

PRESSURE BLOWERS WITH OPEN STYLE STEEL WHEEL

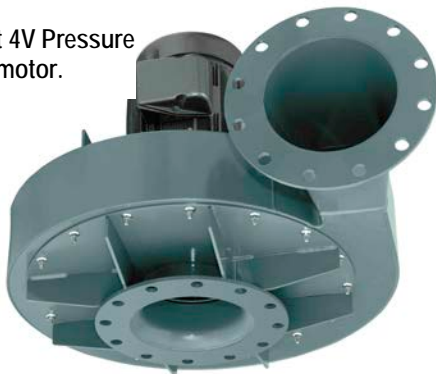
Open style
Pressure Blower
steel wheel
design with SST
wheel and
housing .



Pressure Blower
with motor.



Arrangement 4V Pressure
Blower with motor.



APPLICATIONS

Open style Pressure Blower wheels are ideal for efficiently handling smoke, gases, light non-abrasive dust or short strand material that might otherwise get caught up on a shrouded wheel.

DESIGN FEATURES

- Pressures up to 58" WG.
- Capacities to 5,200 CFM.
- Stable performance...the pressure curve remains stable from wide-open to closed-off...fan instability, or pulsation, is eliminated even when "turn-down" approaches zero flow.
- Steel wheel less front plate for more rugged applications.
- Design offers superior efficiency over conventional open radial-wheel designs.
- Variable wheel diameters and a choice of six outlet sizes enable efficient fan selection across a wide range of volumes and pressures.
- Choice of arrangements...direct-drive and belt-drive.
- Wide application range...designed for continuous operation in combustion, cooling, conveying, drying, and various process systems.

CONSTRUCTION FEATURES

All-welded steel housings - heavy-gauge housings are designed specifically to prevent "flexing" at high pressures.

Concentric Lock Bearings - selected to provide long service life through the entire operating range of the fan.

Flanges - continuously welded flanges match ANSI Class 125/150 hole pattern.

Balance - all wheels are precision-balanced prior to assembly...fans with motors and drives mounted by **nyb** are given a final trim balance check at the specified running speed.

Shafting - straightened to close tolerance to minimize "run-out" and ensure smooth operation.

Inlet configuration - a choice of three inlet types allows units to be tailored to specific application requirements.

Lifting eyes - standard on all units for ease of handling and installation.

Finish - medium-green industrial coating.

Stainless Steel Construction - Types 304 and 316 stainless alloy construction are available for corrosive applications.



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CS-451
Form 718 JLK

WHEEL WEIGHTS AND WR²

| SIZE | OUTLET | WEIGHT (lbs) | WR ² (lb-ft ²) |
|------|----------|--------------|---------------------------------------|
| 14 | 06 | 20 | 2.7 |
| 15 | 06, 08 | 22 | 3.4 |
| 16 | 06, 08 | 24 | 4.3 |
| 17 | 06, 08 | 26 | 5.4 |
| 18 | 06, 08 | 28 | 6.5 |
| 19 | 03 | 24 | 6.2 |
| 19 | 04,06 | 30 | 7.0 |
| 19 | 08, 10 | 34 | 7.9 |
| 19 | 12 | 35 | 8.4 |
| 20 | 03 | 26 | 7.5 |
| 20 | 04,06 | 32 | 8.4 |
| 20 | 08, 10 | 36 | 9.5 |
| 20 | 12 | 38 | 10.0 |
| 21 | 03 | 28 | 9.0 |
| 21 | 04,06 | 34 | 10.1 |
| 21 | 08, 10 | 39 | 11.3 |
| 21 | 12 | 40 | 11.9 |
| 22 | 03 | 30 | 10.7 |
| 22 | 04,06 | 36 | 11.9 |
| 22 | 08, 10 | 41 | 13.4 |
| 22 | 12 | 43 | 14.1 |
| 23 | 03 | 37 | 13.7 |
| 23 | 04,06,08 | 46 | 15.6 |
| 23 | 10, 12 | 48 | 16.5 |
| 24 | 03 | 39 | 16.0 |
| 24 | 04,06,08 | 49 | 18.2 |
| 24 | 10, 12 | 50 | 19.3 |
| 25 | 03 | 42 | 18.6 |
| 25 | 04,06,08 | 52 | 21.1 |
| 25 | 10, 12 | 53 | 22.3 |
| 26 | 03 | 44 | 21.6 |
| 26 | 04,06,08 | 54 | 24.3 |
| 26 | 10, 12 | 56 | 25.7 |

| Size | Max Safe Speed (RPM) |
|-------|----------------------|
| 14-18 | 4000 RPM |
| 19-22 | 3900 RPM |
| 23-26 | 3800 RPM |