



Breathe Easier...  
Breathe Better!



### *Application*

- ✓ Industrial application for small exhaust systems
- ✓ Extraction of contaminated air laden with dust or dirt
- ✓ Supplying high pressure air for conveying and cooling
- ✓ Can also be used on small kitchen hoods

(some restrictions apply)

### *Description*

The centrifugal blowers series HRD with radial blades are commonly used in the low to medium pressure range from ¼ to 6 inches w.g. and capacities from 300 to 2000 cfm.

### *Capacities*

Tested and rated in accordance with codes adopted by AMCA and ASHRAE.

### *Construction*

Housing and base are 16 ga. steel for rigidity and long life. Wheels are radial blades of heavy cast aluminum, dynamically balanced, self cleaning and are designed for efficient operation. Blowers are supplied with baked enamel.

### *Rotation and Discharge*

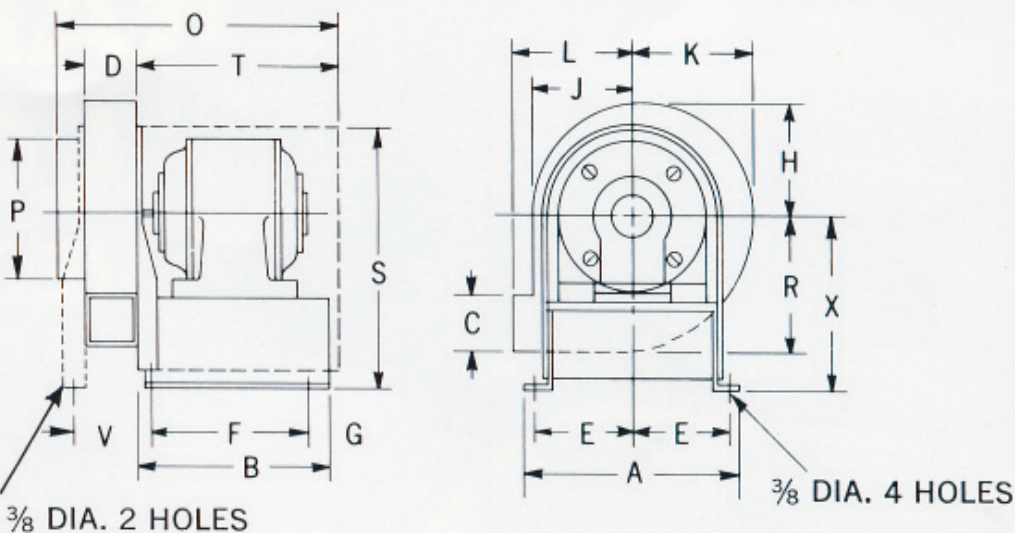
The HRD series may be oriented in any standard clockwise and counter clockwise direction. They are normally furnished for clockwise rotation, bottom horizontal discharge.

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**The future is clean air ... the future is *Sourcetek*®**

**Sourcetek Pressure Blower HRD Series**

# Sourcetec Pressure Blower HRD Series



HRD Blower Performance

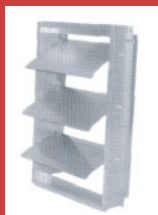
HRD Blower Dimensions

| Blower     | Wheel          | Bore  | A      | B      | C     | D     | E     | F      | G   | H      | J     |
|------------|----------------|-------|--------|--------|-------|-------|-------|--------|-----|--------|-------|
| HRD-8      | 7 3/4 x 2 1/4  | 1/2   | 11     | 8.0    | 3.0   | 3.0   | 5.0   | 7.0    | 1/2 | 5 3/8  | 4 7/8 |
| HRD-9      | 9 x 2 3/4      | 1/2   | 12 1/8 | 8.0    | 3 1/2 | 3 1/2 | 5 5/8 | 7.0    | 1/2 | 6 3/8  | 5 3/4 |
| HRD-11     | 10 5/8 x 3     | 5/8   | 14 3/4 | 9.0    | 4.0   | 3 1/2 | 6 7/8 | 7 1/2  | 3/4 | 7 1/4  | 6 1/2 |
| HRD-11 1/2 | 12 3/8 x 3     | 5/8   | 9.0    | 8.0    | 5.5   | 4.25  | 3.25  | 6.0    | 3/4 | 8 1/2  | 8 3/4 |
| HRD-2      | 12 3/8 x 3     | 5/8   | 9.0    | 8.0    | 5.5   | 4.25  | 3.25  | 6.0    | 3/4 | 8 1/2  | 8 3/4 |
| HRD-12     | 12 1/2 x 3     | 7/8   | 17.0   | 8.0    | 5.0   | 4.0   | 8.0   | 6 1/2  | 3/4 | 8 1/4  | 7 1/2 |
| HRD-14     | 13 1/2 x 4 3/8 | 1 1/8 | 17 5/8 | 11 1/4 | 7 1/8 | 5 3/4 | 8.0   | 9 9/16 | 1.0 | 10 1/2 | 9 5/8 |

| Blower     | Wheel          | Bore  | K      | L     | O      | P   | R      | X      | S      | T    | V     |
|------------|----------------|-------|--------|-------|--------|-----|--------|--------|--------|------|-------|
| HRD-8      | 7 3/4 x 2 1/4  | 1/2   | 5 7/8  | 5 7/8 | 16.0   | 4.0 | 6 5/8  | 8 1/2  | 13 1/8 | 12.0 |       |
| HRD-9      | 9 x 2 3/4      | 1/2   | 6 7/8  | 6 3/4 | 20 3/4 | 5.0 | 7 1/2  | 9 3/8  | 14 5/8 | 16.0 |       |
| HRD-11     | 10 5/8 x 3     | 5/8   | 8.0    | 7 5/8 | 20 3/4 | 6.0 | 8 5/8  | 11 3/4 | 18 1/4 | 16.0 |       |
| HRD-11 1/2 | 12 3/8 x 3     | 5/8   | 9 3/4  | 8 3/4 | 21.0   | 7.0 | 10 3/4 | 12 1/2 | 18.0   | 12.0 |       |
| HRD-2      | 12 3/8 x 3     | 5/8   | 9 3/4  | 8 3/4 | 21.0   | 7.0 | 10 3/4 | 12 1/2 | 18.0   | 12.0 |       |
| HRD-12     | 12 1/2 x 3     | 7/8   | 9.0    | 9 5/8 | 20 1/8 | 7.0 | 10.0   | 10 5/8 | 18 3/8 | 15.0 |       |
| HRD-14     | 13 1/2 x 4 3/8 | 1 1/8 | 11 3/8 | 11.0  | 22.0   | 8.0 | 11 1/2 | 12 5/8 | 21 1/2 | 15.0 | 7 1/4 |

| Model #    | Motor HP | Blower RPM | 1" S.P. | 1 1/2" S.P. | 2" S.P. | 2 1/2" S.P. | 3" S.P. | 3 1/2" S.P. | 4" S.P. | 5" S.P. | 6" S.P. | 7" S.P. | 8" S.P. | 9" S.P. |
|------------|----------|------------|---------|-------------|---------|-------------|---------|-------------|---------|---------|---------|---------|---------|---------|
| HRD-8      | 1/2      | 3600       | 295     | 265         | 230     | 200         | 165     | 125         |         |         |         |         |         |         |
| HRD-9      | 1/2      | 3600       | 525     | 495         | 470     | 440         | 405     | 380         | 330     | 200     |         |         |         |         |
| HRD-11     | 1.0      | 3600       | 800     | 770         | 740     | 705         | 680     | 640         | 600     | 500     | 400     | 300     |         |         |
| HRD-11 1/2 | 1 1/2    | 3600       | 965     | 935         | 872     | 840         | 800     | 760         | 730     |         |         |         |         |         |
| HRD-2      | 2.0      | 3600       | 1080    | 1040        | 1025    | 995         | 970     | 950         | 935     | 890     |         |         |         |         |
| HRD-12     | 3.0      | 3600       | 1190    | 1160        | 1130    | 1100        | 1065    | 1030        | 1000    | 930     | 860     | 780     | 690     | 575     |
| HRD-14     | 5.0      | 3600       | 2280    | 2230        | 2180    | 2130        | 2070    | 2020        | 1960    | 1840    | 1720    | 1570    | 1400    | 1240    |

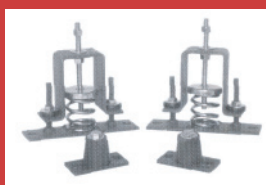
## Options



Automatic Backdraft Dampers Designed to prevent reverse flow of air when blower is not operating



Inlet & Outlet Screens Prevent entrance of birds or debris and provide protection of personnel.



Vibration Isolator Designed to provide even distribution of weight.



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