



Multistage Centrifugal Blower

675 High Performance series

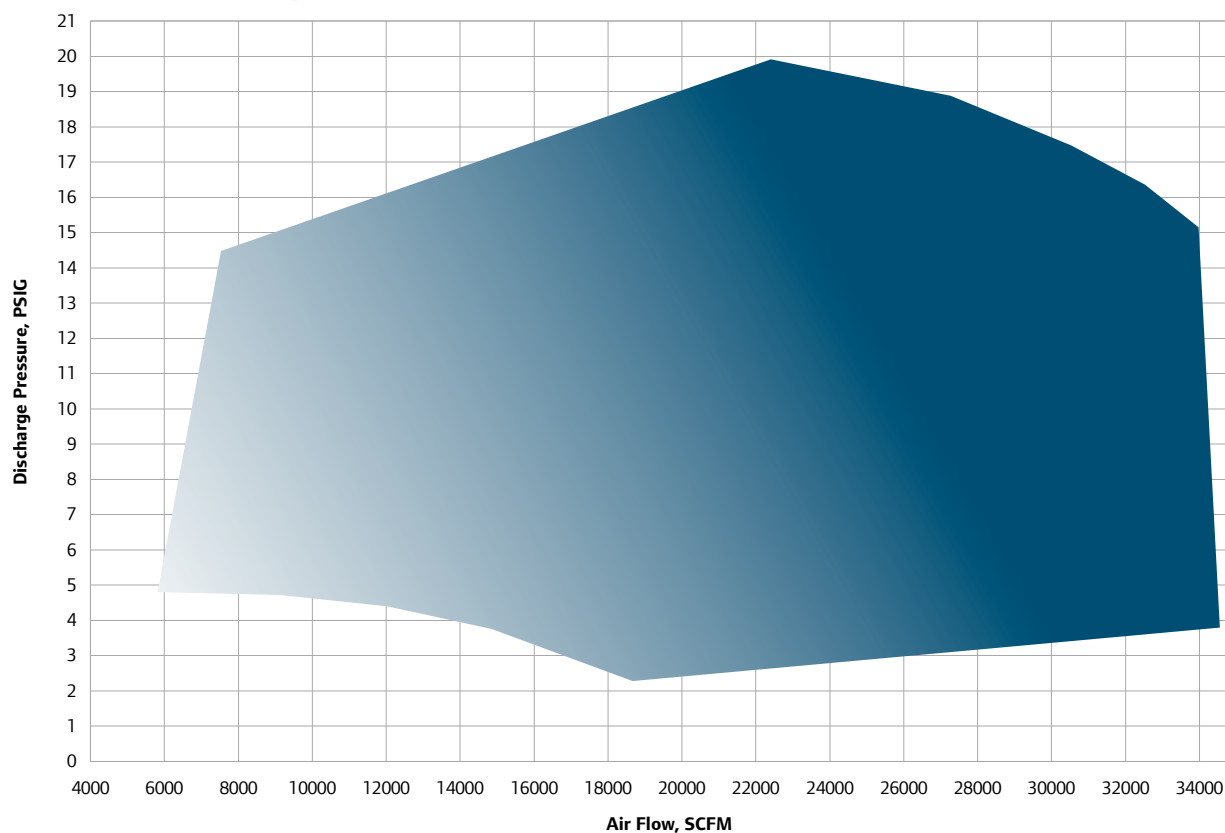
Hibon Ingersoll Rand presents new state-of-the-art technology in Multistage Centrifugal Blowers. This model offers a wide range of design features and incorporates energy efficiency improvements, complying with the strictest operational requirements of a variety of applications. Multistage blowers are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

Technical Data

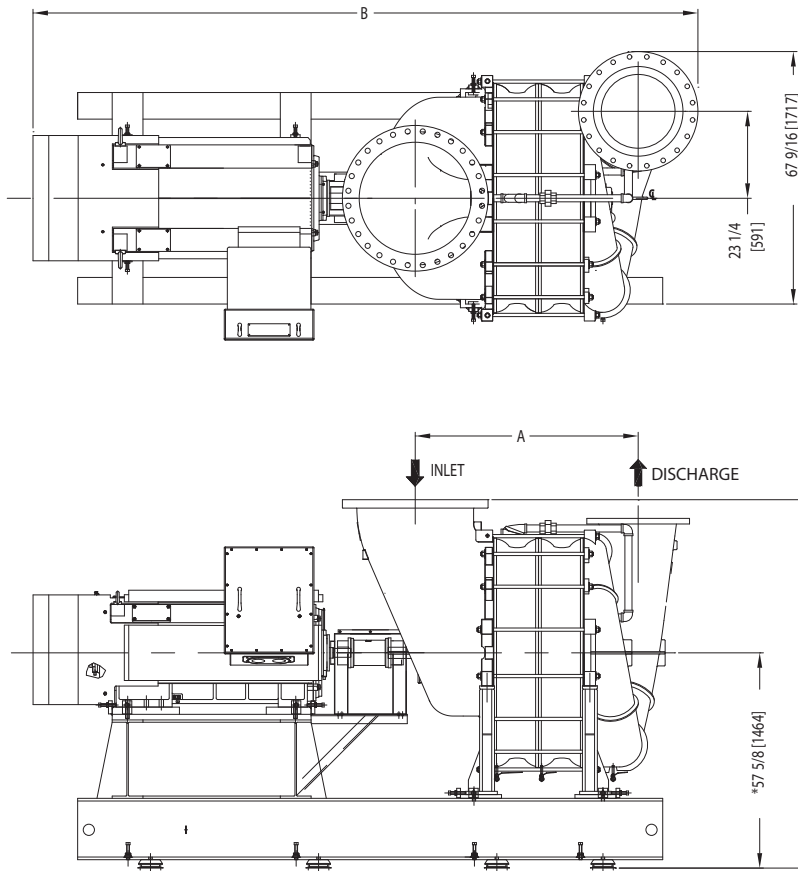
- Number of stages: 1 through 5 (6 at 50 Hz)
- Inlet connection: 24" (610 mm), Flange ANSI 125# drilling
- Outlet connection: 20" (508 mm), Flange ANSI 125# drilling
- Operating speed: 3570 RPM
- Shaft seals: Labyrinth (air) & Carbon rings (special gas)
- Bearings: Long life, balls, single row, AFBMA B-10 std
- Lubrication: Oil
- Max casing pressure: 25 PSIG (1.7 bar)
- Impeller diameter: 35" (889 mm)
- Impeller tip speed: 545 FPS (166 m/s) at 3570 RPM
- Drive: Direct or gear increaser
- Shaft end: 3 3/8" (85.7 mm) / square key 7/8" (22.23 mm)
- Rotor balance: Each impeller & complete rotating assemblies are dynamically balanced as per ISO G2.5
- Casing drainage: 1/2" NPT (heads & sections)
- Cooling: Fan (if needed)
- Balance piston: Standard
- Jacking bolts: Standard for motor and blower alignment
- Machine mounting pads: Standard for blower and motor
- Impeller eye seal: Axial labyrinth type for improved efficiency

Performance Air Map

(Based on standard conditions at 3570 RPM)



Dimensional Data:



MODEL	A	B	ROTOR WK ²	WEIGHT (Blower only)	
	INCH (mm)	INCH (mm)		lb	kg
675.02	42.75 (1086)	Consult factory	246 (10.04)	9449	4295
675.03	53.00 (1346)		354 (15.0)	11823	5374
675.04	63.25 (1607)		462 (19.6)	14197	6453
675.05	73.50 (1867)		570 (24.2)	16571	7532
675.06	83.75 (2127)		678 (28.7)	18945	8611

Values in the table and on the drawing are approximate.
 * The package height might change slightly due to the vibration isolator selection.

Materials of construction

- Casing: Cast Iron ASTM A48 class 30B
- 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 4140 (Std) or Stainless (Option)
- Impellers: Cast Aluminum
- Baffle rings: Stainless steel 304
- Base: Structural carbon steel

hibon[®]Lube



Use Hibon Lube regularly in your blowers to insure optimum performance and maximum life.

Each 1 Liter bottle of Hibon Lube is furnished with convenient peel-off labels that can be used as reminders for the next oil change.

Part Number:
 Lube-46086567
 (English),
 Lube-46431870
 (French)

Low Pressure Business / Air Solutions
 Ingersoll Rand Industrial Technologies
 12055, Cote de Liesse, Dorval, Quebec, Canada, H9P 1B4
 Tel: 514 631-3501 ■ Fax: 514 631-3502

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Ingersoll Rand Air Solutions Hibon[®]
 2 avenue Jean-Paul Sartre, 59290 WASQUEHAL France
 Tel +33 (0) 3 20 45 39 45 (ligne directe)
 Fax +33 (0) 3 20 45 39 20 (Fax Service)
 www.hibon.com www.ingersollrand.com
 email : hibon@irco.com

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