HOFFMAN LAMSON®
An Ingersoll Rand Business

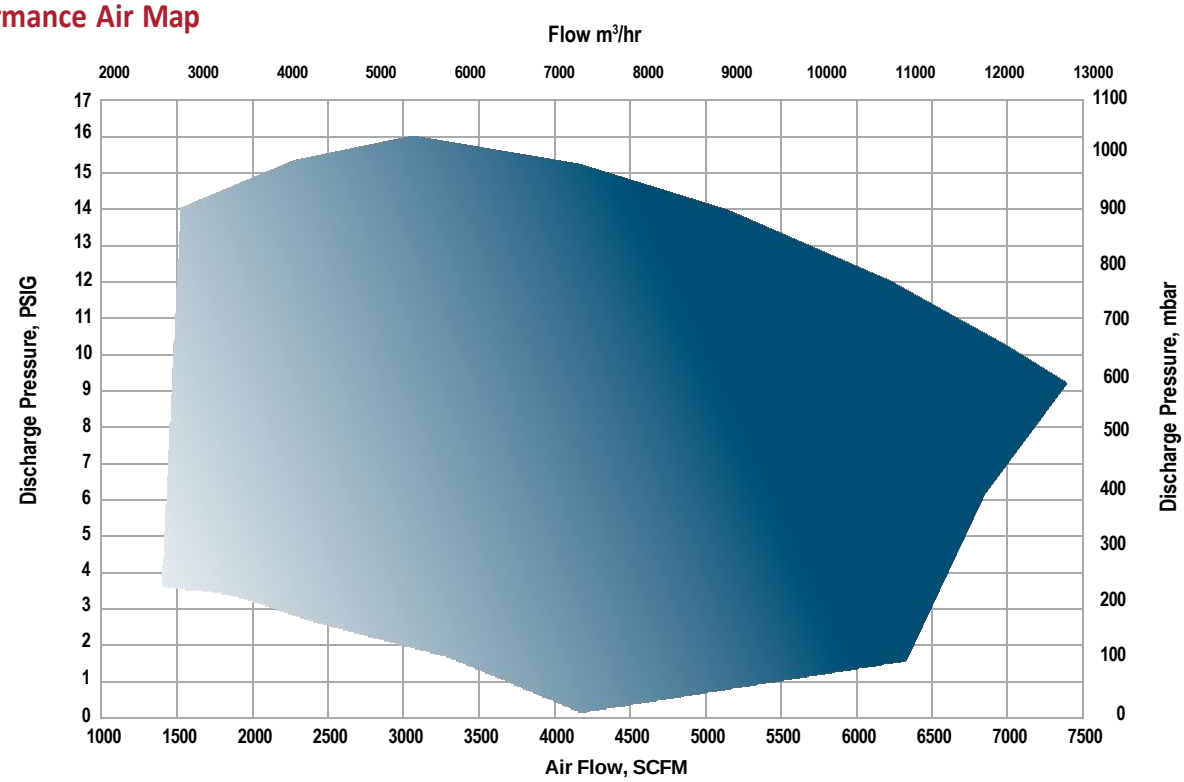
Multistage Centrifugal Blower 200 Series

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

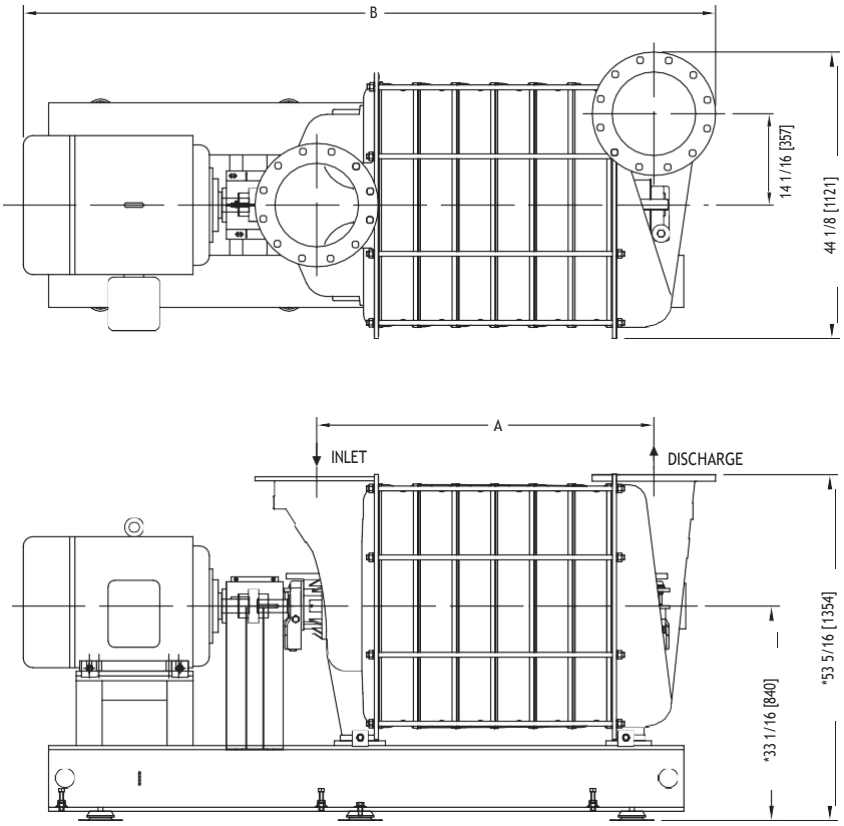
- Number of stages: 1 through 8 (9 at 50 Hz)
- Inlet connection: 12" (305 mm), Flange ANSI 125# drilling
- Outlet connection: 12" (305 mm), Flange ANSI 125 drilling
- Operating speed: up to 4300 RPM
- Shaft seals: Carbon rings
- Bearings: Long life, balls, single row, AFBMA B-10 std
- Lubrication: Oil
- Max casing pressure: 25 PSIG (1.7 bar)
- Impeller diameter: 25" (635 mm)
- Impeller tip speed: 389.1 FPS (118.7 m/s) at 3570 RPM
- Drive: Direct or gear increaser, V-Belt
- Shaft end: 2" (50.8 mm) / square key 1/2" (13 mm)
- Rotor balance: Each impeller & complete rotating assemblies are dynamically balanced as per ISO G2.5
- Casing drainage: 1/4" NPT (heads & sections)
- Cooling: Fan (if needed)
- Jacking bolts: Standard for motor and blower alignment
- Machine mounting pads: Standard for blower and motor
- Impeller eye seal: Radial labyrinth type for improved efficiency

Performance Air Map



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

General Arrangement



Material Standard

- Casing: ASTM A48 Class 30B Gray Cast Iron - HT200 equivalent
- Bearing housing: Cast Iron ASTM A48 class 30B
- Tie rods: High strength carbon steel ASTM A193-B7
- Section seals (O-rings): Fluorocarbon
- Shaft: Carbon steel AISI 1045 (Std) or Stainless (Option)
- Impellers: Cast Aluminum
- Baffle rings: Stainless steel 304
- Base: Structural carbon steel

Dimensional Data - inches [millimeters]
Weight – lb [kg] & Inertia– lb-ft^2 [kg-m^2]

MODEL	A	B	ROTOR WK^2	WEIGHT (Blower only)	
	INCH (mm)	INCH (mm)	lb.ft^2 (kg.m^2)	lb	kg
200.02	22.1 (562)	Consult factory	29.6 (1.247)	1550	705
200.03	28.1 (713)		45.5 (1.917)	2100	955
200.04	34.1 (865)		61.4 (2.587)	2700	1227
200.05	40.0 (1016)		77.3 (3.257)	3300	1500
200.06	45.9 (1168)		93.2 (3.928)	3900	1772
200.07	51.9 (1319)		109.1 (4.598)	4500	2045
200.08	57.9 (1470)		103.5 (4.361)	5100	2318
200.09	63.9 (1621)		119.4 (4.598)	5700	2591

Product Notes

1. Information is approximate, subject to change without notice, and not for construction use unless certified
2. Position shown is standard inlet & outlet orientation
3. Performances noted are typical and not job specific
4. Consult authorized sales representative for job specific blower or exhauster performance sizing
5. Factory ASME PTC-10 test offered for performance verification
6. For components that exceed 4,000 lb., machined pads are used. Height of the components on the base frame increase by 0.88 inches due to the use of machined pads

* The package height might change slightly due to the vibration isolator selection.

HOFFMAN LAMSON
An Ingersoll Rand Business
200 Simko Blvd.
Charleroi, PA 15022
USA
HOFFMANandLAMSON.com