



Breathe Easier...
Breathe Better!

Application

- ✓ Suction of fairly dusty air
- ✓ Exhaust and supply air applications
- ✓ Used extensively for air conveying, Including assembly and packaging operation
- ✓ Exhausting fumes and high temperature gases or air in industrial ovens, and for forced draft applications

Description

The Sourcetek Direct Drive Motor Blower DS Series are high performance direct drive multi-purpose fans. The Blower is equipped with a backward inclined which is recognized as the most efficient fan blade design yet developed to date.

Capacities

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

Construction

Housing and base are fabricated from heavy gauge steel with continuous airtight weld. Cast Aluminum wheel on sizes 8 ³/₄ to 10 and optional on larger sizes.

Rotation and Discharge

For versatility, housing can be installed on the floor, ceiling or wall in any one of four basic discharge positions.

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

Sourcetek Direct Drive Motor Blower DS Series

Sourcetec Direct Drive Motor Blower DS Series

3500 RPM Performance Data

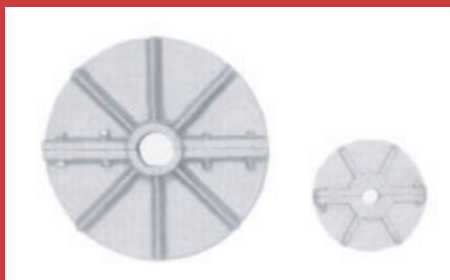
Fan Size	STD. Motor HP	Max. BHP	1/2" SP		1" SP		1 1/2" SP		2" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
			CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV
DS-8	3/4	0.54	1103	2451	1055	2344	1001	2224	936	2080	868	1929	795	1767	708	1573				
DS-10	1	0.97	1773	3005	1694	2871	1615	2737	1536	2603	1461	2476	1380	2339	1290	2186	1183	2055	1033	1751
DS-12	5	3.14	3810	4330	3670	4170	3590	4080	3455	3926	3340	3795	3244	3689	3115	3540	2995	3403	2840	3227
DS-13	7 1/2	5.11	5130	4794	4964	4639	4840	4523	4723	4414	4600	4299	4493	4199	4350	4065	4252	3974	4085	3818
DS-15	10	8.7	7045	5337	6872	5206	6750	5114	6603	5002	6495	4920	6343	4805	6240	4727	6088	4612	5980	4530
DS-16	15	14	9340	5874	9209	5792	9070	5704	8913	5606	8780	5522	8621	5422	8495	5343	8339	5245	8198	5156

Fan Size	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV
DS-12	2712	3082	2590	2943	2443	2776	2287	2599	2126	2416	1488	1691								
DS-13	3965	3706	3860	3607	3652	3413	3562	3329	3356	3136	3038	2839	2596	2426	1735	1621				
DS-15	5815	4405	5656	4285	5498	1465	5378	4074	5149	3901	4814	3647	4484	3397	4118	3120	3633	2752	2726	2065
DS-16	8057	5067	7906	4972	7756	4878	7601	4781	7414	4663	7034	4424	6654	4185	6293	3958	5927	3728	5525	3475

Fan Size	13" SP		14" SP		15" SP		16" SP		17" SP		18" SP		19" SP		20" SP		21" SP		22" SP	
	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV	CFM	OV
DS-16	5030	3164	4211	2648	3088	1942														

We reserve the right to change specifications without notice.

ACCESSORIES

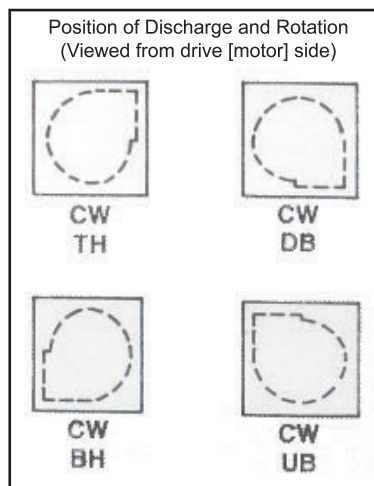
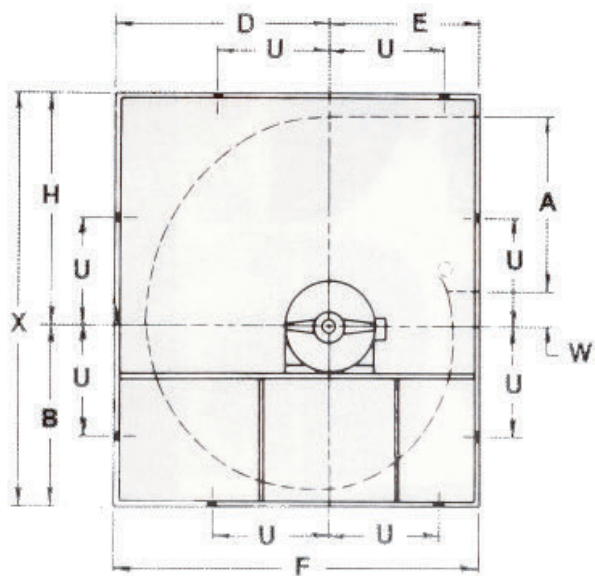


Heat Slinger (Not suggested for use with Direct Drive Blowers)
Designed to prevent over-heating for blowers handling air at temperatures over 250°F

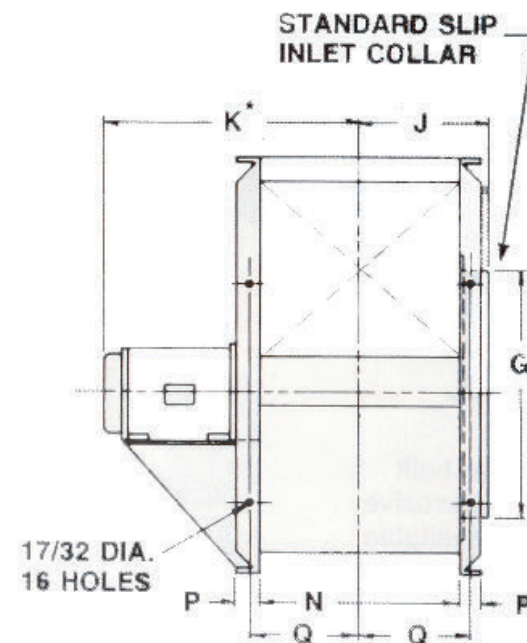


Automatic Backdraft Dampers
Designed to prevent reverse flow of air when blower is not operating





* Counter clockwise is optional



Dimensional Data

Fan Size	Wheel Diameter	Dimensions - Inches														
		A	B	D	E	F	G	H	J	K	N	P	Q	U	W	X
DS-8	9 7/16	8 9/16	7 5/8	9 1/16	7 1/2	16 9/16	9 3/8	10 3/8	5 3/8	13 7/16	7 9/16	1 1/8	4 15/32	5 1/6	11/16	18
DS-10	10 13/16	9 13/16	8 5/8	10 5/16	8 1/2	18 13/16	10 7/8	11 11/16	5 7/8	16 1/2	8 5/8	1 1/8	5	5 11/16	11/16	20 5/16
DS-12	13 1/4	12	10 1/2	12 1/2	10	22 1/2	13 7/16	14 1/16	6 7/8	18 3/8	10 11/16	1 1/8	6 1/32	7	1 1/16	24 9/16
DS-13	14 9/16	13 1/4	11 1/2	13 3/4	11	24 3/4	15 7/16	15 3/8	7 7/16	22 11/16	11 3/4	1 1/8	6 9/16	7 11/16	1 1/16	26 7/8
DS-15	16 3/16	14 5/8	12 3/4	15 1/4	12	27 1/4	16 9/16	17 5/16	8 1/16	26 1/4	13 1/16	1 1/2	7 3/8	8 9/16	1 1/4	30 1/16
DS-16	17 13/16	16	14	16 3/4	13	29 3/4	18 9/16	18 15/16	8 3/4	28 3/8	14 3/8	1 1/2	8 1/16	9 3/8	1 7/16	32 15/16

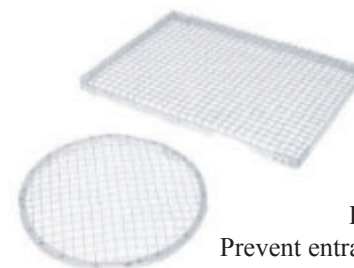


Vibration Isolator
Designed to provide even
distribution of weight.



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- BD Blower with 1750 RPM Motor
- ON/OFF Switches with Controls

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Applications*



Sourcetec Belt Drive Fan
SBI Series



Industrial Blower
Series SIF



Pressure Blower
Series HRD-LRD



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

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05/14