Turbo-E

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 ∅ 4" up to 12" round air ducts.

Air flow: up to 1069 CFM

Power: from 24 W

Noise level: from 1.1 Sones

2100 HVI CERTIFIED

Intertek

Design

- Casing made of low-flammable polypropylene.
- Ventilation unit with terminal box. Can be turned to any position.
- Special design of the casing permits easy dismantling of the impeller and motor block for fan servicing without dismantling the air duct.

Motor

- Double-speed single-phase motor on ball bearings.
- Equipped with thermal overload protection.

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.
- **TD**: mounting kit for installation of one diameter fans in parallel (for boosting capacity)

- **TL**: mounting kit for installation of one diameter fans in series (for boosting pressure).

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.

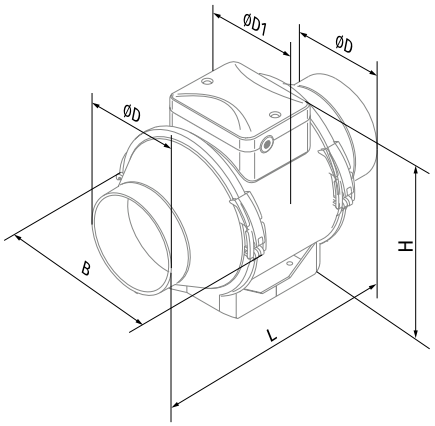
- **GI1:** smooth speed controller with an electronic thermostat and a temperature sensor integrated into the air duct. The fan is supplied with a standard electric plug.
- **GTI1:** speed controller, temperature controller with integrated temperature sensor, 5 min timer switch and power cable with mains 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
Turbo-E	**100; 125; 150; 200; 250; 315**	**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. **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. **GT1:** speed controller, temperature controller with external temperature sensor, 5 min timer switch and power cable with mains plug. **GTI1:** speed controller, temperature controller with integrated temperature sensor, 5 min timer switch and power cable with mains plug. **GS1:** speed controller with an electronic thermostat and a temperature sensor fixed on a 13 ft cable. Temperature-based switching on.

Dimensions [in]

Model	Duct dia	∅ D	∅ D1	B	H	L	Weight [lb]
Turbo-E 100	4"	3 3/4"	5 1/2"	6 9/16"	7 1/2"	9 11/16"	3.1
Turbo-E 125	5"	4 13/16"	5 1/2"	6 9/16"	7 1/2"	9 11/16"	3.1
Turbo-E 150	6"	5 3/4"	7 11/16"	8 3/4"	9 13/16"	11 5/8"	6.6
Turbo-E 200	8"	7 13/16"	8 1/4"	9 7/16"	10 1/4"	11 5/8"	14.1
Turbo-E 250	10"	9 3/4"	10 1/8"	11 5/16"	12 11/16"	15 1/16"	18.3
Turbo-E 315	12 3/8"	12 3/8"	12 11/16"	14 1/4"	16 1/16"	22 15/16"	25.1



Technical data

Model	Duct dia	Speed	Sones	RPM*	Watts*	Amps*	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-E 100	4"	high	2.5	2584	38	0.45	134	120	100**	55	33	20	4	–	–	–	–	0.63	120
		low	1.1	2527	25	0.29	86	68	50**	28	8	0	–	–	–	–	–	0.52	120
Turbo-E 125	5"	high	2.5	2472	36	0.46	157	140	120**	83	15	–	–	–	–	–	–	0.46	120
		low	1.4	2191	24	0.3	121	91	60**	1	–	–	–	–	–	–	–	0.32	120
Turbo-E 150	6"	high	3.5	2072	55	0.46	244	230	210**	174	89**	72	59**	45	34	19	4	1	120
		low	1.5	1896	28	0.23	161	135	70**	48	34**	19	0	–	–	–	–	0.6	120
Turbo-E 200	8"	high	4.5	2049	104	0.87	440	418	400**	352	347**	319	280**	223	172	115	34	1.1	120
		low	2	1552	65	0.54	319	288	260**	231	179**	141	67**	24	–	–	–	0.8	120
Turbo-E 250	10"	high	4.5	2525	200	1.68	880	870	866	859	850	842	832	821	795	751	708	2.27	120
		low	2.5	1925	130	1.11	655	641	630	610	588	565	531	497	457	397	330	1.54	120
Turbo-E 315	12 3/8"	high	4.5	2375	343	2.95	1069	1048	1020**	996	955**	915	889**	863	818	768	713	2.6	120
		low	2.5	1856	224	1.89	858	800	780**	745	688**	626	567**	482	397	347	298	1.7	120

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