

Turbo Max

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 372 CFM



Power:
from 39 W



Noise level:
from 0.6 Sones



Design

- Lightweight, durable and uv resistant plastic case (flame rating – 5va).
- Corrosion free.
- Turbo Max** 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

- o **FR1:** built-in smooth speed controller from 0 to 100 %. The fan is supplied with a standard electric plug.
- o **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.



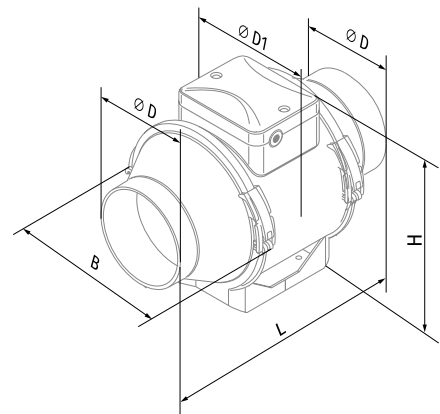
- o **G1I:** smooth speed controller with an electronic thermostat and a temperature sensor integrated into the air duct. The fan is supplied with a standard electric plug.
- o **GT1I:** speed controller, temperature controller with integrated temperature sensor, 5 min timer switch and power cable with mains plug.
- o **GT1:** speed controller, temperature controller with external temperature sensor (cable length 13 ft), 5 min timer switch and power cable with mains plug.
- o **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
Turbo Max	100; 125; 150	<p>FR1: 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>G1: 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>GT1: speed controller, temperature controller with external temperature sensor, 5 min timer switch and power cable with mains plug.</p> <p>GT1I: speed controller, temperature controller with integrated temperature sensor, 5 min timer switch and power cable with mains plug.</p> <p>GS1: 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	Ø D1	B	H	L	Weight [lb]
Turbo Max 100	4"	3 7/8"	5 1/2"	7 5/8"	8 7/8"	12"	4.0
Turbo Max 125	5"	4 7/8"	6 3/8"	7 1/2"	8 7/8"	10 1/8"	4.0
Turbo Max 150	6"	5 7/8"	7 3/4"	8 1/2"	9 7/8"	11 3/8"	6.0



Technical data

Model	Duct dia	Speed	RPM*	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		
Turbo Max 100	4"	high	2927	48	0.4	180**	206	194	180**	161	133**	102	78**	55	43	26	0	1	120
		low	2414	39	0.32	120**	143	129	120**	107	90**	68	51**	35	16	0	-	0.9	120
Turbo Max 125	5"	high	3003	62	0.53	250**	285	268	250**	230	209**	153	99**	62	31	0	0	0.87	120
		low	2570	48	0.42	190**	218	205	190**	174	144**	107	72**	42	11	0	0	0.82	120
Turbo Max 150	6"	high	2981	81	0.69	350**	372	361	350**	337	322**	307	293**	275	261	226	108	1.37	120
		low	2432	76	0.64	270**	304	288	270**	251	233**	213	192**	158	109	72	48	1.22	120

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