1	-
SEL400/4-1AC	149-TC14 - Transformer	-	018-400-CLAMP	018-400-DAMPER	068-0400-JF1	068-0400-JF2	068-0400-JF3	068-0400-JF4	018-0400-FILT-P	018-0400-HEAT-1	-
SEL450/4-1AC	149-TC14 - Transformer	-	018-450-CLAMP	-	068-0450-1DENP	068-0450-2DENP	-	-	018-0450-FILT-P	-	061B-0450
SEL500/4-1AC	149-TC18 - Transformer	-	018-500-CLAMP	-	068-0500-1DENP	068-0500-2DENP	-	-	018-0500-FILT-P	-	061B-0500
SEL560/4-1AC	149-TC110 - Transformer	-	018-560-CLAMP	-	068-0560-1DENP	068-0560-2DENP	-	-	018-0560-FILT-P	-	061B-0560
SEL630/4-1AC	149-TC116 - Transformer	-	018-630-CLAMP	-	068-0630-1DENP	068-0630-2DENP	-	-	018-0630-FILT-P	-	061B-0630

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Dimensional Data



Product Code	Ø A	B	C	D	Ø E	F	G	Weight kg
SEL250/2-1AC	250	215	245	132	254	90	220	5
SEL315/2A-1AC	315	351	332	164	319	160	260	15
SEL315/2B-1AC	315	308	311	161	315	120	239	8
SEL355/2-1AC	355	396	371	184	358	175	300	17
SEL355/4-1AC	355	396	371	184	358	175	300	14
SEL400/4-1AC	400	417	352	229	407	220	275	13
SEL450/4-1AC	450	467	402	239	457	250	310	18
SEL500/4-1AC	500	516	443	259	507	250	360	23
SEL560/4-1AC	560	582	468	289	568	250	440	38
SEL630/4-1AC	630	654	583	324	638	290	490	43

All dimensions are expressed in mm.

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BUILDING SERVICES

Tel: +44 (0) 1384 275800

Fax: +44 (0) 1384 275810

e-mail: bs@eltafans.co.uk

46 Third Avenue
Pensnett Trading Estate
Kingswinford, West Midlands
DY6 7US, United Kingdom

APPLIED TECHNOLOGY

Tel: +44 (0) 1489 566500

Fax: +44 (0) 1489 566555

e-mail: at@eltafans.co.uk

17 Barnes Wallis Road
Segensworth East Industrial Estate
Fareham, Hampshire
PO15 5ST, United Kingdom

www.eltafans.com



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FM 556465



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