



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  $\frac{1}{4}$  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

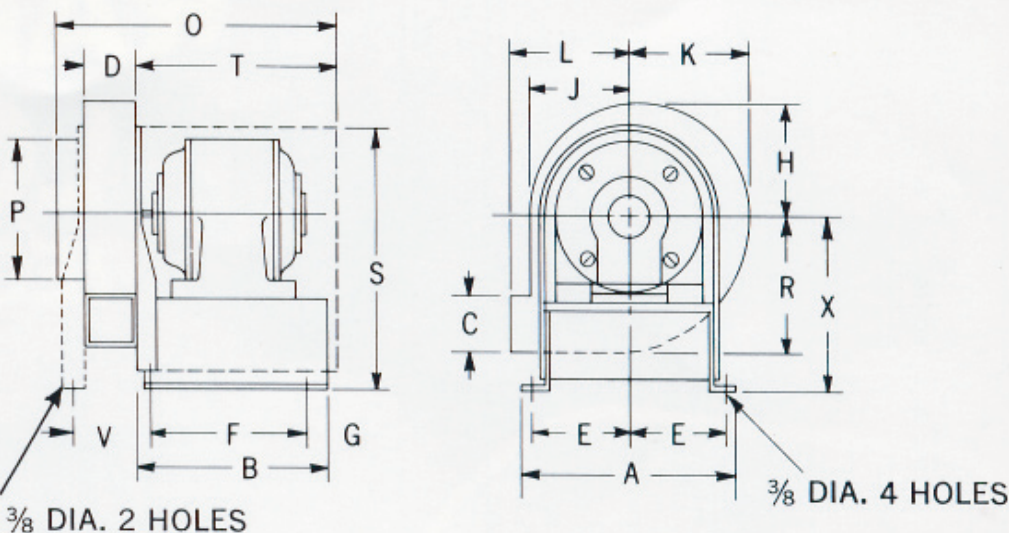
The HRD series may be oriented in any standard clockwise and counter clockwise direction. They are normally furnished for clockwise rotation, bottom horizontal discharge.

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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 Dimensions

Bore	A	B	C	D	E	F	G	H	J
1/2	11.0	8.0	3.0	3.0	5.0	7.0	1/2	5-3/8	4-7/8
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
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
7/8	17.0	8.0	5.0	4.0	8.0	6-1/2	3/4	8-3/4	7-1/2
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

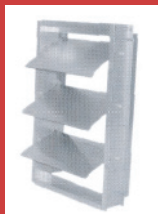
Bore	K	L	O	P	R	X	S	T	V
1/2	5-7/8	5-7/8	16.0	4.0	6-5/8	8-1/2	13-1/8	12.0	
1/2	6-7/8	6-3/4	20-3/4	5.0	7-1/2	9-3/8	14-5/8	16.0	
5/8	8.0	7-5/8	20-3/4	6.0	8-5/8	11-3/4	18-1/4	16.0	
7/8	9.0	9-5/8	20-1/8	7.0	10.0	10-5/8	18-3/8	15.0	
1-1/8	11-3/8	11.0	22.0	8.0	11-1/2	12-5/8	21-1/2	15.0	7-1/4

\* all dimensions are approximate

HRD Blower Performance

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	350	200				
HRD-11	1.0	3600	800	770	740	705	680	640	600	500	400	300		
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.

**Sourcetec**  
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