Spencer

SINGLE STAGE PRESSURE BLOWERS

RB SERIES
VOLUME TO: 50,000 CFM
PRESSURE TO: 3.5 PSIG
COST EFFECTIVE, ENERGY EFFICIENT...

Spencer is pleased to offer a complete line of low to medium pressure single-stage centrifugal blowers for a wide range of air and gas applications. Offering volumes to 50,000 CFM and pressure to 3.5 PSIG, we can now serve many air and pressure applications in the chemical/petrochemical, iron/steel, pulp/paper, plastic/glass and coal/foundry industries.

To meet the exact requirements of these processes with the most cost effective blower, Spencer has developed a total computer program for pressure blower selections. This advanced computer program can select a blower based on considerations such as initial cost, lowest operational cost, noise level and efficiency for optimum cost effectiveness.

STANDARD FEATURES

1. Flanged inlet and outlet to match standard ANSI 125/150# drilling.

2. Housing drain with pipe plug.

3. Housing inspection door.

4. Bolted inlet plate for easy wheel removal.

5. Continuous welded heavy-duty housing: 3/16" thick for sizes 251 thru 355. 1/4" thick for sizes 401 thru 705. 3/8" thick for sizes 751 and up.

6. Rugged, heavy-duty structural channel for bearing and motor base to minimize vibration.

7. Radial bladed impeller with tapered bushing hub.

8. Shaft seal.

9. Heavy-duty industrial bearings: (1 fixed and 1 floating): Self-aligning 300 series grease lubricated ball bearings for 3550 RPM. Spherical roller bearings for 1770 RPM and 1180 RPM.

10. Flexible coupling for arrangement #8.

11. Shaft guard for arrangement #8.

12. Coupling guard for arrangement #8.

13. Utilizes standard shaft 2, 4 or 6 pole (direct drive) electric motors. V-belt drive arrangement is also available.

OPTIONAL FEATURES

- Stainless steel or other special metal construction.

- Carbon ring or mechanical seal for gas tight construction up to 600°F.

- Spark-resistant construction.

- High temperature (up to 600°F) construction with heat slinger. (See No. 14.)

- EPOXY or other coatings for chemical applications.

- Or any special custom designed unit.
ARRANGEMENT #8
Direct drive with impeller mounted on fan shaft which is coupled to motor shaft.

ARRANGEMENT #4
Direct drive with impeller mounted on motor shaft.