CENTRO EC 100

Inline centrifugal fans

Description

- Centro EC inline fans assure efficient and reliable operation.
- The Centro fans are specially designed for simple installation and years of maintenance free operation.
- The Centro EC fans are supplied with an easy to fit mounting bracket and can be mounted at any angle and at any point along the duct.
- Five year warranty.

Casing

- The fans' casing is made of high quality, UV-resistant plastic (UL94 certified plastic).

Speed control

- The fan is operated with an 0-10 V control signal (ordered separately).
- The air capacity is 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 unified data processing control system. The specially designed software provides precise control of all the fans integrated into the system.

Motor

- High-efficient direct current EC motor with external rotor and backward curved blades.
- EC technologies meet the latest requirements to arrange high-efficient energy saving ventilation.
- EC motors have energy demand by 35 % less as compared to standard motors and have efficiency up to 90 %.
- EC motors are featured with high performance, low noise level and well controllable total speed range.
- Overheating protection by built-in thermal switches with automatic restart.
- Dynamically balanced turbine.

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.

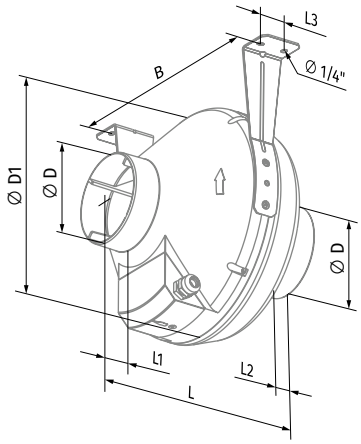
Application

- The fans are suitable for a wide range of residential and commercial exhaust or supply air applications, such as bathrooms, kitchens, restaurants or equipment cooling.

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

Dimensions [in]

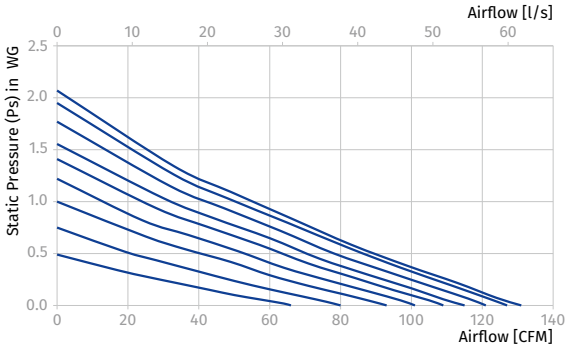
Model	Duct dia	∅ D	∅ D1	B	L	L1	L2	L3	Weight [lb]
Centro EC 100	4"	3 15/16"	9 13/16"	10 5/8"	9 1/16"	1 3/16"	1 1/16"	1 3/16"	4.7

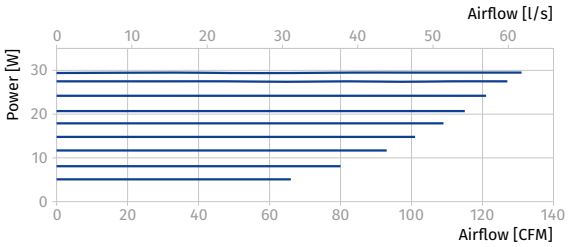


Technical data

Model	Duct dia	Energy Star compliance	RPM*	Sones @ 1 ft	Watts*	Amps*	10 V curve CFM vs. Static Pressure (Ps) in WG											Max Ps, in WG	Volts
							0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1"	1.25"	1.5"	2.5"		
Centro EC 100	4"	yes	2436	3	29.5	0.53	131	120	115	111	100	90	71	56	38	25	–	2.07	120

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





CENTRO EC 125

Inline centrifugal fans

Description

- Centro EC inline fans assure efficient and reliable operation.
- The Centro fans are specially designed for simple installation and years of maintenance free operation.
- The Centro EC fans are supplied with an easy to fit mounting bracket and can be mounted at any angle and at any point along the duct.
- Five year warranty.

Casing

- The fans' casing is made of high quality, UV-resistant plastic (UL94 certified plastic).

Speed control

- The fan is operated with an 0-10 V control signal (ordered separately).
- The air capacity is 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 unified data processing control system. The specially designed software provides precise control of all the fans integrated into the system.

Motor

- High-efficient direct current EC motor with external rotor and backward curved blades.
- EC technologies meet the latest requirements to arrange high-efficient energy saving ventilation.
- EC motors have energy demand by 35 % less as compared to standard motors and have efficiency up to 90 %.
- EC motors are featured with high performance, low noise level and well controllable total speed range.
- Overheating protection by built-in thermal switches with automatic restart.
- Dynamically balanced turbine.

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.

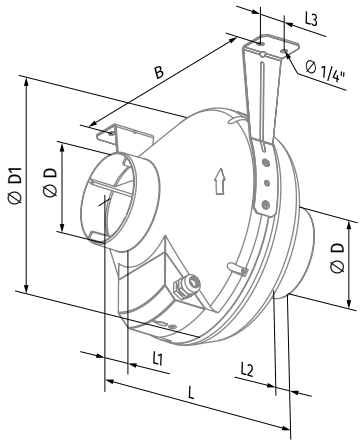
Application

- The fans are suitable for a wide range of residential and commercial exhaust or supply air applications, such as bathrooms, kitchens, restaurants or equipment cooling.

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

Dimensions [in]

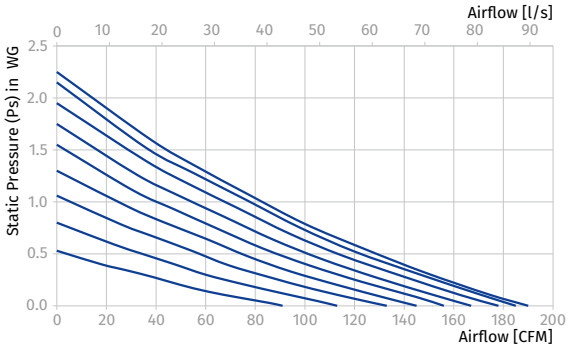
Model	Duct dia	∅ D	∅ D1	B	L	L1	L2	L3	Weight [lb]
Centro EC 125	5"	4 15/16"	9 13/16"	10 5/8"	8 11/16"	1 3/16"	1 1/16"	1 3/16"	4.9

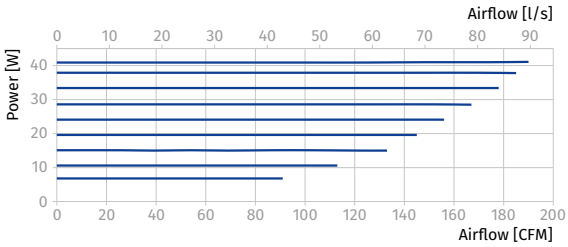


Technical data

Model	Duct dia	Energy Star compliance	RPM*	Sones @ 1 ft	Watts*	Amps*	10 V curve CFM vs. Static Pressure (Ps) in WG											Max Ps, in WG	Volts
							0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1"	1.25"	1.5"	2.5"		
Centro EC 125	5"	yes	2675	3.4	41	0.63	190	173	163	158	142	130	105	82	63	45	–	2.2	120

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





CENTRO EC 150

Inline centrifugal fans

Description

- Centro EC inline fans assure efficient and reliable operation.
- The Centro fans are specially designed for simple installation and years of maintenance free operation.
- The Centro EC fans are supplied with an easy to fit mounting bracket and can be mounted at any angle and at any point along the duct.
- Five year warranty.

Casing

- The fans' casing is made of high quality, UV-resistant plastic (UL94 certified plastic).

Speed control

- The fan is operated with an 0-10 V control signal (ordered separately).
- The air capacity is 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 unified data processing control system. The specially designed software provides precise control of all the fans integrated into the system.

Motor

- High-efficient direct current EC motor with external rotor and backward curved blades.
- EC technologies meet the latest requirements to arrange high-efficient energy saving ventilation.
- EC motors have energy demand by 35 % less as compared to standard motors and have efficiency up to 90 %.
- EC motors are featured with high performance, low noise level and well controllable total speed range.
- Overheating protection by built-in thermal switches with automatic restart.
- Dynamically balanced turbine.

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.

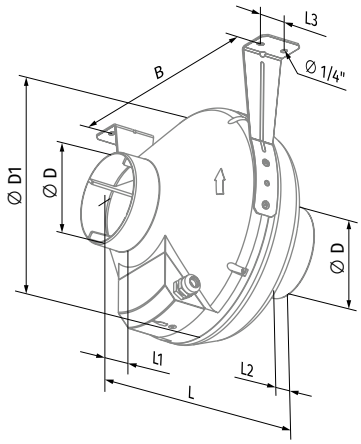
Application

- The fans are suitable for a wide range of residential and commercial exhaust or supply air applications, such as bathrooms, kitchens, restaurants or equipment cooling.

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

Dimensions [in]

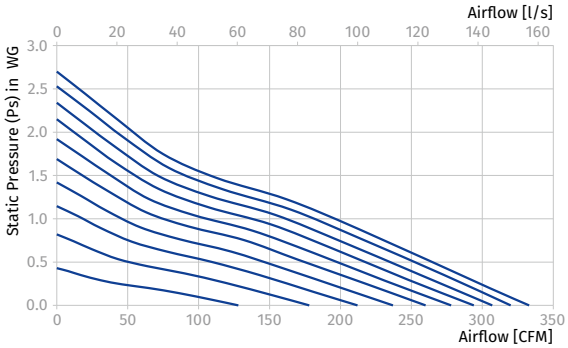
Model	Duct dia	∅ D	∅ D1	B	L	L1	L2	L3	Weight [lb]
Centro EC 150	6"	5 7/8"	11 13/16"	12 3/16"	11 1/4"	1 3/16"	1 3/16"	1 3/16"	5.7

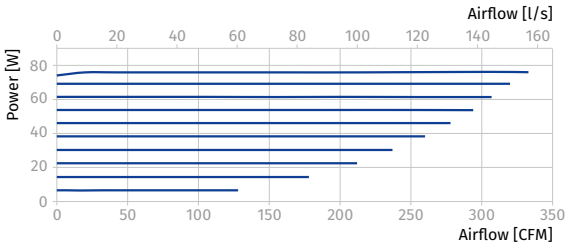


Technical data

Model	Duct dia	Energy Star compliance	RPM*	Sones @ 1 ft	Watts*	Amps*	10 V curve CFM vs. Static Pressure (Ps) in WG											Max Ps, in WG	Volts
							0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1"	1.25"	1.5"	2.5"		
Centro EC 150	6"	yes	3252	3.8	76	1.08	333	317	305	300	280	263	229	198	159	108	17	2.7	120

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





CENTRO EC 200

Inline centrifugal fans

Description

- Centro EC inline fans assure efficient and reliable operation.
- The Centro fans are specially designed for simple installation and years of maintenance free operation.
- The Centro EC fans are supplied with an easy to fit mounting bracket and can be mounted at any angle and at any point along the duct.
- Five year warranty.

Casing

- The fans' casing is made of high quality, UV-resistant plastic (UL94 certified plastic).

Speed control

- The fan is operated with an 0-10 V control signal (ordered separately).
- The air capacity is 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 unified data processing control system. The specially designed software provides precise control of all the fans integrated into the system.

Motor

- High-efficient direct current EC motor with external rotor and backward curved blades.
- EC technologies meet the latest requirements to arrange high-efficient energy saving ventilation.
- EC motors have energy demand by 35 % less as compared to standard motors and have efficiency up to 90 %.
- EC motors are featured with high performance, low noise level and well controllable total speed range.
- Overheating protection by built-in thermal switches with automatic restart.
- Dynamically balanced turbine.

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.

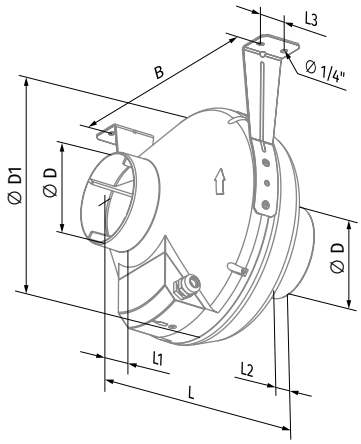
Application

- The fans are suitable for a wide range of residential and commercial exhaust or supply air applications, such as bathrooms, kitchens, restaurants or equipment cooling.

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

Dimensions [in]

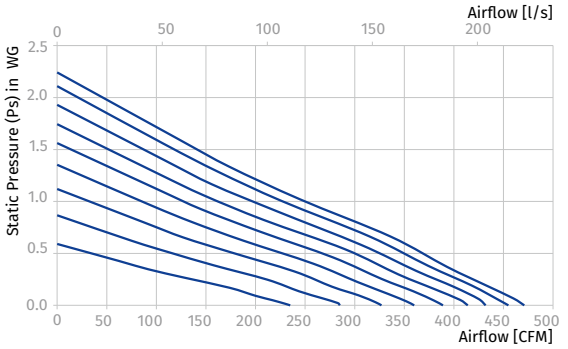
Model	Duct dia	∅ D	∅ D1	B	L	L1	L2	L3	Weight [lb]
Centro EC 200	8"	7 7/8"	13 3/8"	13 15/16"	10 7/8"	1 3/16"	1 3/16"	1 9/16"	8.8

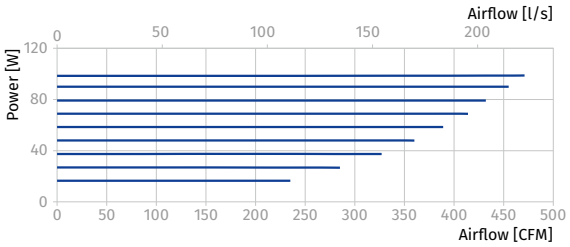


Technical data

Model	Duct dia	Energy Star compliance	RPM*	Sones @ 1 ft	Watts*	Amps*	10 V curve CFM vs. Static Pressure (Ps) in WG											Max Ps, in WG	Volts
							0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1"	1.25"	1.5"	2.5"		
Centro EC 200	8"	yes	3000	3.9	99	1.45	471	447	423	418	392	366	312	248	191	142	–	2.24	120

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





CENTRO EC 250

Inline centrifugal fans

Description

- Centro EC inline fans assure efficient and reliable operation.
- The Centro fans are specially designed for simple installation and years of maintenance free operation.
- The Centro EC fans are supplied with an easy to fit mounting bracket and can be mounted at any angle and at any point along the duct.
- Five year warranty.

Casing

- The fans' casing is made of high quality, UV-resistant plastic (UL94 certified plastic).

Speed control

- The fan is operated with an 0-10 V control signal (ordered separately).
- The air capacity is 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 unified data processing control system. The specially designed software provides precise control of all the fans integrated into the system.

Motor

- High-efficient direct current EC motor with external rotor and backward curved blades.
- EC technologies meet the latest requirements to arrange high-efficient energy saving ventilation.
- EC motors have energy demand by 35 % less as compared to standard motors and have efficiency up to 90 %.
- EC motors are featured with high performance, low noise level and well controllable total speed range.
- Overheating protection by built-in thermal switches with automatic restart.
- Dynamically balanced turbine.

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.

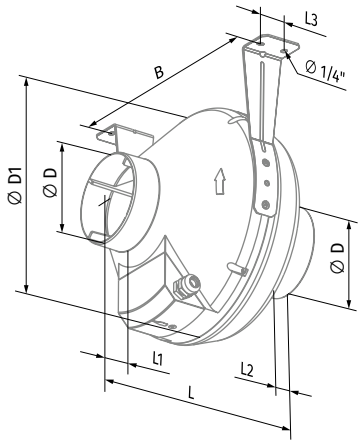
Application

- The fans are suitable for a wide range of residential and commercial exhaust or supply air applications, such as bathrooms, kitchens, restaurants or equipment cooling.

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

Dimensions [in]

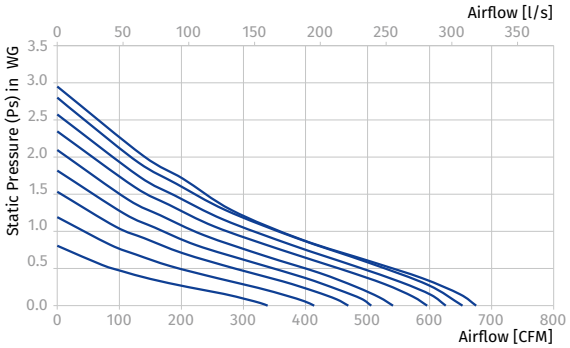
Model	Duct dia	∅ D	∅ D1	B	L	L1	L2	L3	Weight [lb]
Centro EC 250	10"	9 13/16"	13 3/8"	13 15/16"	10 7/16"	1 3/16"	1 3/16"	1 9/16"	9.9

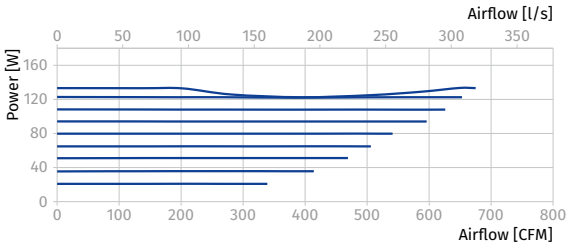


Technical data

Model	Duct dia	Energy Star compliance	RPM*	Sones @ 1 ft	Watts*	Amps*	10 V curve CFM vs. Static Pressure (Ps) in WG											Max Ps, in WG	Volts
							0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1"	1.25"	1.5"	2.5"		
Centro EC 250	10"	yes	2380	4.0	131	1.87	675	652	630	624	584	538	440	359	322	240	68	2.8	120

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





CENTRO EC 315

Inline centrifugal fans

Description

- Centro EC inline fans assure efficient and reliable operation.
- The Centro fans are specially designed for simple installation and years of maintenance free operation.
- The Centro EC fans are supplied with an easy to fit mounting bracket and can be mounted at any angle and at any point along the duct.
- Five year warranty.

Casing

- The fans' casing is made of high quality, UV-resistant plastic (UL94 certified plastic).

Speed control

- The fan is operated with an 0-10 V control signal (ordered separately).
- The air capacity is 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 unified data processing control system. The specially designed software provides precise control of all the fans integrated into the system.

Motor

- High-efficient direct current EC motor with external rotor and backward curved blades.
- EC technologies meet the latest requirements to arrange high-efficient energy saving ventilation.
- EC motors have energy demand by 35 % less as compared to standard motors and have efficiency up to 90 %.
- EC motors are featured with high performance, low noise level and well controllable total speed range.
- Overheating protection by built-in thermal switches with automatic restart.
- Dynamically balanced turbine.

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.

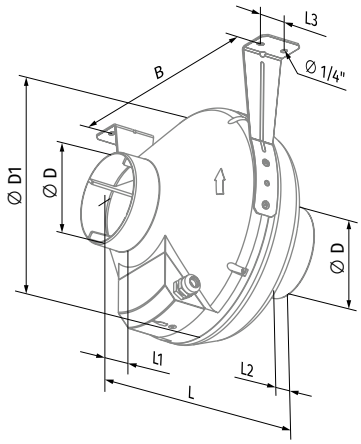
Application

- The fans are suitable for a wide range of residential and commercial exhaust or supply air applications, such as bathrooms, kitchens, restaurants or equipment cooling.

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

Dimensions [in]

Model	Duct dia	∅ D	∅ D1	B	L	L1	L2	L3	Weight [lb]
Centro EC 315	12"	12 3/8"	15 3/4"	16 5/16"	16 5/16"	1 9/16"	2 3/16"	1 9/16"	11.2



Technical data

Model	Duct dia	Energy Star compliance	RPM*	Sones @ 1 ft	Watts*	Amps*	10 V curve CFM vs. Static Pressure (Ps) in WG											Max Ps, in WG	Volts
							0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1"	1.25"	1.5"	2.5"		
Centro EC 315	12"	yes	2680	4.2	170	2.37	817	794	774	768	731	693	611	516	464	303	69	3	120

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