

# ENERVEX® EFV 200-450 EXHAUST FAN

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Product Information

## Use

The EFV exhaust fan is designed to provide movement of air in exhaust systems. Suitable applications include exhaust in kitchens/bathrooms/laundries in multi-story, multi-family buildings. The fan is designed to exhaust lint-laden air from single or multiple Type I and Type II residential and commercial clothes dryers. It is for outdoor insulation use only.

## Description

The fan housing is hinged and the top can be opened for easy service and access to the duct. The fan ensures a negative pressure in the entire duct system. The fan is installed at the duct termination point and can be mounted vertically or side-wall vented. Discharge is vertical (horizontal, if side-wall vented). The EFV fan is for use in systems where exhaust temperatures do not exceed 350°F (177°C).

## Material

The fan housing is 3/16" cast aluminum. One coat of black hammer paint is applied for added corrosion resistance.

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

## Motor

EFV 200-315: Single phase, split capacitor, totally enclosed, Class F insulated, IP54 Protection Class. Sealed ball bearings. Variable Speed. Thermal overload protection.

EFV 400-450: 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, bearings

## Optional Equipment

- MEC 24 Modulating Exhaust Control



## Listings

The EFV 200-450 Exhaust Fan is ETL Listed in the U.S. and Canada under file no. 514733:

- UL 705 Standard for Power Ventilators
- CSA-CAN-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.

## Warranty

2-Year Factory Warranty. Complete warranty conditions are available from ENERVEX Inc.

Manufactured at ISO9001 certified plant.



**Intertek**  
ETL File 514733

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**ENERVEX®**  
VENTING DESIGN SOLUTIONS

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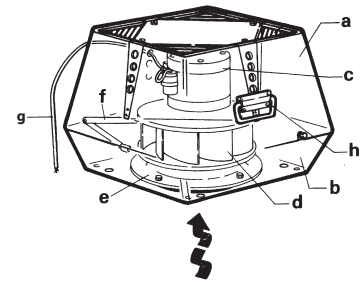
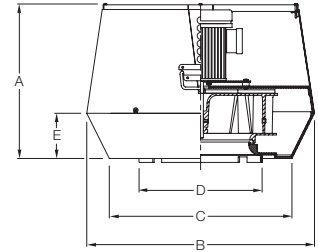
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Product Information

## Specifications

Model		EFV 200	EFV 250	EFV 315	EFV 400	EFV 450
Discharge		Vertical				
Fan Type		Centrifugal Impeller				
Max. Discharge Velocity	FPM	1729	2222	2771	2752	4134
Actual Discharge Velocity	FPM	2.9 x CFM	1.9 x CFM	1.2 x CFM	1.03 x CFM	1.03 x CFM
Voltage	VAC	1x120			3x208-240 / 3x400	
RPM		1600			1720	
Amps	A	1.4	2.9	5.8	3.5/1.8	6.5/3.6
Motor Output	hp / kW	0.15 / 0.10	0.33 / 0.25	0.50 / 0.35	1.00 / 0.75	2.00 / 1.50
Weight	lbs / kg	47 / 18	60 / 26	88 / 35	127 / 58	155 / 70
Dimensions	A in / mm	11.03 / 280	13.20 / 325	14.97 / 380	16.94 / 430	23.23 / 590
	B x B in / mm	15.37 / 390	19.11 / 485	22.85 / 580	25.61 / 650	25.61 / 650
	C x C in / mm	12.22 / 310	15.17 / 385	18.32 / 465	20.69 / 525	20.69 / 525
	D in / mm	7.88 / 200	9.85 / 250	12.41 / 315	15.76 / 400	15.76 / 400
	E in / mm	3.15 / 80	3.94 / 100	4.53 / 115	5.12 / 130	8.54 / 215
Motor Starter Required		No	No	No	Yes <sup>1)</sup>	Yes <sup>1)</sup>
Variable Speed Motor		Yes	Yes	Yes	Yes	Yes
Temperature Rating		350°F / 177°C				

1) NOT required if using a VFD.

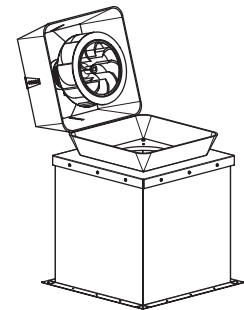
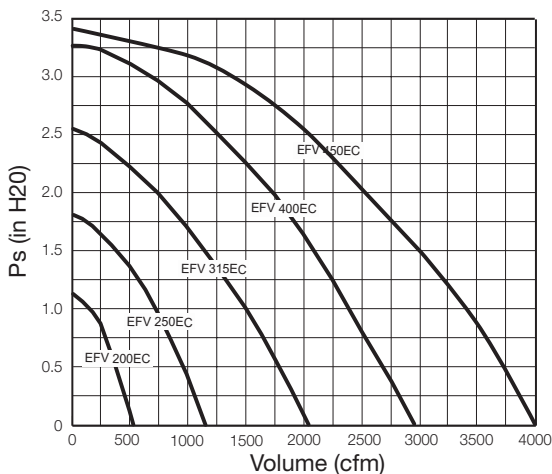


- a Top Section
- b Bottom Section
- c Motor
- d Centrifugal Impeller
- e Inlet for Impeller
- f Locking Hinge
- g Wiring Conduit
- h Handle

## Sound Data

Model	Lw dB (measured in accordance with ISO 3744)							Lp dB(A)	FA Sones
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz		
EFV 200	58	60	62	61	56	44	37	36	3.1
EFV 250	64	68	66	65	61	49	45	41	3.9
EFV 315	71	75	70	73	68	57	52	48	6.3
EFV 400	76	80	75	79	74	62	57	53	7.8
EFV 450	79	83	78	78	77	65	60	56	8.3

## Capacity



Hinged housing

Specifications are subject to change without notice.

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