

TURBO TUBE EC

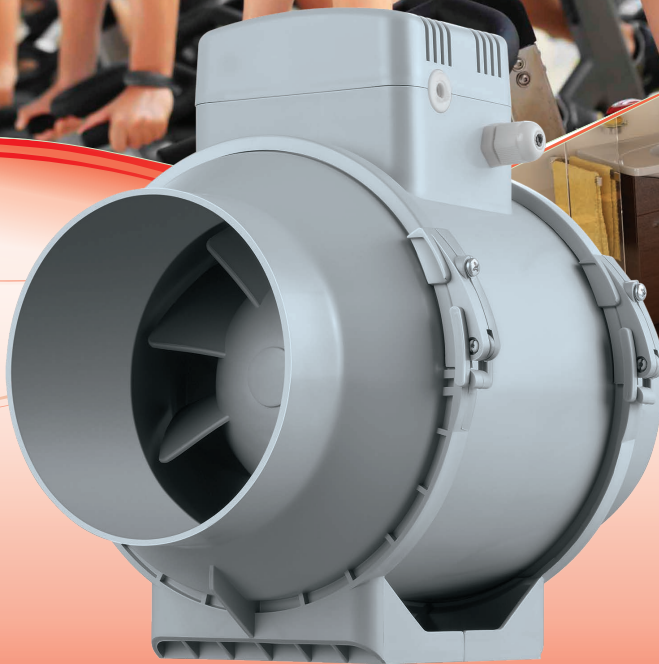
INLINE MIXED FLOW FANS



Electronically
Commutated
high efficient
motors

INLINE MIXED-FLOW FANS

ONE OF THE MOST ENERGY
EFFICIENT FAN SERIES



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Cincinnati, OH 45217



Use

- Supply and exhaust ventilation and air conditioning systems of various premises requiring cost-saving controllable ventilation.
- The best ventilation solution for exhaust ventilation of bathrooms, kitchens, pools, bars, restaurants, offices, manufacturing facilities, and more.
- Compatible with Ø 4" up to 10" round air ducts.

Motor

- High-efficient electronically commutated direct current motors combined with mixed-flow impellers. Such motors are the most state-of-the-art energy saving solution. Power consumption of EC motors is 35 % less as compared to standard motors. The fans with EC motors have excellent aerodynamic performance and low-noise operation.
- EC motors are featured with high performance and total speed controllable range.
- High efficiency reaching 90 % is the premium advantage of the electronically- commutated motors. The motors are equipped with ball bearings designed for at least 40 000 operating hours.

Design

- Durable, impact-resistant and corrosion-free ABS-plastic casing.
- Aerodynamically shaped casing.
- Airtight terminal box for connection to power mains.

Speed control

- The fan is operated with a 0-10 V signal by integrated or external controller (ordered separately). Integated controller can be performed as a small potentiometer on control board (basic model) or as a knob on terminal box (option P).
- The air capacity can be controlled depending on air temperature, pressure level, smoke content, etc.
- The speed of the EC motor changes proportionally to fluctuations of the control parameter and the fan delivers a required air volume to the ventilation system. Maximum fan speed does not depend on the current frequency.
- The fans may be integrated into a building management systems. The specially designed software provides precise control of all the fans integrated into the system.

Mounting

- The fans are designed for duct mounting in any point of the ventilation system with the casing mounted at any angle. In case of vertical mounting a protective outer hood must be installed on the top.
- Fixation to the floor, wall or ceiling is performed with the supplied mounting brackets.
- Electric connection and installation must be performed in compliance with the manual and the wiring diagram on the terminal box.

ESPECIAL IMPELLER

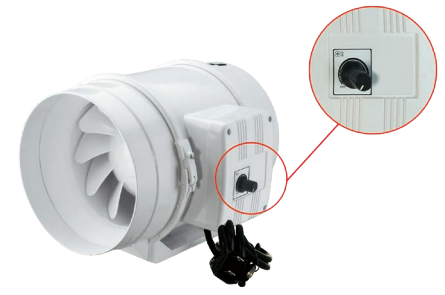


A specifically designed impeller provides smooth movement and powerful airflow.

EASY TO INSTALL & CLEAN



The removable body, including motor, impeller and junction box, is the ultimate solution for easy installation & cleaning.



Option P:
speed controller knob

EASY CONNECTION



The **removable body** with the junction box can be **rotated 180°** to **facilitate mounting and wiring**.

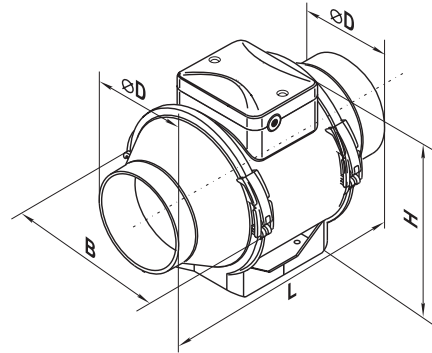
INTEGRATED MOUNTING BRACKET



The fan case is **equipped with a mounting plate** to attach the fan to the wall or ceiling.

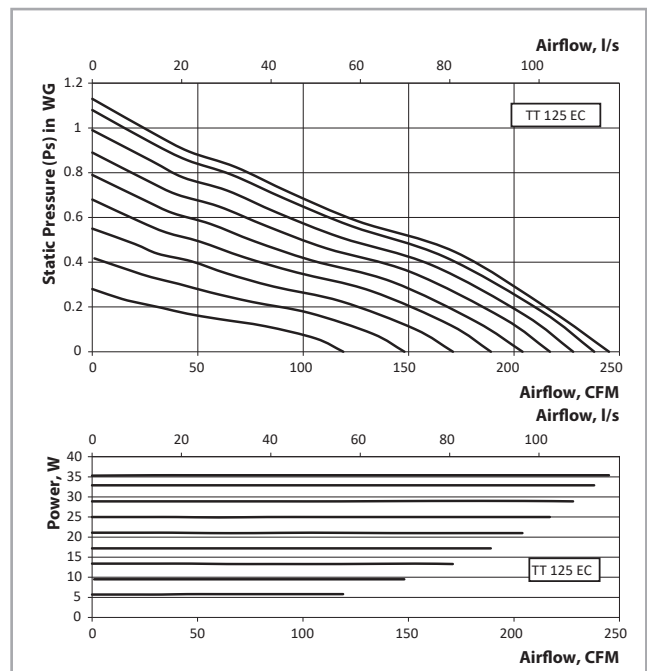
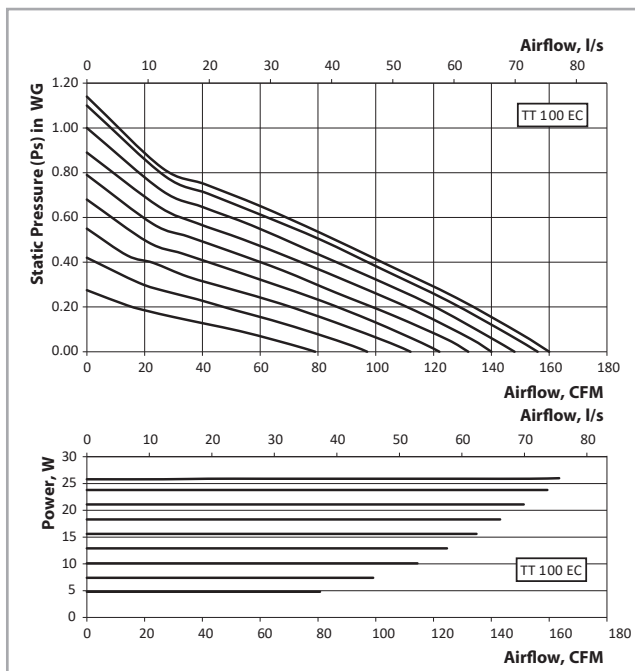
DIMENSIONS

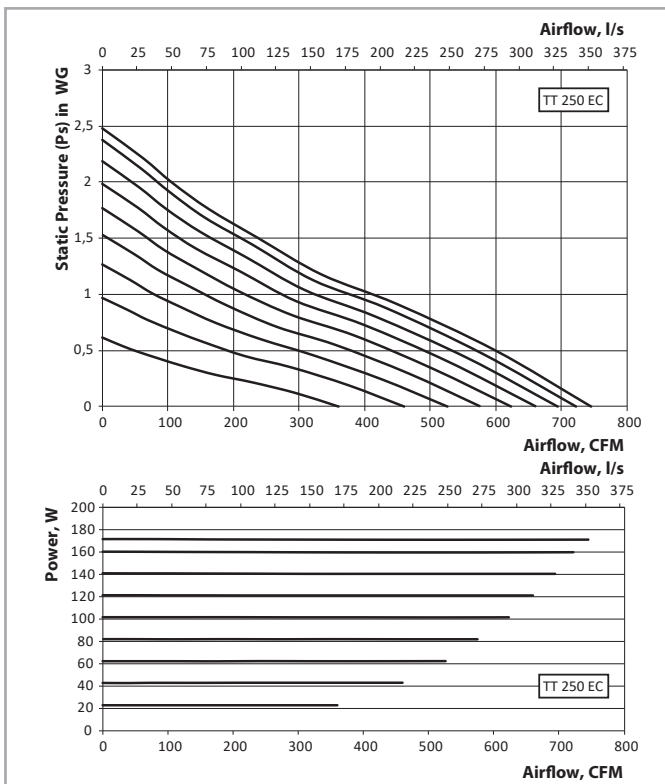
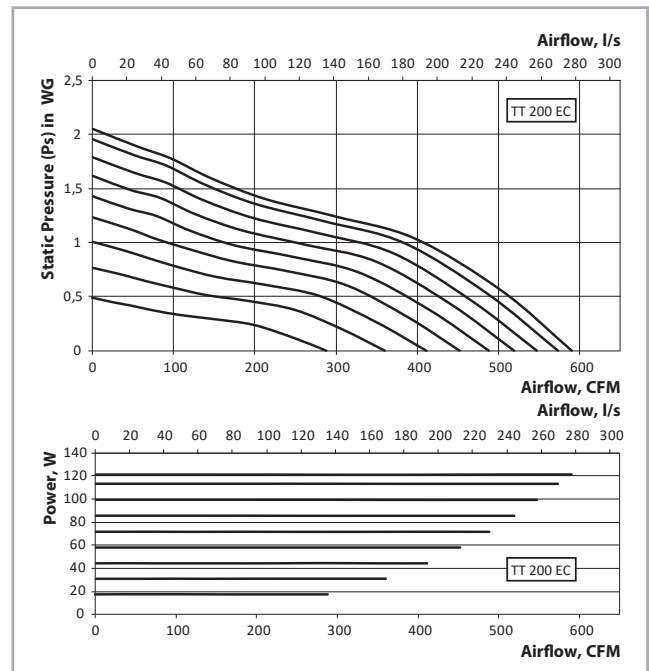
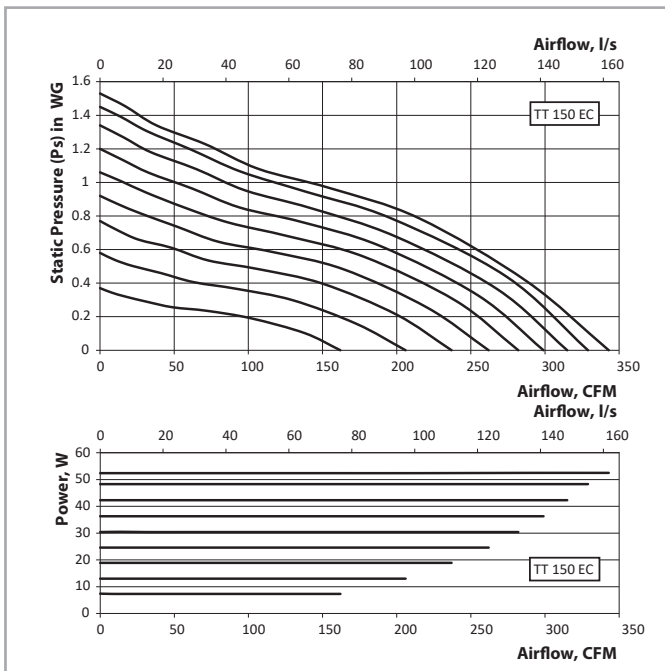
Model	Measurements [in.]				Weight [lb]
	Ø D	B	H	L	
TT 100 EC	3 ^{3/4"}	6 ^{9/16"}	7 ^{1/2"}	9 ^{11/16"}	31
TT 125 EC	4 ^{13/16"}	6 ^{9/16"}	7 ^{1/2"}	9 ^{11/16"}	31
TT 150 EC	5 ^{3/4"}	8 ^{3/4"}	9 ^{13/16"}	11 ^{5/8"}	6.6
TT 200 EC	7 ^{13/16"}	9 ^{7/16"}	10 ^{1/4"}	11 ^{5/8"}	14.1
TT 250 EC	9 ^{3/4"}	11 ^{5/16"}	12 ^{11/16"}	15 ^{1/16"}	18.3


PERFORMANCE

Model	Duct dia	Energy Star compliance	RPM*	Sones	Watts*	Amps*	CFM vs. Static Pressure (Ps) in WG 10 V signal										Max Ps, in WG	Volts
							0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1"	1.25"	1.5"		
TT 100 EC	4"	yes	2940	1.7	25.9	0.42	160	145	134	127	106	87	42	11	-	-	1.14	120
TT 125 EC	5"	yes	2928	1.8	35.4	0.54	245	227	215	207	187	158	85	25	-	-	1.13	120
TT 150 EC	6"	yes	2800	2.6	52.4	0.54	343	328	318	311	293	272	222	143	66	8	1.53	120
TT 200 EC	8"	yes	2750	3.2	121.3	1.76	590	573	560	550	533	512	468	405	303	180	2.05	120
TT 250 EC	10"	yes	2568	3.2	170.6	2.26	745	705	680	663	625	590	505	415	308	240	2.50	120

* The parameters RPM, Watts are indicated at 0.2 in WG static pressure.





SPECIFICATIONS

Voltage: 120 V, 60 Hz

Motor: Single-phase EC motors with mixed-flow impellers

Duct compatibility: 4", 5", 6", 8", 10"

Airflow capacity: up to 745 CFM

Sones: up to 3.2

Power consumption: 25.9-170.6 W

Suitable for working airstreams up to 105 °F

IPX4 protection

Thermal overload protection

Mounting plate and power cord included