TURBO EC 100

Inline mixed-flow fans

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 ∅ 4" round air ducts.

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 an 0-10 V control signal (ordered separately).
- 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.

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.

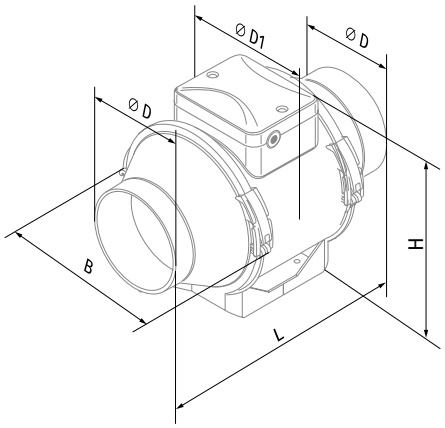
Mounting

- 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.

MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by:

Dimensions [in]

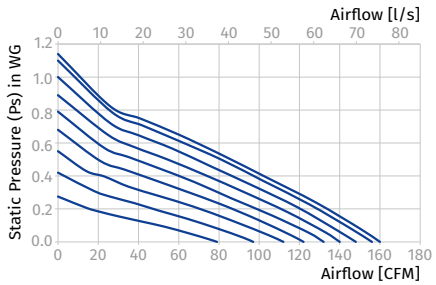
Model	Duct dia	∅ D	B	H	L	Weight [lb]
Turbo EC 100	4"	3 3/4"	6 9/16"	7 1/2"	9 11/16"	3.1

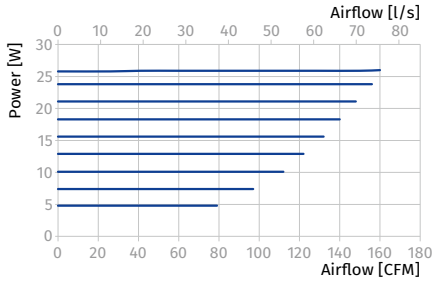


Technical data

Model	Duct dia	Energy Star compliance	RPM*	Sones	Watts*	Amps*	CFM*	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"		
Turbo EC 100	4"	yes	2940	1.7	25.9	0.42	134	160	145	134	127	106	87	42	11	–	–	1.14	120

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





TURBO EC 125

Inline mixed-flow fans

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 ∅ 5" round air ducts.

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 an 0-10 V control signal (ordered separately).
- 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.

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.

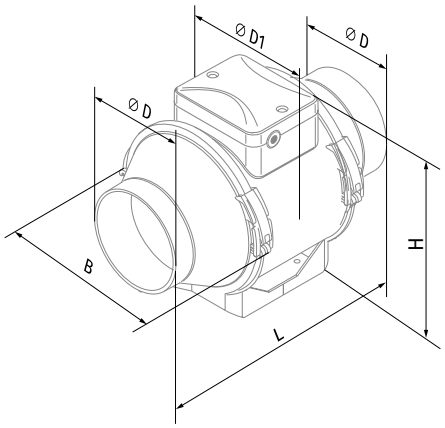
Mounting

- 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.

MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by:

Dimensions [in]

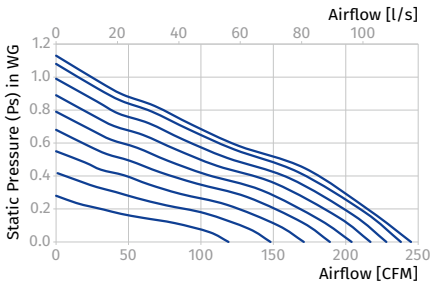
Model	Duct dia	∅ D	B	H	L	Weight [lb]
Turbo EC 125	5"	4 13/16"	6 9/16"	7 1/2"	9 11/16"	3.1

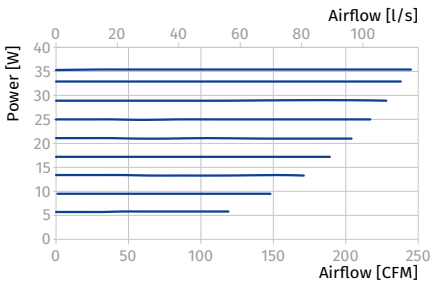


Technical data

Model	Duct dia	Energy Star compliance	RPM*	Sones	Watts*	Amps*	CFM*	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"		
Turbo EC 125	5"	yes	2928	1.8	35.4	0.54	215	245	227	215	207	187	158	85	25	–	–	1.13	120

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





TURBO EC 150

Inline mixed-flow fans

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 ∅ 6" round air ducts.

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 an 0-10 V control signal (ordered separately).
- 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.

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.

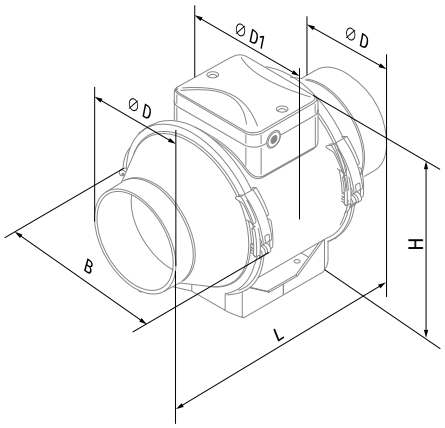
Mounting

- 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.

MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by:

Dimensions [in]

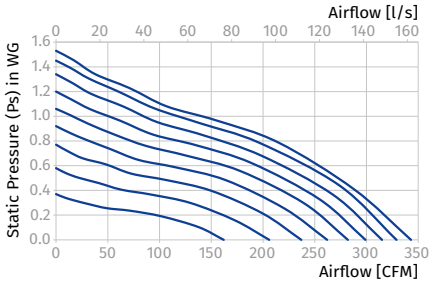
Model	Duct dia	∅ D	B	H	L	Weight [lb]
Turbo EC 150	6"	5 3/4"	8 3/4"	9 13/16"	11 5/8"	6.6

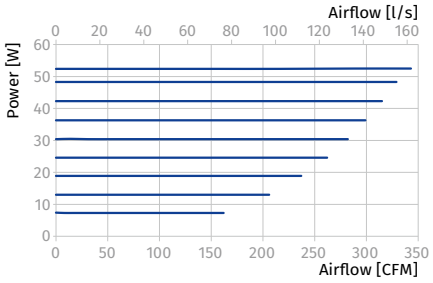


Technical data

Model	Duct dia	Energy Star compliance	RPM*	Sones	Watts*	Amps*	CFM*	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"		
Turbo EC 150	6"	yes	2800	2.6	52.4	0.54	318	343	328	318	311	293	272	222	143	66	8	1.53	120

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





TURBO EC 200

Inline mixed-flow fans

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 ∅ 8" round air ducts.

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 an 0-10 V control signal (ordered separately).
- 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.

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.

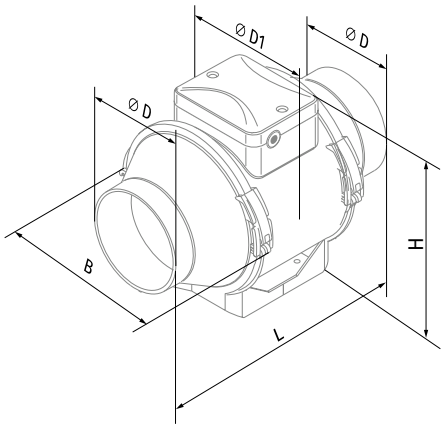
Mounting

- 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.

MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by:

Dimensions [in]

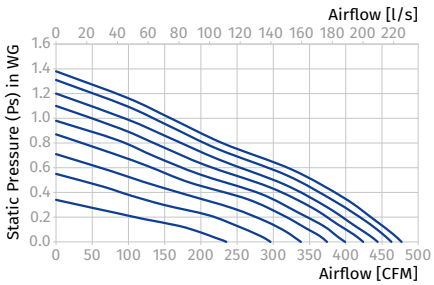
Model	Duct dia	Ø D	B	H	L	Weight [lb]
Turbo EC 200	8"	7 13/16"	9 7/16"	10 1/4"	11 5/8"	14.1

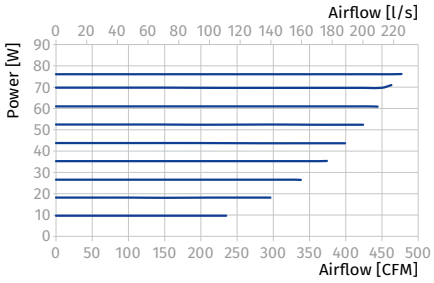


Technical data

Model	Duct dia	Energy Star compliance	RPM*	Sones	Watts*	Amps*	CFM*	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"		
Turbo EC 200	8"	yes	2750	3.2	121.3	1.76	560	590	573	560	550	533	512	468	405	303	180	2.05	120

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





TURBO EC 250

Inline mixed-flow fans

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 ∅ 10" round air ducts.

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 an 0-10 V control signal (ordered separately).
- 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.

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.

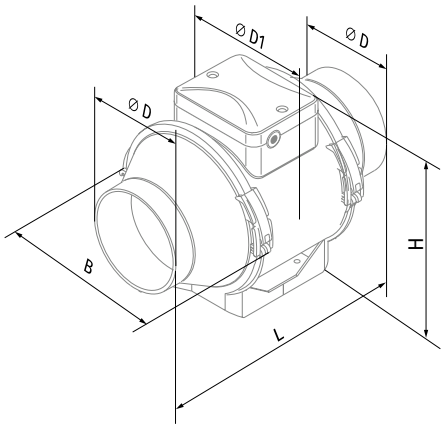
Mounting

- 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.

MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by:

Dimensions [in]

Model	Duct dia	∅ D	B	H	L	Weight [lb]
Turbo EC 250	10"	9 3/4"	11 5/16"	12 11/16"	15 1/16"	18.3



Technical data

Model	Duct dia	Energy Star compliance	RPM*	Sones	Watts*	Amps*	CFM*	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"		
Turbo EC 250	10"	yes	2568	3.2	170.6	2.26	680	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.