

ENERVEX[®] RSIF POWER VENTER

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Product Information

Use

The RSIF Power Venter is intended for use as an in-line draft inducer. It is specifically designed for applications where reliable and efficient operation, low noise level, low energy consumption, variable speed and compact design are of utmost importance.

Typical applications are: mechanical venting of gas-fired boilers and water heaters. For indoor installation only.

Description

The RSIF Power Venter is an efficient, high-temperature ventilator with forward-inclined impeller. The ventilator housing is made of galvanized steel and insulated on all sides with fiberglass mats. The insulation assures a very low noise level and reduces the risk of condensation.

The RSIF is equipped with a direct drive, energy-efficient, totally enclosed, variable speed motor.

A service door on the front provides access to the inside of the fan and the duct connections. The motor and impeller are mounted on the door. A lockbolt on the outside of the housing secures the door.

The duct connections are of the slip connection type with adaptors available for ease of installation.

The Power Venter can be mounted on vibration isolating support legs or from ceiling mounted brackets.

The RSIF model is approved for temperatures up to 400°F (205°C), non-condensing applications.

Material

The housing is made of galvanized steel and insulated with 1.25" thick fiberglass mats.

Motor

Commercial grade, totally enclosed, variable speed single-phase motor. Class F insulation class motor with sealed and permanently lubricated ball bearings. Thermal overload protection.



Listings

The RSIF Power Venter is ETL Listed in the U.S. and Canada to:

- UL 378 Standard for Draft Equipment
- CSA-CAN3-B255-M81-Mechanical Flue Gas Exhausters

CE compliant.

Manufactured at ISO9001 certified plant.

Warranty

2-Year Factory Warranty.



Intertek

Specifications are subject to change without notice.

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ENERVEX[®]
VENTING DESIGN SOLUTIONS

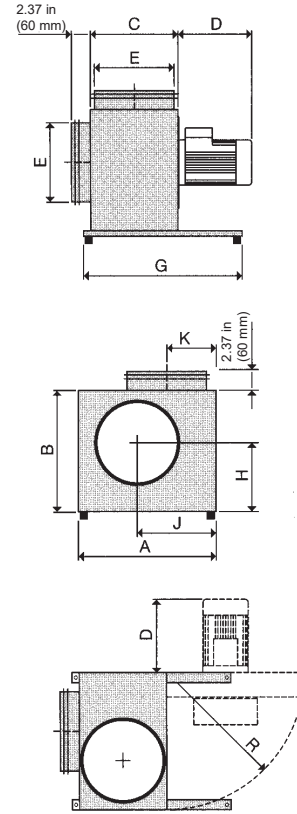
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Specifications

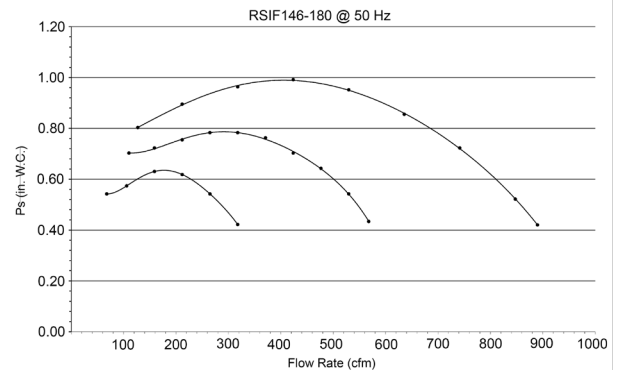
Model		RSIF 146	RSIF 160	RSIF 180	
Fan Type		Centrifugal Impeller (F-Wheel)			
Motor Type		TEFC			
Voltage	VAC	1x120			
Amperage	Amps	1.2	2.9	5.8	
Motor Output	HP	1/10	1/4	1/2	
	kW	0.08	0.16	0.35	
RPM		1600			
Weight	lbs	28	38	60	
	kg	13	17	27	
Duct Connection (Nominal)	E	6	8	8	
Dimensions	A	in	13.60	14.57	16.15
		mm	345	370	410
	B	in	11.62	12.60	13.98
		mm	295	320	355
	C	in	7.88	9.26	9.26
		mm	200	235	235
	D	in	4.33	5.52	7.68
		mm	110	140	195
	E	in	6.3	7.9	7.9
		mm	160	200	200
	G	in	13.78	15.75	15.75
		mm	350	400	400
	H	in	6.50	7.10	7.88
		mm	165	180	200
	J	in	7.88	8.27	9.26
		mm	200	210	235
	K	in	4.33	5.12	5.12
		mm	110	130	130
	R	in	13.60	14.57	16.15
		mm	345	370	410



Accessories

Accessory	RSIF 146	RSIF 160	RSIF 180
Control Kit	ADC100/ADC150	ADC100/ADC150	ADC100/ADC150
Fan Speed Control	FSC5	FSC5	FSC8
Proven Draft Switch	EXH1130	EXH1130	EXH1130

Capacity



Tolerance: +/-3 dB

Lw: Sound Power Level. Noise to surroundings.

Lp: Sound Pressure Level. 3 feet (1 m) from the center of the fan.

Note: A sound power level of 30 dB is equivalent to a voice at a very soft whisper. A sound power level of 70 dB is equivalent to a voice at conversational level.

Sound Diagram

Model	Lw dB							Lp DB (A)
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	
RSIF 146	48	48	48	41	38	35	32	40
RSIF 160	53	54	51	43	39	36	32	41
RSIF 180	55	60	53	46	41	36	32	47

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