

# ENERVEX®

## GSV 200-450 GREASE FAN

3922012 04.26

Product Information

### Use

The GSV is part of a mechanical draft fan for intended use as part of a restaurant kitchen exhaust system and grease application.

### Description

Ensures a negative pressure in the entire duct or vent system. Discharges vertically (horizontally, if side-wall mounted) at a high velocity.

The fan housing is hinged and the top can be opened for easy service and access to stack. The GSV model is approved for temperatures up to 575°F (300°C).

Exhaust fan for installation at the duct or vent termination point, vertical or side-wall mounted.

### Material

Housing is made of cast aluminum with a thickness of 3/16" and is corrosion resistant. One coat of grey hammerpaint finish is applied.

Backwards curved impeller of cast aluminum. Dynamically and statically balanced with permanently attached balancing weights.

### Motor

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

GSV 400-450: Three phase totally enclosed TEFC motor, Class H insulated. Sealed ball bearings. Variable Speed. Thermal overload protection.

### Standard Equipment

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

### Optional Equipment

- 5 Amp or 8 Amp Fan Speed Control
- Gasket
- Roof Curb
- EDrive Motor Controller



### Listings

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

- UL 705 Standard for Power Ventilators
- UL 705 Standard Supplement SC (formerly UL 762) for Power Roof Ventilators for Restaurant Exhaust Appliances
- ULC-S645-93 Standard for Power Roof Ventilators for Commercial and Institutional Kitchen Exhaust Systems

### Approvals

- CE Compliant
- The Commonwealth of Massachusetts
- OSHPD Preapproval Of Manufacturer's Certification (OPM) No. OSP-0343-10
- Manufactured at ISO9001 certified plant

### Warranty

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

Complete warranty conditions are available from ENERVEX Inc.



Intertek

ETL File 514733

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

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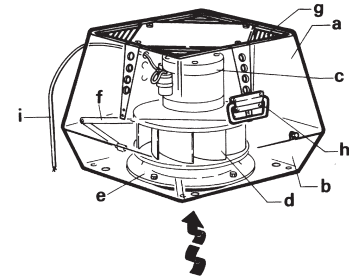
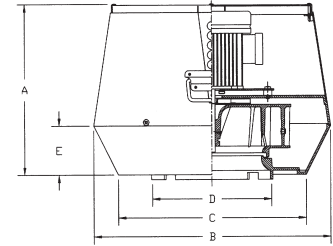
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Product Information

## Specifications

Model		GSV 200	GSV 250	GSV 315	GSV 400	GSV 450	
Discharge		Vertical					
Fan Type		Centrifugal Impeller					
Max. Discharge Velocity	FPM	1,729	2,222	2,771	2,752	4,134	
Actual Discharge Velocity	FPM	2.9xCFM	1.9xCFM	1.2xCFM	1.03xCFM	1.03xCFM	
Voltage	V AC	1x120			3x208-240/3x380-420		
RPM		1600			1720	1720	
Amps	A	1.4	2.9	5.8	3.5 / 1.8	6.5 / 3.8	
Power Ratings	kW / HP	0.10 / 0.15	0.16 / 0.2	0.35 / 0.5	0.75 / 1	1.5 / 2	
Weight	lbs / kg	47 / 18	60 / 26	92 / 42	127 / 58	155 / 70	
Dimensions	A	in / mm	11.03 / 280	13.20 / 335	16.94 / 430	16.94 / 430	23.23 / 590
	B x B	in / mm	15.37 / 390	19.11 / 485	25.61 / 650	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 Ø	in / mm	7.88 / 200	9.85 / 250	15.76 / 400	15.76 / 400	15.76 / 400
	E	in / mm	3.15 / 80	3.94 / 100	5.12 / 130	5.12 / 130	8.54 / 217
Soft Start Required		No	No	No	Yes <sup>1)</sup>	Yes <sup>1)</sup>	
Variable Speed Motor		Yes	Yes	Yes	Yes	Yes	
FA Sones			3.9	6.3	7.8	8.3	
Temperature Rating	Interm.	575°F/300°C					
	Cont.	482°F/250°C					

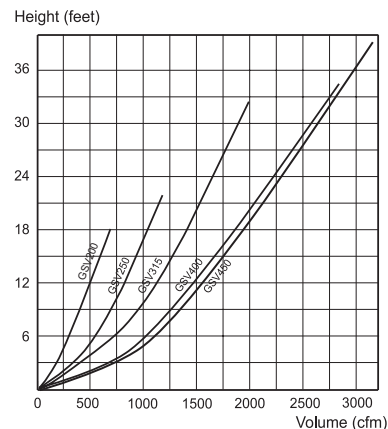
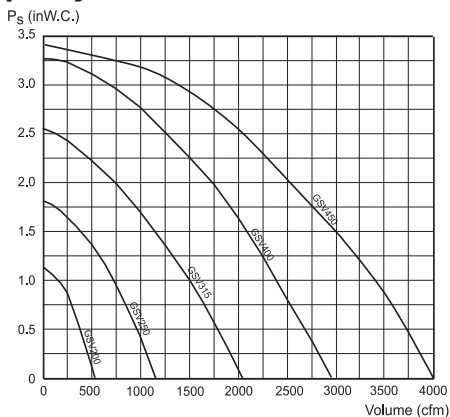


- a** Top Section
- b** Bottom Section
- c** Motor
- d** Centrifugal Impeller
- e** Inlet for Impeller
- f** Locking Hinge
- g** Bird Screen
- h** Carrying Handle
- i** Wiring Conduit

## Sound Diagram

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

## Capacity



Specifications are subject to change without notice.

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