

NSGV DIRECT DRIVE PRESSURE BLOWER

TYPE "PB" SPECIFICATION

GENERAL DESCRIPTION: The NSGV **PB** Direct Drive Blowers are typically used in industrial applications for small exhaust systems where air is laden with dust or grit as well as supplying high-pressure for conveying and cooling air. The PB blowers also are a good addition to systems where a direct mount to Hose Reels or Weld Arms is called for. The PB series blower features a straight radial blade wheel that is constructed of heavy cast aluminum with a self-cleaning feature and both statically and dynamically balanced. The housing as well as the motor base is constructed of 16-gauge steel with the housing being continuous welded for rigidity and long life. An additional feature off the NSGV type PB series blower is the ability to rotate the discharge to any one of eight positions.

TECHNICAL CHARACTERISTICS:

Housing Construction: 16-gauge continuous weld steel
Wheel: Cast Aluminum Radial Blade, open-design, statically and dynamically balanced.
Motor: Industrial heavy-duty open-drip-proof continuous duty T-frame is standard.

ACCESSORIES AVAILABLE:

1. Drive Cover
2. Vibration Isolators
3. Mounting Platform
4. Backdraft damper
5. Flexible connections for inlet/outlet
6. Explosion-Proof or TEFC Motor
7. Drain in blower housing
8. Flexible connections for inlet/outlet

SUGGESTED SPECIFICATION

The **PB-___** Direct Drive Pressure Blower shall be built in accordance with AMCA 210 guidelines as well as OSHA 1910 general sound requirements. The blower shall be a direct-drive centrifugal type, high pressure, single width, single inlet as required or indicated. The blower housing shall be manufactured of continuous welded 16-gauge steel. Impellers shall be cast aluminum to prevent static electricity build-up. Fan impellers shall be of a radial design for high static pressure performance. The impeller shall be accurately balanced both statically and dynamically by means of material removal only. No balancing weights are to be used. The blower shall be the non-overloading type to provide maximum efficiency while achieving quiet, vibration-free operation. Delivered air volume, static pressure, and motor horsepower shall be as indicated on the blower schedule.

The blower motor shall be mounted on an industrial coated steel frame, and shall be able to be used to mount the entire blower assembly to either a wall / hanging platform or roof structure.

Standard AMCA arrangements shall be provided unless otherwise indicated. Blower rotation and discharge shall be indicated. Fans shall be totally free of objectionable vibration and noise.

(Insert accessories here)

The **PB** direct drive blower shall be a standard product as provided by National System of Garage Ventilation (NSGV) in Decatur, IL or approved equal.

National System of Garage Ventilation
714 N. Church St. / P.O. Box 1186
Decatur, IL 62525
(217)423-7314 / (800)728-8368 / (fax)(217)422-5387
NSGV.com JMDILLIGAF@aol.com