



# Multistage Centrifugal Exhauster 260 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 exhausters are ideally suited for operations where a variable flow at constant vacuum is required. Hoffman and Lamson are worldwide leaders in Multistage Centrifugal Blower technology with thousands of units installed around the globe.

## Technical Data

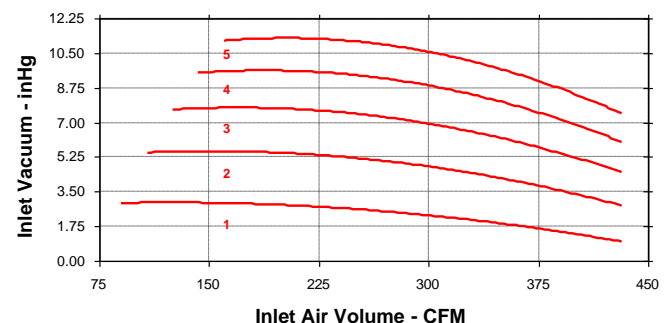
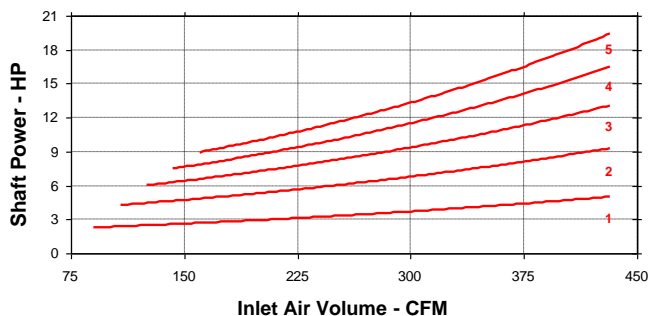
- Number of Stages: 1-5 (60 & 50 Hz)
  - Inlet Connection: 2.88" OD as cast - 2.5" NPT or Flg Optional
  - Outlet Connection: 2.88" OD as cast - 2.5" NPT or Flg Optional
  - Operating Speed: 9,000 RPM (60Hz) Maximum 7,504 RPM (50 Hz)
  - Air Seals: Labyrinth Type
  - Bearings: Anti-friction, designed for extended L10 life
  - Lubrication: AEON® CF Grease
  - Impellers: 11.0 inches (279 millimeters) Diameter (statically balanced)
  - Impeller Tip Speed: 432 feet/second (132 meters/second)
  - Drive Type: Belt Driven (Inlet drive is standard)
  - Drive Shaft: 1 inch (25.4 millimeters) Diameter
  - Vibration: .56 in/sec. (14.325 mm/sec.) Peak Velocity
- Tolerances / manufacturing test procedures

## Material Standard

- Casing: ASTM SC64C Sr-319 Cast Aluminum
- Bearing Housings: ASTM SC64C Sr-319 Cast Aluminum
- Bearing Cap: ASTM SC64C Sr-319 Cast Aluminum
- Tie Rods: ASTM F1554 GR.36 Zinc Plated Thrd. Rod
- Labyrinth Seal: ASTM SC64C Sr-319 Cast Aluminum
- Joint Sealing: ASTM SC64C Sr-319 Cast Aluminum
- Shaft: ASTM A322 Grade 4140CT Hot Rolled Steel - 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

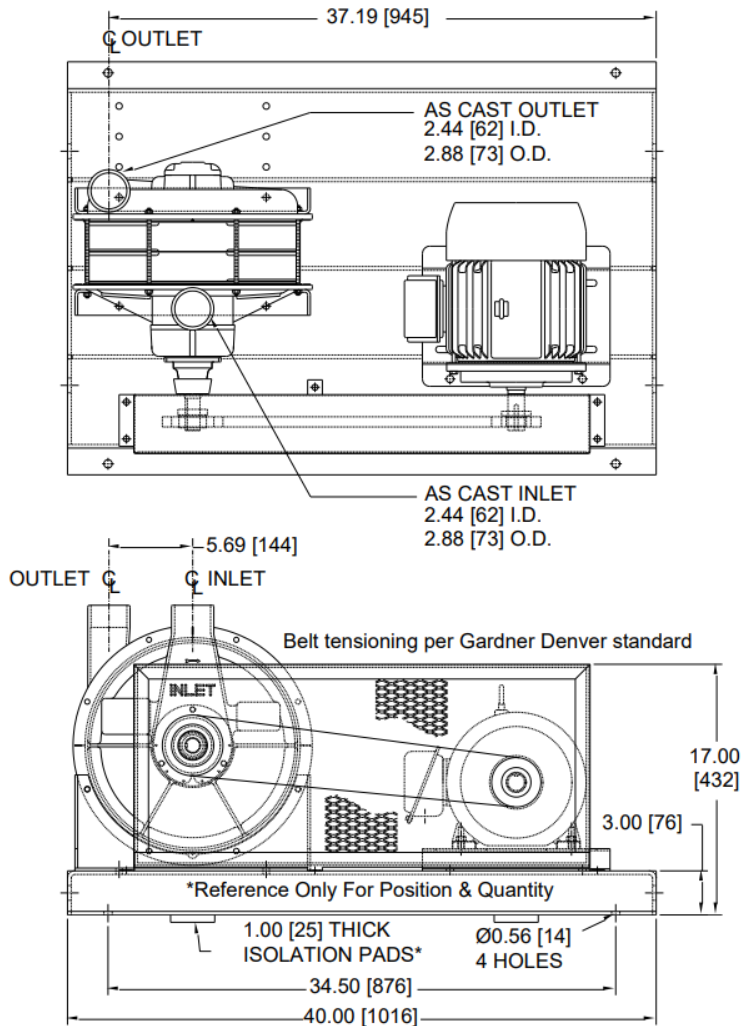
## VACUUM PERFORMANCE

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

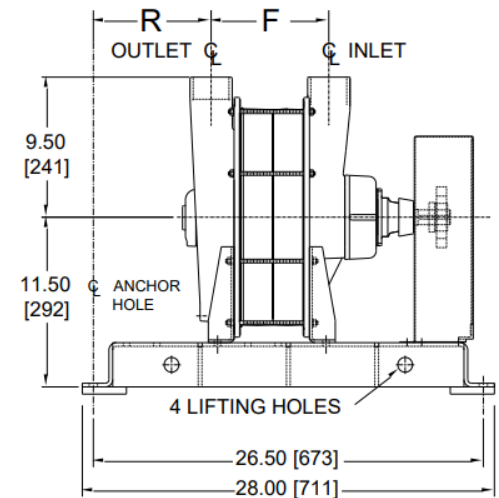
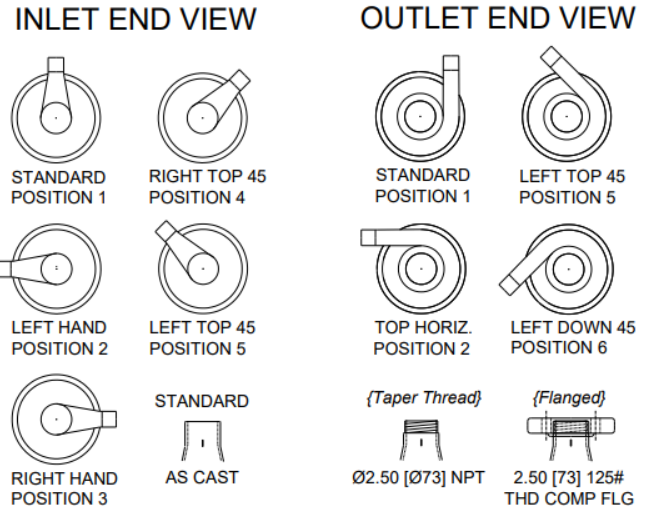


STANDARD CONDITIONS: 14.7 PSIA [1 Bar], 68°F [20°C], 36% RH, Speed: 3550 RPM

## General Arrangement



## Flange Orientation



## Dimensional Data - inches [millimeters]

FRAME	F	R
261	3.88 [99]	12.12 [308]
262	5.94 [151]	10.07 [258]
263	8.00 [203]	8.00 [203]
264	10.06 [256]	5.94 [151]
265	12.13 [308]	3.87 [98]

## Weight – lb [kg] & Inertia – lb-ft<sup>2</sup> [kg-m<sup>2</sup>]

FRAME	PKG. LESS MOTOR	BARE UNIT	WK2
261	190 [86]	40 [18]	.3 [.014]
262	205 [93]	55 [25]	.7 [.028]
263	220 [100]	70 [32]	1.0 [.042]
264	235 [107]	85 [39]	1.3 [.055]
265	250 [113]	100 [45]	1.7 [.069]

## Product Notes

- Information is approximate, subject to change without notice, and not for construction use unless certified
- Position #1 is standard inlet & outlet orientation
- “As Cast” is standard inlet and outlet connection
- Inlet and outlet O.D. will fit 2.5 [73] pipe rubber sleeve
- Performances are typical and not job specific
- Consult authorized sales representative for job specific blower or exhauster performance sizing
- Factory ASME PTC-10 test offered for performance verification

