

ENERVEX®

RSV 400 CHIMNEY FAN

010.1053.1221 12.21

Product Information

Use

The RSV is a mechanical draft fan intended for use as part of a chimney, stack or vent system. The fan ensures a negative pressure in the entire chimney or stack system.

Description

The fan is installed at the chimney termination point and can be mounted vertically or side-wall vented. Discharge is vertical (horizontal, if side-wall vented) at a high velocity.

The fan housing is hinged and the top can be opened for easy service and access to the stack.

The RSV fan is for use with gas, LP gas, and oil fired heating appliances. It is approved for use with category I, II, III and IV appliances in systems where flue gas temperatures do not exceed 625°F (329°C) for intermittent operation and 575°F (302°C) for continuous operation.

The RSV is a component in the CASV, Chimney Automation System.

Material

The fan housing is 3/16" cast aluminum. One coat of grey hammerpaint is applied for added corrosion resistance.

The backwards curved impeller is cast aluminum. The impeller is dynamically and statically balanced with permanently attached balancing weights.

Motor

RSV 400: Three phase totally enclosed TEFC motor, Class H insulated. Sealed ball bearings. Variable Speed. Thermal overload protection.

Standard Equipment

- 2"x4" or 4"x4" junction box with cover and conduit
- Bird Screen

Optional Equipment

- 5 Amp or 8 Amp Fan Speed Control
- EDrive
- EBC 24 Modulating Pressure Controller
- EBC 30/31/35 Modulating Pressure Controller
- BDC 8 Fan Control

Listings



Intertek
ETL File 514733

Specifications are subject to change without notice.



The RSV 400 Chimney Fan is ETL Listed in the U.S. and Canada under file no. 514733:

- UL 705 Standard for Power Ventilators
- UL 378 Standard for Draft Equipment
- CSA-CAN3-B255-M81-Mechanical Flue Gas Exhausters

Complies with and meets Type B, Spark Resistant Construction per AMCA standard 99-0401 classifications of Spark Resistant Construction.

Approvals

- CE Compliant
- The Commonwealth of Massachusetts
- The city of Los Angeles, CA (RR 8474)
- OSHPD Preapproval Of Manufacturer's Certification (OPM) No. OSP-0343-10
- Manufactured at ISO9001 certified plant

Warranty

- 2-Year Factory Warranty on entire fan
- 10-Year Warranty Against Corrosion Perforation

Complete warranty conditions are available from ENERVEX Inc.

ENERVEX Inc.
1685 Bluegrass Lakes Parkway
Alpharetta, GA 30004
USA

P: 770.587.3238
F: 770.587.4731
T: 800.255.2923
info@enervex.com
www.enervex.com

ENERVEX®
VENTING DESIGN SOLUTIONS

ENERVEX® RSV 400 CHIMNEY FAN

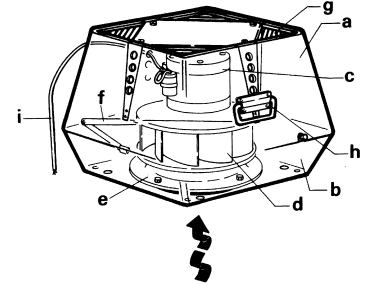
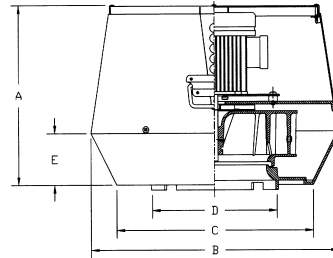
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Product Information

Specifications

Model		RSV 400	
Discharge		Vertical	
Fan Type		Centrifugal Impeller	
Max. Discharge Velocity	FPM	2,752	
Actual Discharge Velocity	FPM	1.03 x CFM	
Voltage	VAC	3x208-240 / 3x400	
RPM		1720	
Amps	A	3.5/1.8	
Power Ratings	kW	0.75	
	HP	1	
Weight	lbs	127	
	kg	58	
Dimensions	A	in / mm	16.94 / 430
	B x B	in / mm	25.61 / 650
	C x C	in / mm	20.69 / 525
	Ø D	in / mm	15.76 / 400
	E	in / mm	5.12 / 130
Motor Starter Required		Yes ¹⁾	
Variable Speed Motor		Yes	
Temperature Rating	Interm.	625°F/329°C	
	Cont.	575°F/302°C	

1) NOT required if using a VFD.

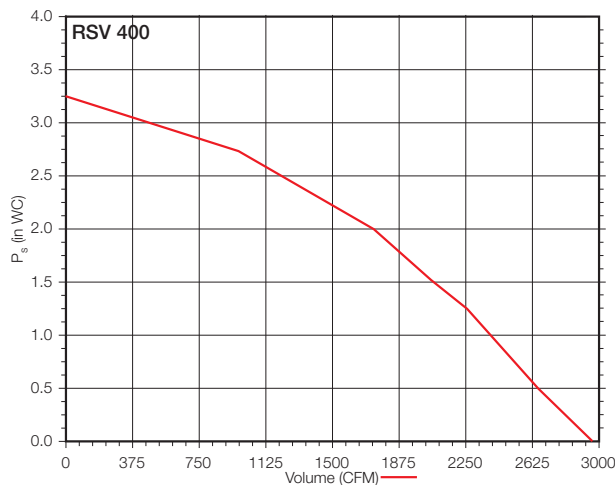


- a** Top Section
- b** Bottom Section
- c** Motor
- d** Centrifugal Impeller
- e** Inlet for Impeller
- f** Locking Hinge
- g** Bird Screen
- h** Carrying Handle
- i** Wiring Conduit

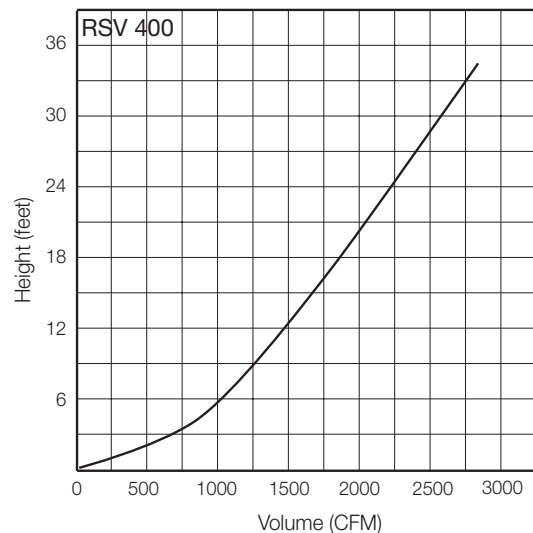
Sound Diagram

Model	Lw dB (measured in accordance with ISO 3744)							Lp dB(A)
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	
RSV 400	76	80	75	79	74	62	57	53

Capacity



Plume Height



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