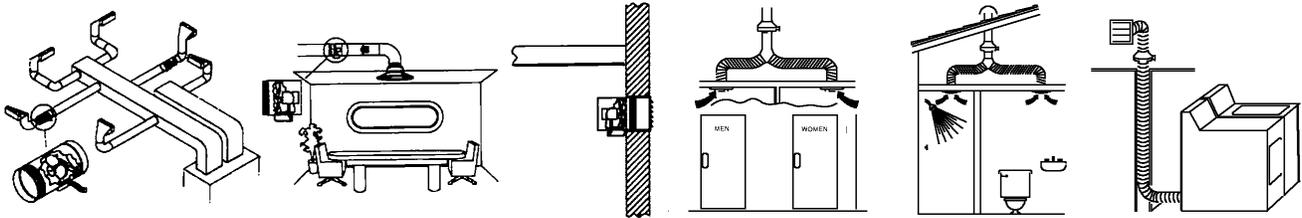
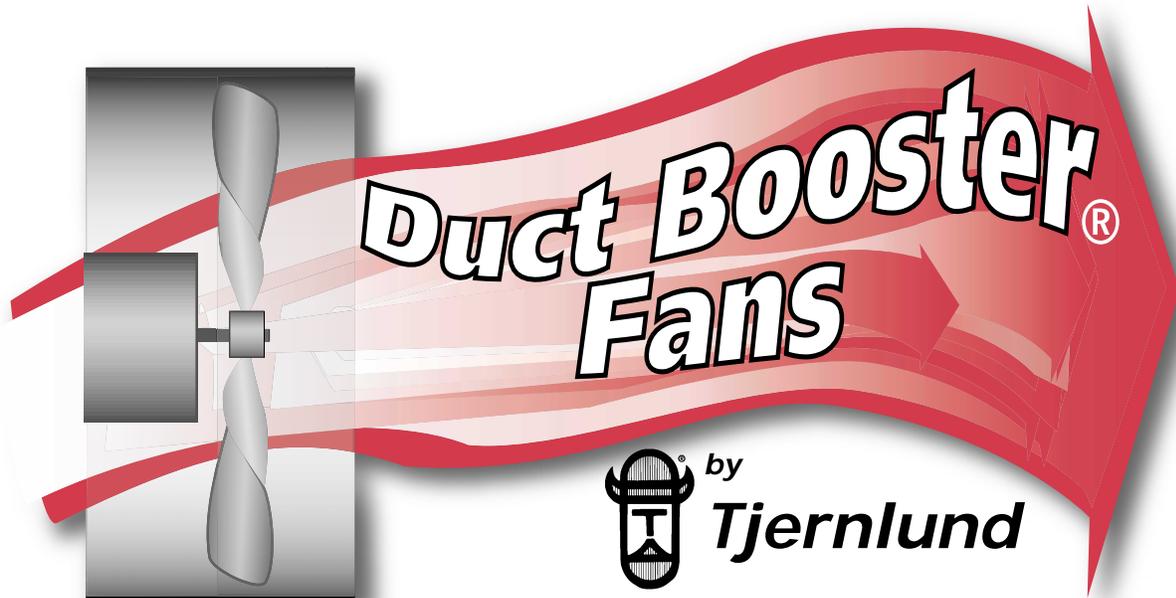


✓ Residential ✓ Commercial



Whether you need to boost air flow for heating or cooling, or pulling power to exhaust air, Tjernlund has the right Duct Booster Fan for the job.

All Tjernlund supply and exhaust Duct Booster Fans are engineered for easy installation, quiet operation and years of trouble-free service. There are many sizes and types to match specific residential and commercial installation requirements.

Solve Air Delivery Problems:

Duct Booster Fans can be installed in existing supply ducts to boost air flow into hard-to-heat or cool rooms.

Solve Exhaust Problems:

Duct Boosters are the efficient, economical way to exhaust unwanted heat, humidity, odors or other air-borne contaminants.

IMPORTANT: DUCT BOOSTER FANS ARE NOT SUITABLE FOR EXHAUSTING FLUE GASES AND ENVIRONMENTS WHERE EXPLOSION-PROOF MOTORS ARE REQUIRED.

Duct Booster® Fans

Your best value for boosting air flow in ducts or for powered air intakes and exhausts

- Boost air flow in hard to heat or cool rooms
- Model DB-2 features motor outside of air stream
- Easy installation in both metal and flex duct (EF-Series only)
- Optional speed and Duct Airstat operating controls
- Quiet, smooth operation



Applications:

Commercial

- Duct Booster Fan
- Outdoor Air Supply
- Lunchroom Exhaust
- Spot Ventilation
- Soldering/Welding Exhaust
- Bathroom Exhaust
- Warehouse/Pole Barn Exhaust

Residential

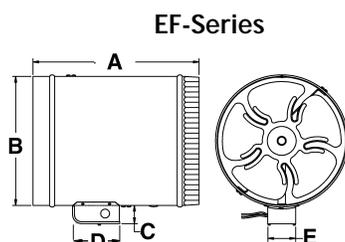
- Duct Booster Fan
- Outdoor Air Supply
- Bathroom Exhaust
- Spot Ventilation
- Crawl Space Exhaust

Electrical and Performance Data:

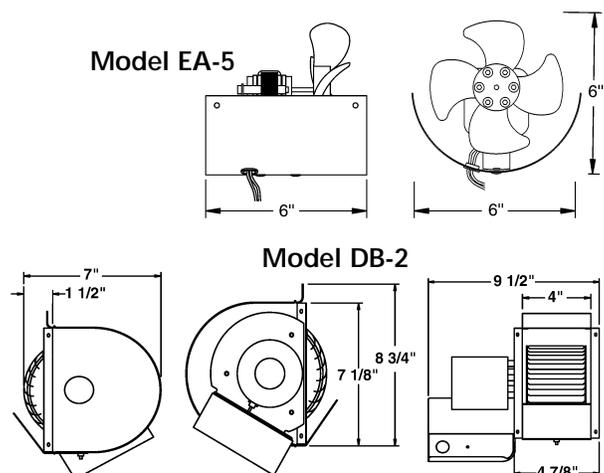
Model	Motor Specifications			Duct Length in Feet				Maximum Air Temp Degrees F
				Free Air CFM	25 Feet CFM	50 Feet CFM	75 Feet CFM	
DB-2, 6" Duct	120V	1/70 HP	.51A	200	150	100	95	200°F
DB-2, 8" Duct				275	250	220	180	
EA-5	120V	30 Watt	.40A	180	150	100	90	150°F
EF-6	120V	30 Watt	.40A	180	150	100	90	150°F
EF-8	120V	56 Watt	1.10A	325	300	250	200	150°F
EF-10	120V	1/100 HP	.60A	475	400	325	275	150°F
EF-12	120V	1/25 HP	1.30A	875	800	700	600	150°F
EF-14	120V	1/15 HP	2.17A	1200	1100	1000	900	150°F

1. Table is based on straight metal duct. 90 degree elbows are equivalent to 10 feet of straight duct. Performance based on 70 degrees F. standard air.
2. The model DB-2 can be installed in round ducts up to 8", rectangular ducts as shallow as 3 1/4".
3. The model EA-5 can be installed in either round or rectangular ducts 6" or larger.
4. The number after EF- matches the round duct diameter. Example: The EF-8 connects to 8" round duct.
5. For complete performance specifications, consult factory or www.tjernlund.com.

Dimensions:



Model	EF-Series Unit Dimensions (In.)				
	A	B	C	D	E
EF-6	6 1/2	6	1 5/8	4 3/8	2 5/8
EF-8	9	8	1 5/8	4 3/8	2 5/8
EF-10	15 3/4	10	1 5/8	4 3/8	2 5/8
EF-12	15 3/4	12	1 5/8	4 3/8	2 5/8
EF-14	15 3/4	14	1 5/8	4 3/8	2 5/8



High Performance Duct Booster® Fans

Versatile and durable Tjernlund High Performance Fans feature exceptional air handling performance with low noise and extremely low power usage.

- Use in temperatures up to 140°F
- Permanently sealed bearings
- Maintenance free
- Variable speed adjustable
- Totally enclosed
- Quiet operation

M and P-Series Applications:

Commercial

- Duct Booster Fan
- Bathroom Exhaust
- Locker Room Exhaust
- Soldering Booth Exhaust
- Copying Machines
- Plastic Extrusion Machines
- Exhaust Ventilation
- Spot Ventilation Systems

Residential

- Duct Booster Fan
- Bathroom Exhaust
- Room Exhaust
- Supplemental Range Hood Exhaust

M-Series (Metal Housing)

Ideal for long runs or air supply and exhaust applications requiring a metal housing.

Features include:

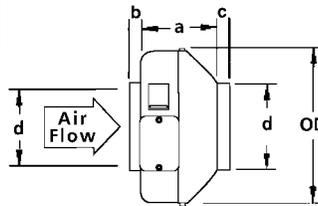
- Powder coated, galvanized housing
- Horizontal or vertical mounting
- Connects to rigid or flex ducts
- Mounting bracket included



Dimensions:

Model	OD	a	b	c	d
M-4	8	5 1/2	7/8	7/8	4
M-6	11 1/2	6	3/4	7/8	6
M-8	13 1/4	6 1/4	1	7/8	8

Dimensions in inches



M-Series Electrical and Performance Data:

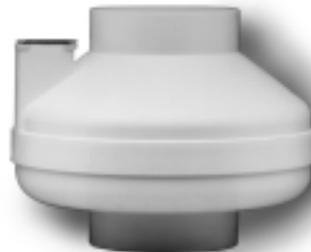
Model	Max Amps	Max Watts	Volts	Nom. RPM	CFM vs Static Pressure								Duct Dia.	Weight
					0"	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"		
M-4	.17	19	115	2950	117	101	86	72	58	-	-	-	4"	6 Lbs
M-6	.74	84	115	2700	257	241	221	197	178	143	99	-	6"	9 Lbs
M-8	1.02	116	115	2600	481	444	403	361	319	237	177	76	8"	11 Lbs

P-Series (Plastic Housing)

The ultimate bath/spa exhausters to eliminate fogged mirrors and lingering odors. They are also ideal for exhausting high moisture areas such as sub-slab radon gas mitigation and dryer vent boosting.

Features include:

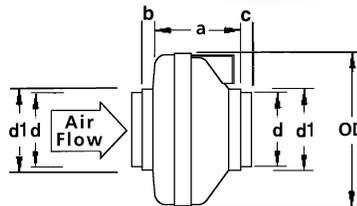
- High impact G.E. Noryl housing
- Horizontal or vertical mounting
- Connects to rigid or flex ducts
- Mounting bracket included



Dimensions:

Model	OD	a	b	c	d	d1
P-4	9 1/2	5 1/4	7/8	7/8	4	5
P-6	11 3/4	5 7/8	1	7/8	6	6 1/4
P-8	13 1/4	6 1/4	1 1/2	1 1/2	8	10

Dimensions in inches



P-Series Electrical and Performance Data:

Model	Max Amps	Max Watts	Volts	Nom. RPM	CFM vs Static Pressure								Duct Dia.	Weight
					0"	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"		
P-4	.72	80	115	2900	167	156	144	136	123	93	63	4	4"	5 Lbs
P-6	.77	90	115	2700	243	229	214	199	183	149	114	18	6"	7 Lbs
P-8	1.10	122	115	2750	408	378	347	315	284	225	173	72	8"	9 Lbs

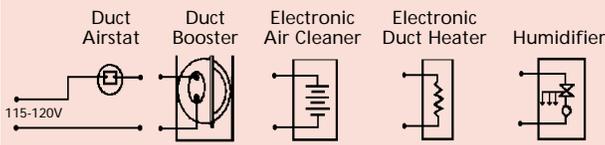
Duct Booster® Fan Accessories

Duct Airstat Model PS1503



The Tjernlund Duct Airstat is used to automatically activate Duct Booster fans by sensing positive pressure in a forced air heating and/or cooling system. The single pole, single throw, snap-acting switch is activated by a diaphragm with a factory installed sampling probe inserted directly into the duct or plenum.

Typical Applications



PS1503 Specifications

Electrical Rating:

15 Amps non-inductive to 277 Volts AC

Electrical Switch:

SPST, N/O, Snap Action Contacts, Non-adjustable

Operating Pressure/Position:

On pressure rise $+0.05 \pm .02$ " W.C. (Diaphragm Vertical)

Maximum Pressure:

1/2 PSI

Operating Temperature Range:

-40°F to 190°F

Sampling Probe:

Self-sealing, Factory-mounted probe

Dimensions:

5 1/2" across bracket, 3" high

DR-10 Dryer Vent Switch



Used to automatically activate P-Series Duct Booster when dryer is in operation. DR-10 is a positive pressure sensing switch that recognizes dryer operation and activates the booster fan from an independent electrical circuit. Eliminates connections through the dryer circuit as well as manual systems which require attention of the operator.

Operating Pressure/Position:

On pressure rise $+0.05$ to $+0.07$ " W.C.
(Diaphragm Vertical)

SC-1 Speed Control



Speed Control turns Duct Fans on and off and can vary motor RPM. SC-1 is compatible with Duct Airstat (model PS1503) and can be used with all High Performance M & P Series and Duct Booster Fan models EA-5, EF-6, EF-8 and EF-10. (Face plate fits models EF-6, 8, 10 electrical box.)

BD-Series Backdraft Damper

Galvanized steel, spring-loaded dampers prevent backdrafts. (4", 6" & 8" sizes.)



G-Series Supply/Exhaust Grilles

White plastic, dual purpose grilles with mounting collars. (4", 6" & 8" sizes.)



Duct Booster® Fan Selection Table

	Bath/Spa Exhaust	Duct Boosting	Radon Mitigation	Dryer Venting	Breakroom or Kitchen Exhaust	Office or Conference Rm Exhaust/Boost	Indoor/Outdoor Air Supply/Exhaust
M-Series		•			•	•	•
P-Series	•	•	•	•			•
EA & EF-Series		•			•	•	•
DB-2		•					•

Tjernlund Products also offers:

- Combustion and fresh air In-Forcers™ ensure adequate combustion air for heating equipment or to improve air quality problems.
- Power Venters easily sidewall vent gas, LP and oil fired furnaces, water heaters and boilers.



Combustion & Fresh Air In-Forcers

Sidewall Power Venters



Distributed by:



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