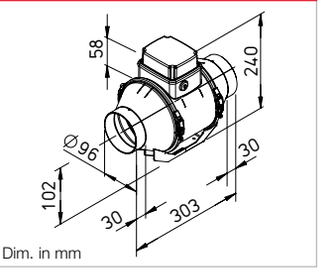
MV EC 100



MV EC 125

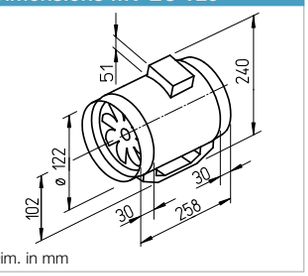


Dimensions MV EC 100



Dim. in mm

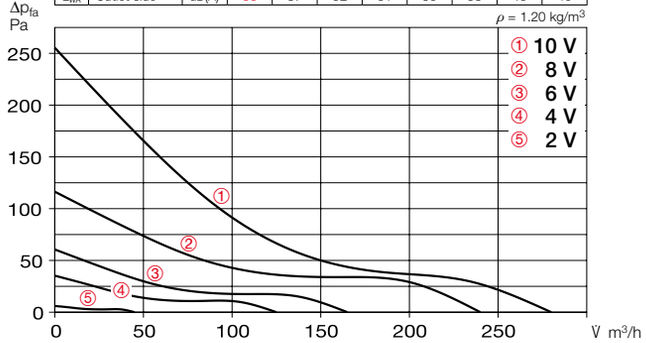
Dimensions MV EC 125



Dim. in mm

Performance curves MV EC 100

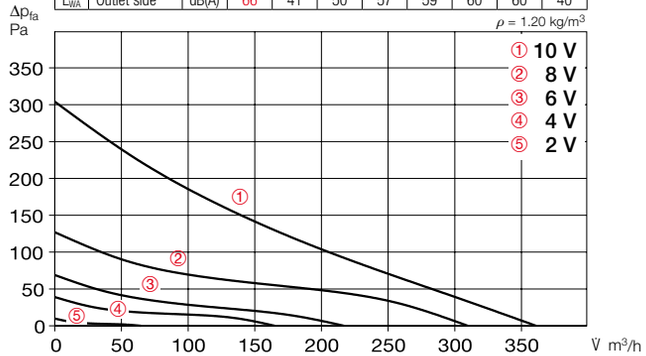
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	52	27	47	46	44	41	36	28
L_{WA}	Inlet side	dB(A)	65	34	59	61	57	52	45	36
L_{WA}	Outlet side	dB(A)	66	37	62	61	59	53	48	40



	Free blowing					
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	2280	280	23	0.26	44	0.30
8	1950	240	16	0.18	41	0.24
6	1390	160	8	0.12	34	0.18
4	1080	120	6	0.08	29	0.18

Performance curves MV EC 125

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	52	29	37	44	46	47	47	28
L_{WA}	Inlet side	dB(A)	65	40	50	57	60	57	59	33
L_{WA}	Outlet side	dB(A)	66	41	50	57	59	60	60	40



	Free blowing					
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	2250	360	30	0.30	44	0.30
8	2000	310	20	0.18	40	0.23
6	1400	220	10	0.15	36	0.17
4	1115	170	8	0.10	32	0.16

Energy-saving EC round duct fan with high pressure performance, high volume output and space-saving dimensions.

Specifically designed for direct insertion in duct systems. Various applications in commercial, industrial and residential areas.

Description

Casing
The fan unit can be removed from the duct casing with integrated mounting bracket by loosening the clamp. All components are made of impact-resistant and corrosion-resistant plastic. Colour: Light grey.

Impeller
Optimised for high pressure performance and volume output, made of high-quality plastic. Dynamically balanced for low-noise operation.

Drive
Energy-saving, speed-controllable EC external rotor motor with high efficiency. Maintenance-free and ball bearing mounted.

Electrical connection
Spacious terminal box (IP44) on outside of casing; can be rotated into any position.

Motor protection
Integrated electronic temperature monitoring system for EC motor and electronics.

Power control
Continuously variable speed control via internal (delivery) or external potentiometer or continuously variable speed regulation with universal control system (see table).
Performance levels are shown in the performance curve as an example.

Installation
No restrictions in any position (horizontal, vertical, diagonal) through corresponding installation for supply or extract ventilation. Installation in duct system, preferably away from the room to be ventilated for less noise.

Noise
The total level and range are specified above the performance diagram for:
☐ Case-radiated sound power.
☐ Inlet side sound power
☐ Outlet side sound power.
The case-radiated noise as sound pressure at 1 m (free field conditions) is also specified in the type table and the table below the performance curve.

Accessory details	**Page**
Filters, heating elements and silencers	483 ff.
Temperature control systems for heating elements	489, 493 ff.
Flexible ventilation ducts, ventilation grilles, fittings, roof outlets	563 ff.
Disc valves	584 ff.
Universal control system, electronic controllers, speed potentiometer	615 ff.

Type	Ref. no.	Connection Ø	Flow rate Free blowing	Rated speed	Sound press. case radiation	Power consum.	Current consum.	Wiring diagram	Max. air flow temp.	Wgt net aprx.	Universal control system		Speed potentiometer flush-mount.		surf-mount.	
		mm	V̇ m³/h	min⁻¹	dB(A) in 1 m	kW	A	No.	+ °C	kg	**Type**	Ref. no.	**Type**	Ref. no.	**Type**	Ref. no.
Single-phase alternating current, 230 V, 50/60 Hz, EC motor, IP45																
MV EC 100	09513	100	280	3250	44	0.029	0.31	1194	60	1.8	**EUR EC** [1)2)]	01347	**PU 10** [1)]	01734	**PA 10** [1)]	01735
MV EC 125	06032	125	360	3600	44	0.039	0.39	1194	60	1.8	**EUR EC** [1)2)]	01347	**PU 10** [1)]	01734	**PA 10** [1)]	01735

[1)] Multiple EC fans can normally be connected. [2)] alternative electronic diff. pressure/ temperature controller (EDR/ETR, No. 01437/01438) or three level speed switch (SU/SA, No. 04266/04267), see accessories.