

RIF-M Series

Rectangular Insulated Inline Fan



Benefits & Features



Low Noise



Easy
Installation



Low
Maintenance

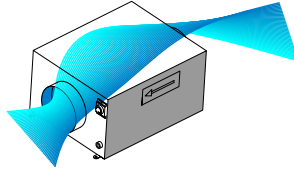


Optional
Air Filter



Energy
Efficient

Application



RIF fans may be used for intake or exhaust ventilation applications where noise level is the primary selection criteria or where restricted space is available for fan mounting. Ideal for applications where fan is required directly overhead the occupied space. The Fan inlet and outlets are designed to be used with air ducts of 100-315mm diameter.

Motor



RIF fans have a 2 pole external rotor motor with backward curved impeller. Motors have built-in overload protection with automatic restart. Low Maintenance self-lubricating ball bearings are used for longer fan life.

Mounting



RIF fans are meant for mounting with round inlet and outlet ducts. The Fan has mounting brackets placed at the bottom for better stability and low noise operations, when used in horizontal position. Fan may be mounted in any other orientation by using appropriate supports (supplied by others).

Design



Fan casing is made of galvanized steel sheet, internally lined with high grade acoustic egg-crate insulation. Designed for Round Inlet and Outlet with mounting grooves. The Casing has a standard provision for an optional slide-in replaceable Pre-filter, placed near the air inlet.

Speed Control



Air Quantity and Sound levels can be easily calibrated or modified using the Speed Regulator mounted on the fan casing, as a standard feature.



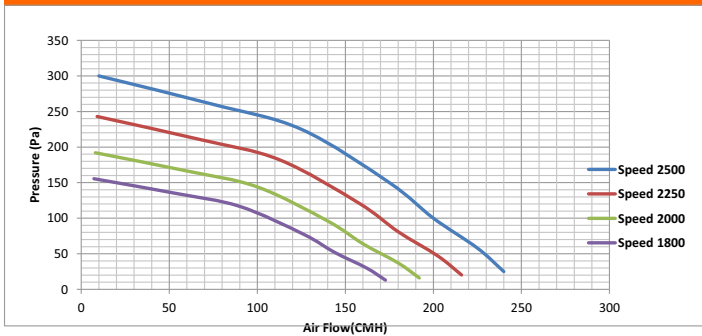
RIF-MB models have bottom loading filter arrangement. (Filter sold separately)



RIF-MS models have side loading filter arrangement. (Filter sold separately)

RIF-M-100

FAN PERFORMANCE CURVES

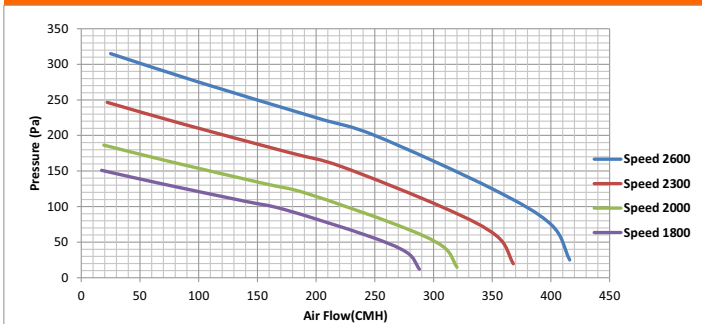


TECHNICAL DATA

Voltage(V) / Frequency (Hz)	230 / 50			
Power consumption, W	70			
Current, A	0.30			
Maximum air consumption, m ³ /h	253			
RPM (Multiple Speed)	2500	2250	2000	1800
Noise level at 3m, dBA	33	31	28	26
Maximum temperature of transferred air, °C	-25+60			
Weight, With Filter (kg)	8.0			

RIF-M-150

FAN PERFORMANCE CURVES

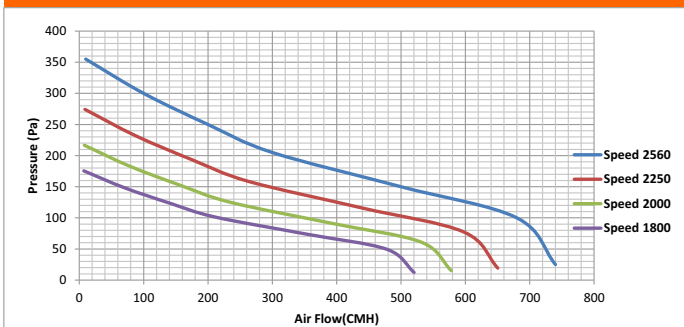


TECHNICAL DATA

Voltage(V) / Frequency (Hz)	230 / 50			
Power consumption, W	73			
Current, A	0.32			
Maximum air consumption, m ³ /h	416			
RPM (Multiple Speed)	2600	2300	2000	1800
Noise level at 3m, dBA	36	33	30	28
Maximum temperature of transferred air, °C	-25+60			
Weight, With Filter (kg)	10.5			

RIF-M-200

FAN PERFORMANCE CURVES

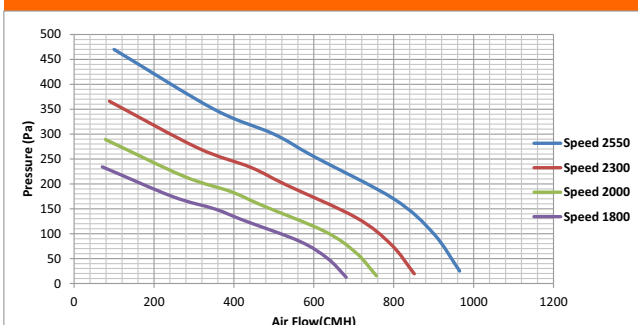


TECHNICAL DATA

Voltage(V) / Frequency (Hz)	230 / 50			
Power consumption, W	102			
Current, A	0.44			
Maximum air consumption, m ³ /h	740			
RPM (Multiple Speed)	2560	2250	2000	1800
Noise level at 3m, dBA	38	35	33	30
Maximum temperature of transferred air, °C	-25+60			
Weight, With Filter (kg)	16			

RIF-M-200S

FAN PERFORMANCE CURVES

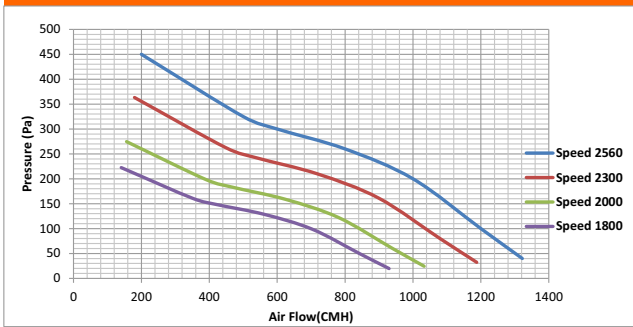


TECHNICAL DATA

Voltage(V) / Frequency (Hz)	230 / 50			
Power consumption, W	170			
Current, A	0.74			
Maximum air consumption, m ³ /h	965			
RPM (Multiple Speed)	2550	2300	2000	1800
Noise level at 3m, dBA	41	39	36	33
Maximum temperature of transferred air, °C	-25+60			
Weight, With Filter (kg)	16.5			

RIF-M-250

FAN PERFORMANCE CURVES

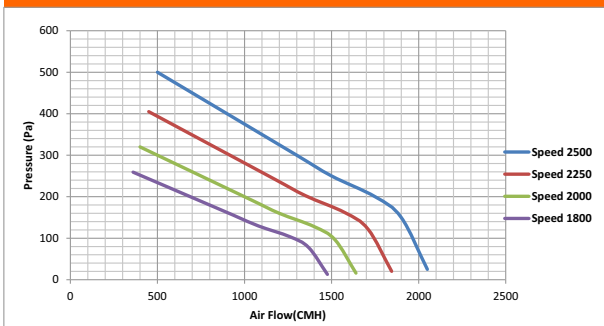


TECHNICAL DATA

Voltage(V) / Frequency (Hz)	230 / 50			
Power consumption, W	200			
Current, A	0.87			
Maximum air consumption, m ³ /h	1322			
RPM (Multiple Speed)	2560	2300	2000	1800
Noise level at 3m, dBA	41	39	36	33
Maximum temperature of transferred air, °C	-25+60			
Weight, With Filter (kg)	16.5			

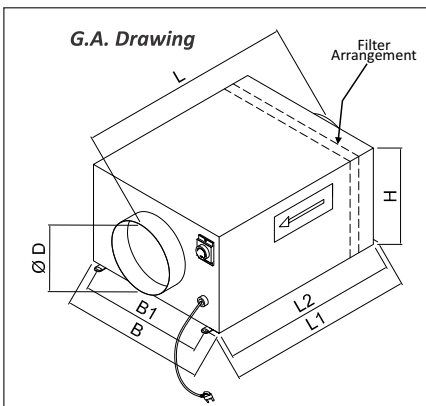
RIF-M-315

FAN PERFORMANCE CURVES



TECHNICAL DATA

Voltage(V) / Frequency (Hz)	230 / 50			
Power consumption, W	298			
Current, A	1.30			
Maximum air consumption, m ³ /h	2160			
RPM (Multiple Speed)	2500	2250	2000	1800
Noise level at 3m, dBA	43	41	38	36
Maximum temperature of transferred air, °C	-25+60			
Weight, With Filter (kg)	23			



Filter is optional item. Filter arrangement is standard.

Model	Dimensions in "mm"						
	ØD	B	B1	H	L	L1	L2
RIF-M-100	99	322	280	192	497	430	400
RIF-M-150	149	352	310	212	527	460	430
RIF-M-200	199	432	368	287	638	556	530
RIF-M-200S	199	432	368	287	638	556	530
RIF-M-250	249	432	368	287	638	556	530
RIF-M-315	314	502	438	397	698	616	590

Note:

- Noise data given is at lab test conditions.
- Motor have IP-44 enclosure with class 'F' insulation.
- All Specifications are Subject to Change Without Notice
- RIF-MS models have side loading filter arrangement. Add 23mm to "B" Dimension
- RIF-MB models have bottom loading filter arrangement. Add 10mm to "H" dimension



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