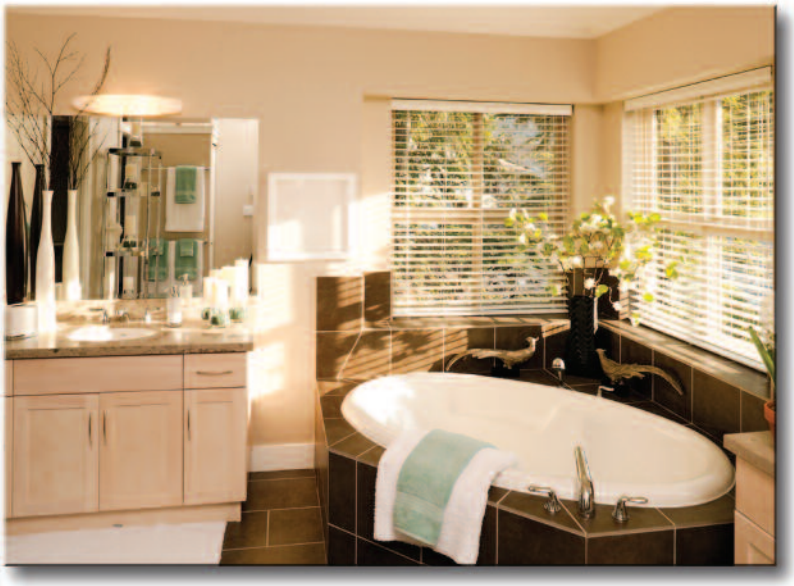
CFM™
CONTINENTAL FAN



MFT & MFT-S Mixed Flow In-Line Fans

better AIRFLOW *by* DESIGN™

MFT Mixed Flow In-Line Fans

MFT Mixed Flow In-Line Fans are designed for residential and light commercial ventilation applications. These compact, powerful and quiet fans feature a durable UV resistant plastic housing and a two speed motor. They are available in 4", 6", 8", 10", & 12" duct diameters.

Design Features

- Powerful, compact and quiet mixed flow impeller
- Available in duct diameters from 4" thru 12"
- Airflow capacity up to 1,051 cfm
- Energy efficient two speed motor
- UV and corrosion resistant, durable plastic housing
- Easy to install - mounting brackets included - simple maintenance
- Easy access to motor & impeller; no need to dismantle duct work
- Ideal for long duct runs
- May be used for supply or exhaust air
- May be mounted in any position
- Suitable for air temperatures up to 140 F
- Automatic reset thermal overload protection
- Single-phase asynchronous motor; IPX4 protection
- Optional pre-wired with 120V power cord and solid state speed control (MFT-C)*
- Permanently lubricated ball bearing motor for maintenance-free operation
- Precision balanced for quiet and vibration-free operation

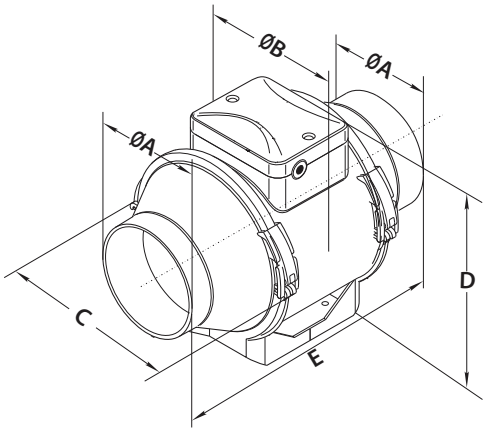
Performance Data

MODEL	SPEED	RPM	WATTS	CUBIC FEET PER MINUTE								
				0" SP	0.125" SP	0.2" SP	0.25" SP	0.5" SP	0.75" SP	1.0" SP	1.25" SP	1.5" SP
MFT100	High	3113	36.0	105	49	37	32	13	-	-	-	-
	Low	2818	29.5	62	41	30	23	2	-	-	-	-
MFT125	High	2600	41.0	126	112	99	46	-	-	-	-	-
	Low	2350	31.0	87	64	27	4	-	-	-	-	-
MFT150	High	2033	55.0	252	233	216	199	78	10	-	-	-
	Low	1386	29.0	167	129	75	61	21	-	-	-	-
MFT200	High	2116	111.0	473	450	432	420	352	254	89	-	-
	Low	1622	69.5	349	317	294	276	158	32	-	-	-
MFT250	High	2525	200.0	880	873	866	862	816	708	581	450	323
	Low	1925	130.0	655	646	630	620	480	330	230	115	10
MFT300	High	2419	353.0	1051	1020	999	986	914	838	746	632	500
	Low	1914	236.0	830	797	770	751	638	496	335	209	109

*For pre-wired with 120V power cord & solid state speed control, add -C to model.

Dimensional Data

MODEL	DUCT DIA.	ØA (in)	ØB (in)	C (in)	D (in)	E (in)	SHIP WT (lbs)
MFT100	4"	3.8	5.5	6.6	7.5	9.7	5.0
MFT125	5"	4.8	5.5	6.6	7.5	9.7	5.0
MFT150	6"	5.8	7.7	8.8	9.8	11.6	8.0
MFT200	8"	7.8	8.3	9.4	10.3	11.6	16.0
MFT250	10"	9.8	10.1	11.3	12.7	15.2	20.0
MFT300	12"	12.0	12.7	14.3	16.1	22.9	27.0



MFT-S Mixed Flow In-Line Fans

MFT-S Mixed Flow In-Line Fans are designed to be virtually silent. The specially designed housing is optimized with an aerodynamic diffuser and specially designed impeller to produce powerful pressure and airflow, while producing very little noise.

Design Features

- Virtually silent mixed flow fan aerodynamically designed for smooth airflow
- Available in 4", 5" and 6" duct diameters
- Airflow capacities up to 327 cfm
- Energy efficient two speed motor
- UV and corrosion resistant, durable plastic housing
- Easy to install - mounting brackets included - simple maintenance
- Easy access to motor & impeller; no need to dismantle duct work
- Ideal for long duct runs
- May be used for supply or exhaust air
- May be mounted in any position
- Suitable for air temperatures up to 140 F
- Automatic reset thermal overload protection
- Single-phase asynchronous motor; IPX4 protections
- Optional pre-wired with 120V power cord and solid state speed control (MFT-C)*
- Permanently lubricated ball bearing motor for maintenance-free operation
- Precision balanced for quiet and vibration-free operation

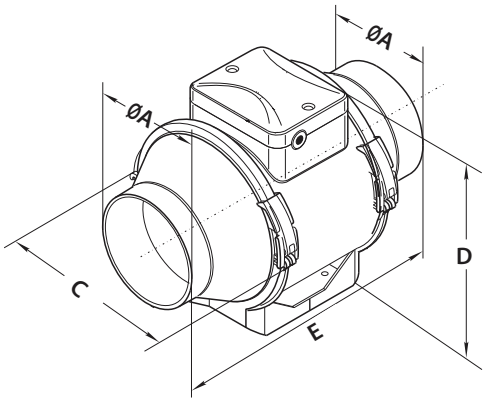
Performance Data

MODEL	SPEED	RPM	WATTS	CUBIC FEET PER MINUTE										
				0" SP	0.1" SP	0.2" SP	0.3" SP	0.4" SP	0.5" SP	0.6" SP	0.7" SP	0.8" SP	0.9" SP	1.0" SP
MFT100S	High	1994	30	146	128	110	88	64	44	21	9	-	-	-
	Low	1500	24	109	88	68	47	22	10	-	-	-	-	-
MFT125S	High	2059	37	200	183	161	137	93	62	32	0	-	-	-
	Low	1360	25	132	106	80	51	13	-	-	-	-	-	-
MFT150S	High	2617	66	327	316	299	283	268	247	225	194	138	83	50
	Low	1933	52	240	219	194	171	134	111	86	57	27	7	-

*For pre-wired with 120V power cord & solid state speed control, add -C to model.

Dimensional Data

MODEL	DUCT DIA.	ØA (in)	C (in)	D (in)	E (in)	SHIP WT (lbs)
MFT100S	4"	3.8	7.7	8.9	11.9	5.0
MFT125S	5"	4.8	7.7	8.9	10.2	5.0
MFT150S	6"	5.8	8.7	9.8	11.4	8.0



Mixed Flow In-Line Fans

Applications

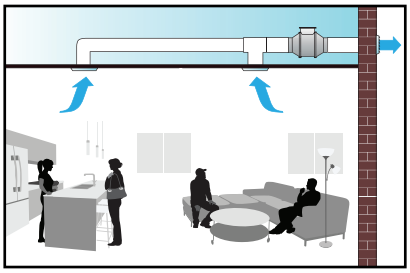
Mixed flow in-line fans may be used to solve many air moving problems. They are capable of moving airflow through long or complex duct runs, and provide an ideal solution for areas that are hard to heat or cool. Typical uses include:

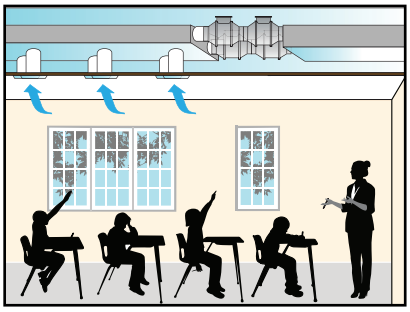
Residential

- Bathroom exhaust
- Whole house ventilation
- Duct boosting
- General kitchen exhaust
- Laundry room exhaust
- HRV / ERV boosting

Commercial

- Conference room exhaust
- Computer rooms
- Humidity and moisture removal
- Powered make-up air
- Equipment & spot cooling
- Hair and nail salons





Helpful Tips

- Mixed flow in-line fans mount easily to attic joists at any angle.
- Rigid duct has a tendency to echo and magnify fan noise. To minimize sound levels, use flexible insulated duct. (Consult local building codes before selecting duct type).
- To minimize condensation in a duct, use flexible insulated duct when venting bathrooms or other warm or moist areas.

Available Accessories

A full range of accessories is available to suit each application. Visit continentalfan.com to view all available accessories.

How do I determine how much airflow I need?

There are numerous applications where ventilation may be required. Whether they be residential or commercial, it is imperative that the proper amount of airflow be calculated.

To determine the MINIMUM airflow required for a given room, the following information is required:

- Size of room (L x W x H)
- Number of air changes required per hour
- Static Pressure of the ventilation system

HVI

HVI (Home Ventilating Institute) is an independent non-profit organization that provides ventilating guidelines for consumers and certifies fan performance characteristics. For more information, visit www.hvi.org.

How do I select a fan from a Performance Data chart?

To select a fan, one must first determine the airflow and static pressure in a ventilating system. Airflow is shown on a Performance Data chart as cubic feet per minute (cfm). Static pressure is shown on the chart as SP, expressed as inches of water (in. wg). The intersection of the required airflow and system static pressure will determine the correct model of fan to use in a particular application.

Residential

One of our qualified technical support personnel would be happy to assist with selecting a fan for your residential ventilating needs.

Commercial

For commercial applications, or those very unusual in nature, you may wish to consider enlisting the services of an HVAC contractor.

USA - Continental Fan Manufacturing Inc.
203 Eggert Road, Buffalo, NY 14215
T: 716-842-0670 • 800-779-4021 • F: 716-842-0611

Canada - Continental Fan Canada Inc.
12-205 Matheson Blvd E, Mississauga, ON L4Z 3E3
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