

# Turbo

## Inline mixed-flow fans

### Use

- Supply and extract ventilation systems installed in various premises.
- Mounting in kitchens, bathrooms and other humid premises.
- Ventilation air ducts requiring high pressure, powerful air flow and low noise level.
- Compatible with Ø 4", 5", 6" round air ducts.
- Compatible with high pressure system.
- Compact size for limited spaces.



**Air flow:**  
up to 317 CFM



**Power:**  
from 22 W



**Noise level:**  
from 0.6 Sones



### Design

- Lightweight, durable and uv resistant plastic case (flame rating – 5va).
- Corrosion free.
- Turbo fans provide ultra quiet operation and excellent airflow even in high pressure systems. The specifically designed and optimized case and the new aerodynamic mixed flow impeller ensure the highest performance.
- The diffuser, impeller and guide vanes provide a smooth laminar (non-turbulent) airflow that minimizes noise and generates excellent airflow in high pressure systems.
- The hemispheric shaped impeller with specially profiled blades are designed to ensure super silent operation.
- The Removable Body, including motor, impeller and junction box, is the Ultimate Solution for Easy Installation & cleaning.
- The removable body with the junction box can be rotated 180° to facilitate mounting and wiring.

### Motor

- Double-speed capacitor motor with thermal overload protection.
- Equipped with thermal overload protection.
- Vibration free operation.

### Speed control

- The built-in switch or external switch for multi-speed fans (available upon separate order) are used to select one of two capacity modes.
- Smooth speed control is possible with a built-in speed controller (option **FR**) or an external thyristor speed controller.

### Mounting

- Due to compact design the fan is the ideal solution for mounting in limited spaces, including space behind a false ceiling.
- The fan can be installed in any section of the ventilation system from intake to the end of the ductworks.
- Wall or ceiling mounting with a mounting plate.
- The fan case is equipped with a mounting plate to attach the fan to the wall or ceiling.



### Accessories

Silencers

Filter boxes

Backdraft  
air dampers

Air dampers

Clamps



SD



KFBK



KFBT



VRV



VK / VKA



K

**Modifications and options**

- **FR1:** built-in smooth speed controller from 0 to 100 %. The fan is supplied with a standard electric plug.
- **G1:** smooth speed controller with an electronic thermostat and an external temperature sensor that is fixed on 13 ft power cable with a standard electric plug.
- **G11:** smooth speed controller with an electronic thermostat and a temperature sensor integrated into the air duct. The fan is supplied with a standard electric plug.
- **GT11:** speed controller, temperature controller with integrated temperature sensor, 5 min timer switch and power cable with mains plug.
- **GT1:** speed controller, temperature controller with external temperature sensor (cable length 13 ft), 5 min timer switch and power cable with mains plug.
- **GS1:** speed and temperature regulators with an external temperature sensor attached to a 13 ft cable, shutting on when the set temperature is reached. Power cord with a mains plug.

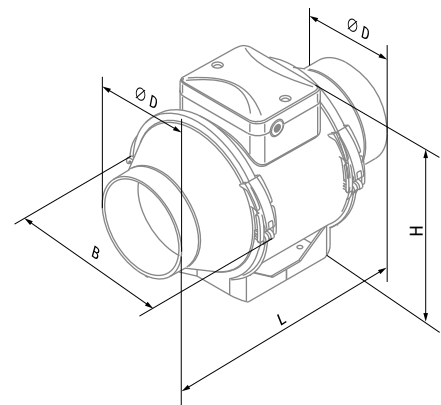


**Designation key**

Series	Duct diameter [mm]	Options
<b>Turbo</b>	<b>100; 125; 150</b>	<p><b>FR1:</b> built-in smooth speed controller adjustable from 0 to 100 %. The fan is supplied with a pre-wired cable with a standard electric plug.</p> <p><b>G1:</b> smooth speed controller with an electronic thermostat and an external temperature sensor that is fixed on 13 ft cable. The fan is supplied with a pre-wired power cable with a standard plug.</p> <p><b>GT1:</b> speed controller, temperature controller with external temperature sensor, 5 min timer switch and power cable with mains plug.</p> <p><b>GT11:</b> speed controller, temperature controller with integrated temperature sensor, 5 min timer switch and power cable with mains plug.</p> <p><b>GS1:</b> speed controller with an electronic thermostat and a temperature sensor fixed on a 13 ft cable. Temperature-based switching on.</p>

**Dimensions [in]**

Model	Duct dia	Ø D	B	H	L	Weight [lb]
<b>Turbo 100</b>	4"	3 13/16"	7 11/16"	8 15/16"	11 15/16"	3.39
<b>Turbo 125</b>	5"	4 13/16"	7 11/16"	8 15/16"	10 3/16"	3.33
<b>Turbo 150</b>	6"	5 13/16"	8 11/16"	9 3/4"	11 3/8"	4.58



**Technical data**

Model	Duct dia	Energy Star compliance	Speed	RPM*	Sones	Watts*	Amps*	CFM*	CFM vs. Static Pressure (Ps) in WG											Max Ps, in WG	Volts
									0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1		
<b>Turbo 100</b>	4"	no	high	2363	1.5	28	0.23	100**	134	119	100**	78	58**	36	18	9	-	-	-	0.78	120
			low	2065	0.9	22	0.2	60**	97	79	60**	39	20**	8	-	-	-	-	-	0.61	120
<b>Turbo 125</b>	5"	no	high	2303	1.3	36	0.29	160**	199	181	160**	137	94**	62	33	0	-	-	-	0.7	120
			low	1990	0.6	23	0.2	70**	117	95	70**	44	11**	-	-	-	-	-	-	0.48	120
<b>Turbo 150</b>	6"	no	high	2570	2.5	67	0.56	290**	317	305	290**	274	257**	237	218	189	130	81	48	1.22	120
			low	1847	1.1	53	0.46	190**	237	217	190**	169	132**	108	81	51	26	0	-	0.93	120

\* The parameters RPM, Watts, Amps are indicated at 0.2 in WG static pressure.  
 \*\*HVI rated.