aerotech

We move the air to serve

Fans Section

CENTRIFUGAL BACKWARD INCLINE FANS

Centrifugal Backward Incline Fans

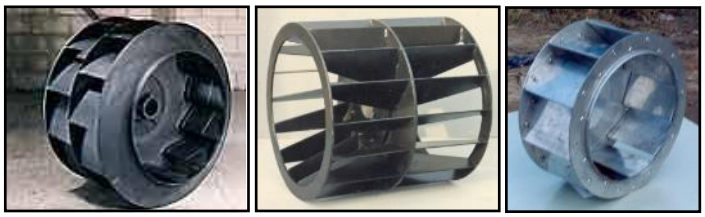
Fans are made in according to AMCA Standard 210. Prior to shipment units are factory run. Actual test conditions may be simulated at factory and can be witnessed by users or their representatives. Fans are warranted against manufacturing defect. Siemens motors are installed on fan units for sizes 1 HP and above.

A typical rugged unit with heavy gauge sheets and bracing with mild steel structu provide strength and rigidity for long service life. Ready access to the motor and sturdy motor base provides for quick and accurate belt adjustment and ease of maintenance.

Sizes 12 to 72 Type SWSI & DWDI

A heavy duty properly sized shaft and bearings of self-aligning type. The fan shafts are properly sized and are made of carbon steel 1040. Close tolerances are maintained where the shaft makes contact with bearings and fan wheel hub. Bearings are either ball or roller type dependent upon the size and class of fan involve. Specialized type of bearings to suite non-standard operating conditions involving temperature, extra heavy loading or other field conditions are available. Housings are equipped with inlet cones designed for smooth air flow into accompanying intake rim of the fan impeller. The matching pair of intake cone and wheel rim operates as a unit for best air flow.

Features



- Sizes 12” to 72”
- Type SWSI & DWDI
- Direct & Belt-Drive
- Self-Aligning Ball Bearing
- Carbon Steel Shaft
- Standard construction in mild steel
- Split housing construction is available on fans, size 27 and larger
- Standard corrosion resistant primer prior to finished enamel paint
- Opposed blade configuration.
- Motors are Siemens on fan sizes 1HP and above. TEFC, IP54, class F insulation, Eff IE2
- Electrics 380/400 V, 50 Hz,
- 3Phase

Options

- Stainless steel or aluminum wheel
- Stainless steel scroll and shaft
- Special coatings i.e. epoxy or rubber chlorinated paint.
- Discharge dampers made from heavy gauge GI sheet available both in parallel and Electrics

Motor HP at various Static Pressures

Size	CFM	O.V.	0.5”	0.7”	1”	1.5”	2”	2.5”	3”	3.5”	4”
15”	1935	1500	1	1	1	1	2	2	2	3	3
	2580	2000	1	1	1	2	2	2	3	3	3
	3096	2500	2	2	2	2	3	3	3	5	5
18”	2880	1500	1	1	1	2	2	2	3	3	5
	3840	2000	2	2	2	2	3	3	5	5	5
	4608	2500	2	3	3	3	5	5	5	7.5	7.5
24”	5175	1500	2	2	2	3	5	5	5	7.5	7.5
	6900	2000	3	3	3	3	5	7.5	7.5	7.5	10
	8280	2500	5	5	5	7.5	7.5	7.5	10	10	10
30”	7755	1500	3	3	3	5	5	7.5	7.5	10	10
	10340	2000	5	5	5	7.5	7.5	10	10	15	15
	12408	2500	5	7.5	10	10	10	15	15	15	20
36”	11490	1500	5	5	5	7.5	7.5	10	15	15	15
	15320	2000	5	7.5	7.5	10	15	15	15	20	20
	18384	2500	7.5	10	10	15	15	20	20	25	25

Note: -Technical details for other sizes are available on demand.
-Ask Performance curves for sizes 12” to 72”

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