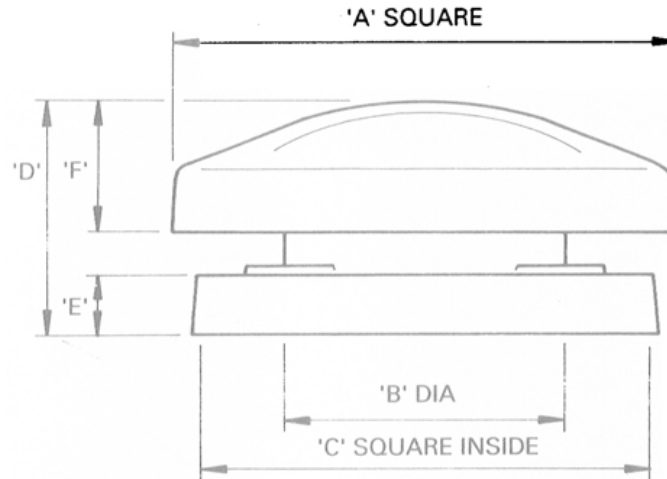


Low Silhouette Extract Fan - Model LS

TECHNICAL DATA

Low silhouette roof mounted extract fans designed for curb and pitched roof mounting. To ensure reliable operation, installation should be carried out by an approved installer.



MODEL	'A' □	'B' ∅	'C' □	'D'	'E'	'F'
LS350	525	350	530	340	70	170
LS400	650	400	670	386	90	170
LS500	735	500	800	425	90	200
LS630	970	630	900	500	100	230

Weather Cowl

- Fibreglass cowl and base components complete with corrosion resistant bird guard and back draught shutters.
- Base unit supplied with turndown base to suit upstands or Abbey Products GRP Soakerline roof sheets, Alternatively supplied with flat base for fitting directly onto roof cladding or into glazing.

Fan and Motor Assembly

- Motor support with safetyguard in compliance with DIN 24167 and UNE 20-359-74.
- Polyimide 6 fibreglass-reinforced impeller; dynamically balanced unit in compliance with ISO 1940 Standard,

- A synchronous motor with squirrel-cage rotor
- Class F Insulation and IP55 Protection.
- Supplied with connection box.
- All motors are speed adjustable and can operate at any shaft position.
- Standard supply voltages are 220-240 Volt 50Hz Single Phase and 380-420 Volt 50Hz Three Phase.
- Voltages up to 660 Volt and 60 Hz available to order.
- Operating temperature range -25°C to +70°C
- Motors fitted with thermal protection.
- Ancillary Equipment includes Soaker Sheets, Starters, Speed Controllers and Local Isolators.

Model	rpm	Max permissible current (Amp.)		Output kw	Max vol. flow rate V m ³ /s	Noise level dB (A)	Approx. weight Kg.
		220-240 V.	380-415 V.				
LS350-4T-H LS350-4M-H	1340	0,74 0,98	0,43 -	0,17 0,18	0,51	58	15,85
LS350-4T-L LS350-4M-L	1340	0,52 0,63	0,30 -	0,11 0,15	0,40	55	15,25
LS400-4T-H LS400-4M-H	1400	1,66 1,95	0,96 -	0,32 0,36	0,95	61	22,35
LS400-4T-L LS400-4M-L	1420	1,03 1,70	0,60 -	0,22 0,26	0,59	59	22,35
LS400-6T-H LS400-6M-H	960	1,12 1,06	0,65 -	0,15 0,18	0,37	54	21,95
LS500-4T-H LS500-4M-H	1380	2,68 3,15	1,55 -	0,72 0,72	1,50	69	28,75
LS500-4T-L LS500-4M-L	1370	1,69 2,30	0,98 -	0,43 0,43	1,10	67	36,75
LS500-6T-H LS500-6M-H	950	1,38 1,38	0,80 -	0,24 0,24	0,90	59	26,95
LS630-4T-H	1415	6,92	4,00	1,70	2,75	82	41,05
LS630-4T-L LS630-4M-L	1375	5,01 5,15	2,90 -	1,29 1,29	2,42	75	38,25
LS630-6T-H LS630-6M-H	905	2,06 2,70	1,19 -	0,50 0,56	1,80	65	35,45
LS630-6T-L LS630-6M-L	945	1,62 1,80	0,94 -	0,36 0,33	1,40	63	34,65
LS630-8T-H LS630-8M-H	700	1,90 1,89	1,10 -	0,32 0,32	1,25	57	34,45

WINDINGS CAN BE SUPPLIED TO ORDER FOR 220-240/380-415 V 60 Hz AND OTHER VOLTAGES UP TO 660 VOLTS

Model Code

LS - 350 - 4 T / H

1 2 3 4 5

1 LS = LOW SILHOUETTE EXTRACT FAN

2 IMPELLER DIA. IN mm

3 SPEED REF/MOTOR POLES 4 = 1400 r./min. 5C

6 = 900 r./min. 5C

4 T = THREE PHASE M = SINGLE (mono) PHASE

5 BLADE PITCH ANGLE H = HIGH L = LOW

Electrical Connection

Operating Voltages end Frequencies

Coil winding	Motor connection in terminal box	Power Voltage	Speed
Single-phase 220-240 v 50 Hz		1x220-240 V, 50 Hz	High
Three-phase 220-240/380-415 V 50 Hz	Δ	3x220-240 V, 50 Hz	High
	Y	3x380-415 V, 50 Hz	High
	Y	3x220-240 v, 50 Hz	Low
Three-phase 380-415 V 50 Hz	Δ	3x380-415 V, 50 Hz	High
	Y	3x380-415 V, 50 Hz	Low

Colours.

Units are supplied standard to BS 4800 00-A-05 grey, Other colours are readily available to BS or RAL range,

Installation.

Model LS extract fans are suitable for roof mounting from horizontal to 60 degrees and are normally supplied with turndown bases for curb mounting. Units can be supplied with flat bases to order. For wall mounting units model UN extract fans are required.

Starters/Speed Controllers.

A full range of electrical starters and electronic speed controllers are available to order.

Soaker Sheets.

A wide range of Soakerline roof sheets are available as standard to suit our range of products.