



Multistage Centrifugal Blower 671 Series

Hoffman and Lamson present state-of-the-art technology in Multistage Centrifugal Blowers. This model offers a wide range of design features and incorporates energy efficiency improvements, complying with the strictest operational requirements of a variety of applications. Multistage blowers are ideally suited for operations where a variable flow at constant pressure is required. Hoffman and Lamson are worldwide leaders in Multistage Centrifugal Blower technology with thousands of units installed around the globe.

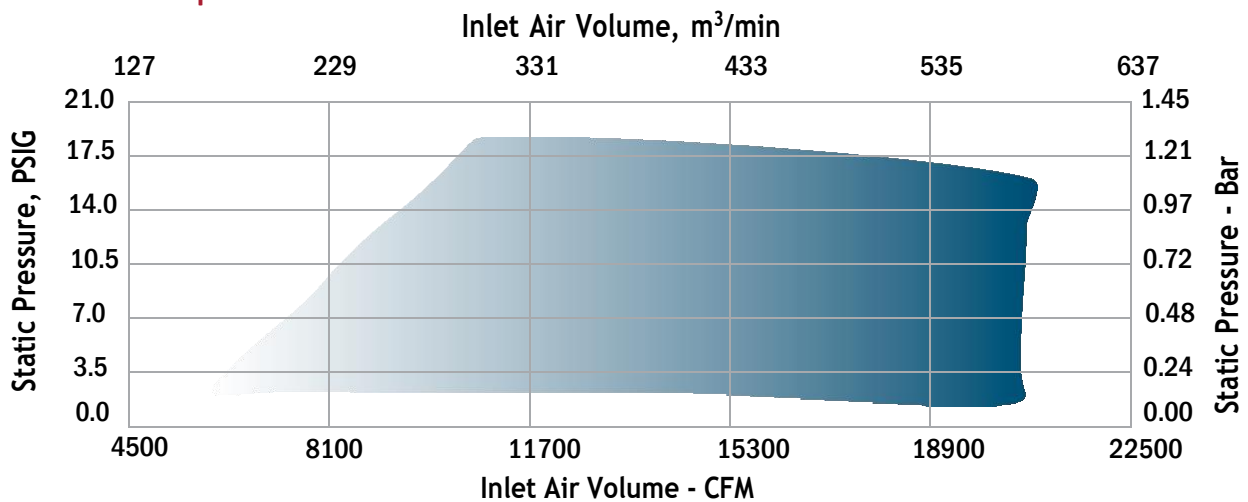
Technical Data

- Number of Stages: 1-7 (60 Hz) 1-8 (50 Hz)
- Inlet Connection: 20" Flange, ANSI 125# Drilling
- Outlet Connection: 18" Flange, ANSI 125# Drilling
- Operating Speed: 3550 RPM (60 Hz), 2925 RPM (50 Hz)
- Casing Pressure: 25 PSIG (1.73 bar)
- Air Seals: Carbon Ring Type
- Bearings: Anti-friction, designed for extended L10 life
- Lubrication: AEON® CF Oil
- Impeller: 29.75 inches (756 millimeters) Diameter (statically balanced)
- Impeller Tip Speed: 463 feet/second (141 meters/second)
- Drive Type: Direct Coupled (Inlet drive is standard)
- Drive Shaft Diameter: 2.8745 inches (73.03 millimeters)
- Vibration: .235 in/sec. (5.97 mm/sec.) Peak Velocity
- Rotor: Balanced Per ISO 1940, ANSI S2.19

Material Standard

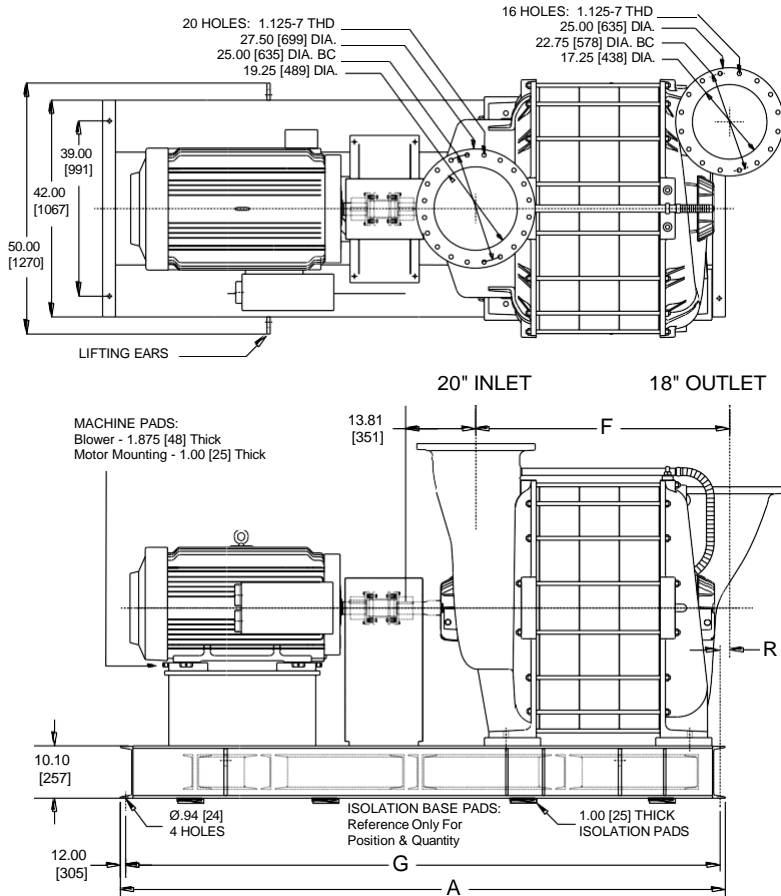
- Casing: ASTM A48 Class 30 Cast Iron - HT200 equivalent
- Bearing Housings: ASTM A48 Class 30 Cast Iron
- Bearing Cap: ASTM A48 Class 30 Cast Iron
- Tie Rods: ASTM F1554 GR.36 Zinc Plated Thrd. Rod
- Carbon Ring Seal: ASTM C695 Fine Grain Molded Graphite
- Joint Sealing: RTV Silicone Compound
- Baffle Rings: ASTM A240 Grade 304 Stainless Steel
- Balance Piston: ASTM A356-T5 Cast Aluminum (3-8 Stage)
- Shaft ASTM: A108 Grade 1045 HRS Stainless Steel Optional
- Impeller ASTM: B26 Cast Aluminum 356-T6 or ASTM 6061-T6 Fabricated Aluminum
- Base & Motor Pedestal: ASTM A36 Hot Rolled Structural Steel
- Isolation Base Pads: Suitable Resilient Material
- Finish: Universal Primer - Acrylic Topcoat

Performance Air Map

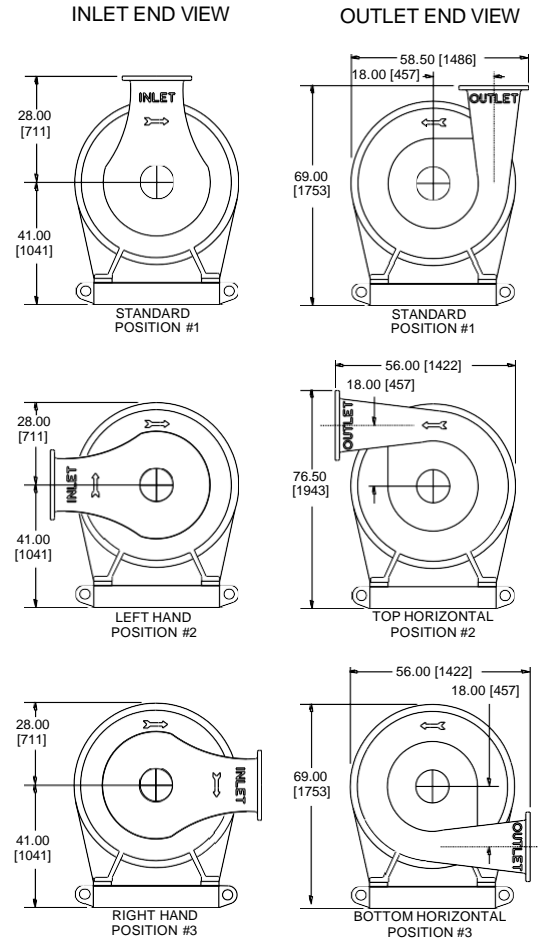


STANDARD CONDITIONS: 14.7 PSIA [1 Bar], 68°F [20°C], 36% RH, Speed: 3550 RPM

General Arrangement



Flange Orientation



Dimensional Data - inches [millimeters]

FRAME	A	F	G	R
67101	120.00 [3048]	29.000 [737]	117.50 [2985]	2.25 [57]
67102	160.00 [4064]	38.125 [969]	157.50 [4001]	2.25 [57]
67103	160.00 [4064]	47.250 [1200]	157.50 [4001]	2.25 [57]
67104	160.00 [4064]	56.375 [1432]	157.50 [4001]	2.25 [57]
67105	169.00 [4293]	65.500 [1664]	166.50 [4229]	2.25 [57]
67106	223.00 [5664]	74.625 [1897]	220.50 [5601]	2.25 [57]
67107	223.00 [5664]	83.750 [2128]	220.50 [5601]	2.25 [57]
67108	223.00 [5664]	92.875 [2359]	220.50 [5601]	2.25 [57]

Weight - lb [kg] & Inertia - lb-ft² [kg-m²]

FRAME	PKG. LESS MOTOR	BARE UNIT	WK2
67101	8,440 [3828]	5,040 [2286]	43 [1.80]
67102	9,730 [4413]	6,330 [2871]	84 [3.52]
67103	11,030 [5003]	7,630 [3460]	124 [5.20]
67104	12,320 [5588]	8,920 [4046]	165 [6.91]
67105	13,550 [6146]	10,150 [4603]	206 [8.63]
67106	15,390 [6980]	11,390 [5166]	247 [10.35]
67107	16,650 [7552]	12,650 [5750]	165 [6.91]
67108	17,910 [8124]	13,910 [6322]	206 [8.63]

Product Notes

1. Information is approximate, subject to change without notice, and not for construction use unless certified
 2. Position #1 is standard inlet & outlet orientation
 3. A and G dimensions may vary depending on motor frame size
 4. Performances noted are typical and not job specific
 5. Consult authorized sales representative for job specific blower or exhauster performance sizing
 6. Factory ASME PTC-10 test offered for performance verification
- *Data based on cast impellers through six stages and fab impeller for 67107



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