



Multistage Centrifugal Exhauster 732 Series

Hoffman and Lamson present state-of-the-art technology in Multistage Centrifugal exhauster. 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 vacuum, commonly a central vacuum house keeping system. Hoffman and Lamson are worldwide leaders in Multistage Centrifugal Blower technology with thousands of units installed around the globe.

Technical Data

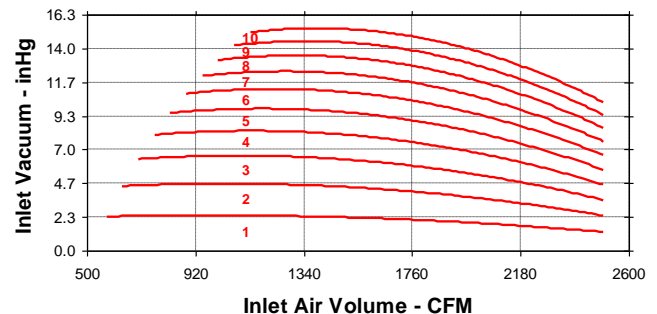
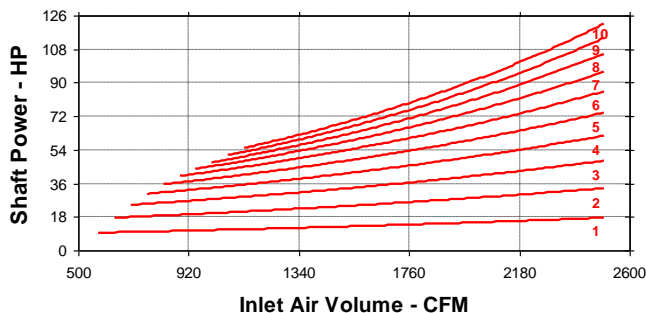
- Number of Stages: 1-10 (60 & 50 Hz)
- Inlet Connection: 6" Flange, ANSI 125# Drilling
- Outlet Connection: 6" Flange, ANSI 125# Drilling
- Operating Speed: 3550 RPM (60 Hz), 2925 RPM (50 Hz)
- Casing Pressure: 25 PSIG (1.73 bar)
- Air Seals: Labyrinth Type - Carbon Ring Optional
- Bearings: Anti-friction, designed for extended L10 life
- Lubrication: AEON® CF Grease – Oil Optional
- Impeller: 22.5 inches (612 millimeters) Diameter (statically balanced)
- Impeller Tip Speed: 349 feet/second (106 meters/second)
- Drive Type: Direct Coupled (Inlet drive is standard)
- Drive Shaft: 2.25 inches (57.15 millimeters) Diameter
- Vibration: .235 in/sec. (5.97 mm/sec.) Peak Velocity
- Rotor: Balanced Per ISO 1940, ANSI S2.19

Material Standard

- Casing: ASTM A48 Class 30B Gray Cast Iron - HT200 equivalent
- Bearing Housings: ASTM A48 Class 30 Gray Cast Iron
- Bearing Cap: ASTM A48 Class 30 Gray Cast Iron
- Tie Rods: ASTM F1554 GR.36 Zinc Plated Thrd. Rod
- Labyrinth Seal: ASTM B86 Z35631 Alloy Zinc Aluminum 12
- Carbon Ring Seal Optional: 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 (8-10 Stage)
- Shaft: ASTM A108 Grade 1045 HRS - Stainless Steel Optional
- Impeller: ASTM SC64C Sr-319 Cast Aluminum
- Blower Base: ASTM A36 Hot Rolled Structural Steel
- Motor Pedestal: ASTM A36 Hot Rolled Structural Steel
- Isolation Base Pads: Suitable Resilient Material
- Finish: Universal Primer - Acrylic Topcoat

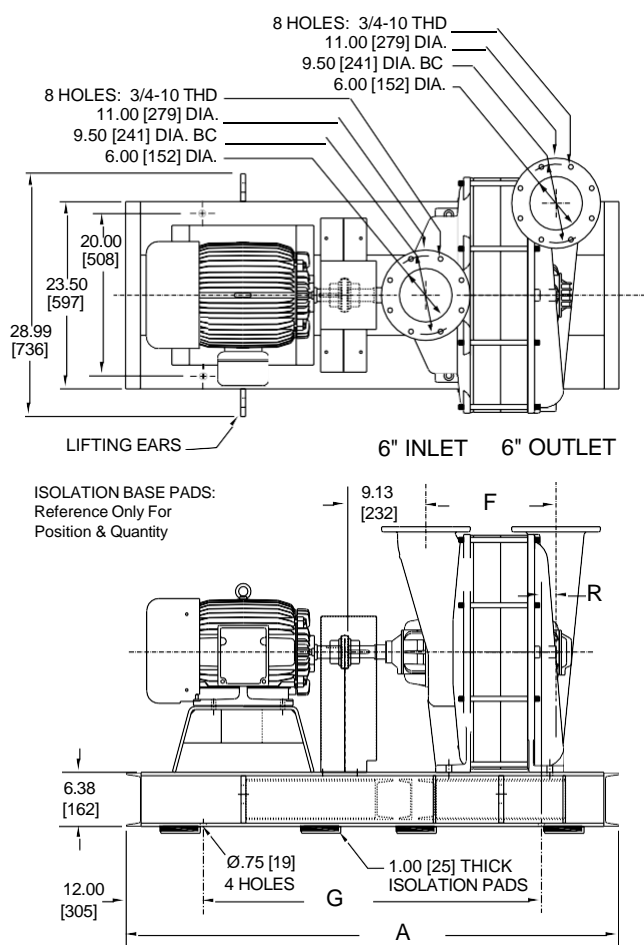
VACUUM PERFORMANCE

29.9 inHg [1 Bar], 68°F [20°C],
36% RH, Speed: 3550 RPM

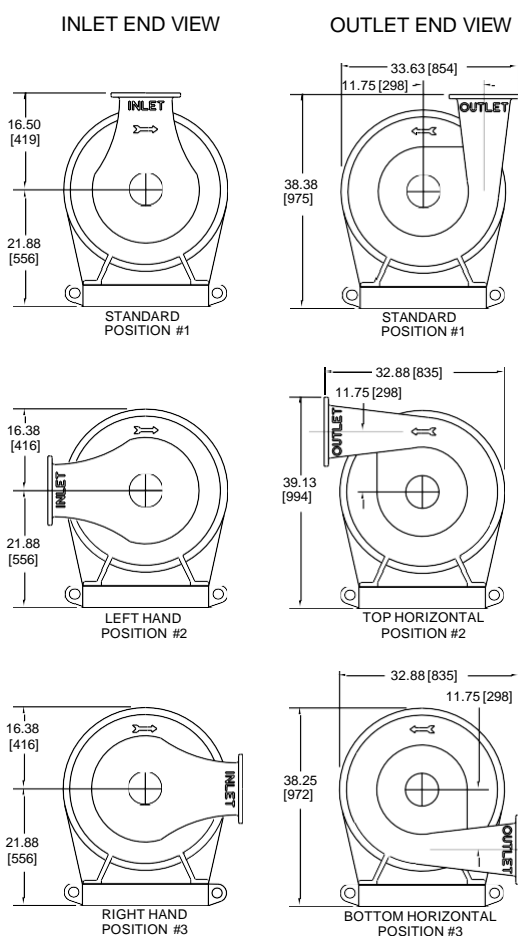


STANDARD CONDITIONS: 14.7 PSIA [1 Bar], 68°F [20°C], 36% RH, Speed: 3550 RPM

General Arrangement



Flange Orientation



Dimensional Data - inches [millimeters]

FRAME	A	F	G	R
73201	60.75 [1543]	9.25 [235]	36.75 [933]	4.25 [108]
73202	72.75 [1848]	12.88 [327]	48.75 [1238]	4.25 [108]
73203	72.75 [1848]	16.50 [419]	48.75 [1238]	4.25 [108]
73204	72.75 [1848]	20.12 [511]	48.75 [1238]	4.25 [108]
73205	84.75 [2153]	23.75 [603]	60.75 [1543]	4.25 [108]
73206	96.75 [2457]	27.38 [695]	72.75 [1848]	4.25 [108]
73207	96.75 [2457]	31.00 [787]	72.75 [1848]	4.25 [108]
73208	108.75 [2762]	34.62 [879]	84.75 [2153]	4.25 [108]
73209	108.75 [2762]	38.25 [972]	84.75 [2153]	4.25 [108]
73210	114.75 [2915]	41.88 [1064]	90.75 [2305]	4.25 [108]

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

FRAME	PKG. LESS MOTOR	BARE UNIT	WK2
73201	1110 [503]	710[322]	8 [0.34]
73202	1350 [612]	950 [431]	16 [0.66]
73203	1590 [721]	1190 [540]	23 [0.98]
73204	1879 [852]	1430 [649]	31 [1.30]
73205	2109 [957]	1660 [753]	39 [1.62]
73206	2349 [1065]	1900 [862]	46 [1.94]
73207	2589 [1174]	2140 [971]	54 [2.26]
73208	2829 [1283]	2380 [1080]	62 [2.58]
73209	3059 [1388]	2610 [1184]	69 [2.91]
73210	3299 [1496]	2850 [1293]	77 [3.24]

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

