

**NATIONAL
VENTILATION**

Manufacturers & suppliers
of  **monsoon** products

Monsoon ILF



- High power inline fan for longer duct runs
- Comes with mounting bracket IPX4
- Speed controllable
- Long life ball bearing

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In Inline centrifugal fans in galvanized casing with the air capacity up to 1540 m³/h.

Applications

Supply and exhaust ventilation systems for various premises suitable for external surface mounting.

Design

The fan casing is made of galvanized steel.

Motor

The impeller with backward curved blades is powered by the single phase motor with external rotor and overheating protection with automatic restart. The motor is equipped with ball bearings for long service life designed for at least 40,000 hours. For precise features, safe operation and low noise, each impeller is dynamically balanced while assembly. Motor protection rating IP44.

Speed Control

Smooth or step speed control with a thyristor or autotransformer speed controller. Several fans may be connected to one speed controller provided that the total power and operating current do not exceed the rated speed controller parameters.

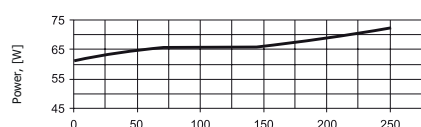
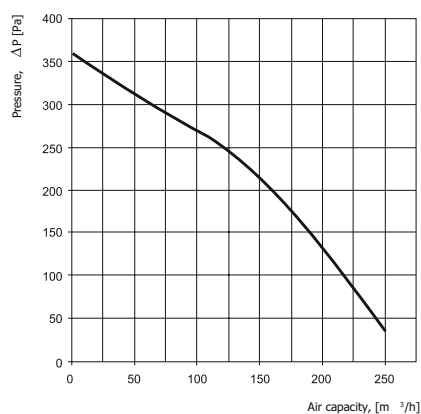
Mounting

Mounting at any angle to wall or ceiling is performed with fastening brackets supplied with the unit. The fan is powered by means of the external terminal box. Electric connection and mounting shall be performed in compliance with the manual and wiring diagram on the terminal box.

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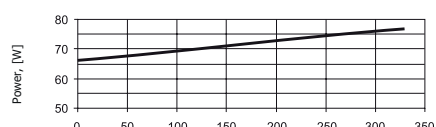
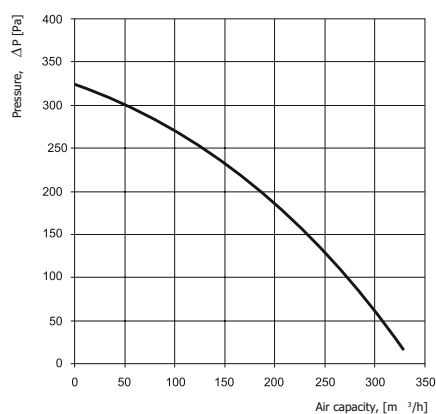
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Performance Data



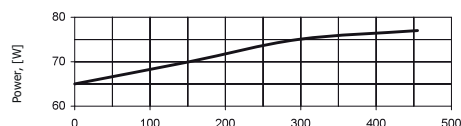
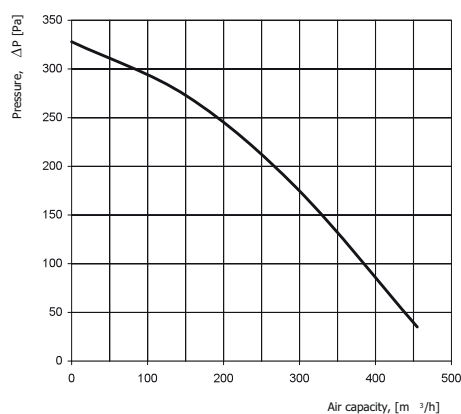
ILF100

Sound-power level		Octave-frequency band [Hz]								
	Hz	Gen	63	125	250	500	1000	2000	4000	8000
L _{WA} to inlet	dBA	72	47	67	68	67	60	54	53	42
L _{WA} to outlet	dBA	73	56	67	72	66	63	58	57	42
L _{WA} to environment	dBA	64	43	60	57	41	24	6	17	24



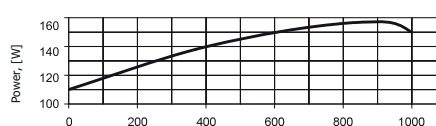
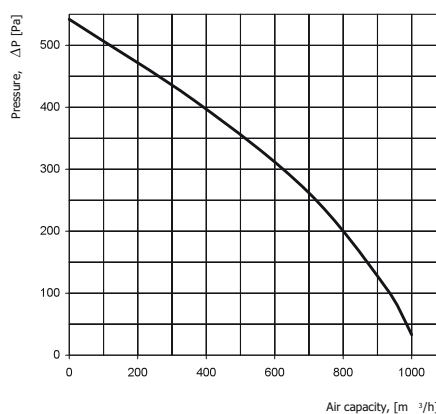
ILF125

Sound-power level		Octave-frequency band [Hz]								
	Hz	Gen	63	125	250	500	1000	2000	4000	8000
L _{WA} to inlet	dBA	75	56	63	68	69	64	61	52	41
L _{WA} to outlet	dBA	75	58	71	74	72	65	65	56	47
L _{WA} to environment	dBA	64	52	64	59	48	36	23	30	27



ILF150

Sound-power level		Octave-frequency band [Hz]								
	Hz	Gen	63	125	250	500	1000	2000	4000	8000
L _{WA} to inlet	dBA	72	42	65	64	64	61	60	48	38
L _{WA} to outlet	dBA	73	47	68	66	69	64	59	47	41
L _{WA} to environment	dBA	63	41	59	54	37	18	17	29	22

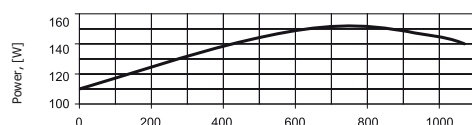
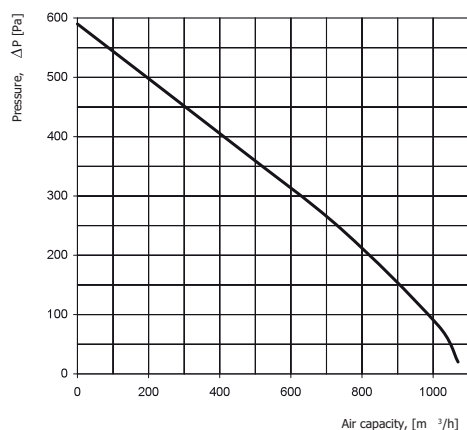


ILF200

Sound-power level		Octave-frequency band [Hz]								
	Hz	Gen	63	125	250	500	1000	2000	4000	8000
L _{WA} to inlet	dBA	73	51	66	68	71	67	64	58	52
L _{WA} to outlet	dBA	79	51	73	69	74	67	65	60	50
L _{WA} to environment	dBA	68	47	64	64	46	32	30	44	42

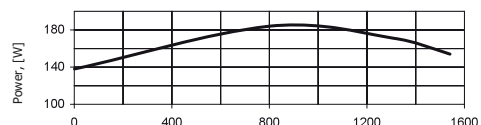
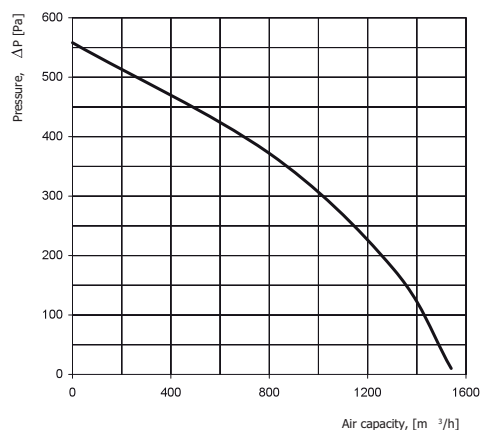
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ILF 250

Sound-power level		Octave-frequency band [Hz]									
	Hz	Gen	63	125	250	500	1000	2000	4000	8000	
L_{WA} to inlet	dBA	75	60	66	67	67	63	56	45		
L_{WA} to outlet	dBA	76	60	73	71	69	65	66	59	46	
L_{WA} to environment	dBA	65	58	62	60	47	43	40	47	36	



ILF 315

Sound-power level		Octave-frequency band [Hz]									
	Hz	Gen	63	125	250	500	1000	2000	4000	8000	
L_{WA} to inlet	dBA	77	53	66	71	69	68	66	63	60	
L_{WA} to outlet	dBA	78	58	71	74	72	71	71	63	63	
L_{WA} to environment	dBA	70	55	66	61	57	48	54	56	51	

Technical data

	ILF100	ILF125	ILF150
Voltage (V/50Hz)	230	230	230
Power (W)	72	78	75
Current (A)	0.32	0.34	0.33
Max. air capacity (m ³ /h)	250	330	455
RPM (min-1)	2820	2820	2770
Noise Level at 3m (dBA)	46/46	46	46
Transported air temperature (C)	-25 +55	-25 +55	-25 +55
SEC Class	C	C	B
Protection Rating	IP X4	IP X4	IP X4
Recommended speed controller	SP5001	SP5001	SP5001

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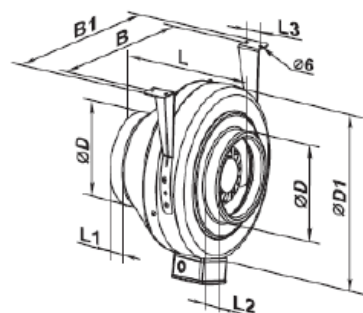
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Technical data

	ILF200	ILF250	ILF315
Voltage (V/50Hz)	230	230	230
Power (W)	157	152	185
Current (A)	0.69	0.66	0.81
Max. air capacity (m3/h)	1000	1070	1540
RPM (min-1)	2740	2765	2730
Noise Level at 3m (dBA)	5046	52	53
Transported air temperature (C)	-25 +45	-25 +50	-25 +45
SEC Class	B	B	-
Protection Rating	IP X4	IP X4	IP X4

Dimensions (mm)

	D	D1	B	B1	L	L1	L2	L3	WEIGHT(kg)
ILF100	98	237	253	293	202	23	22	30	3.16
ILF125	123	237	253	293	202	23	22	30	3.16
ILF150	148	278	294	334	200	25	23	30	3.42
ILF200	198	332	340	380	245	25	29	40	5.43
ILF250	249	332	340	380	213	25	29	40	5.25
ILF315	313	402	410	450	308	33	55	40	6.57



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