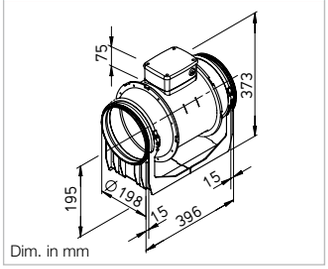
MV EC 200



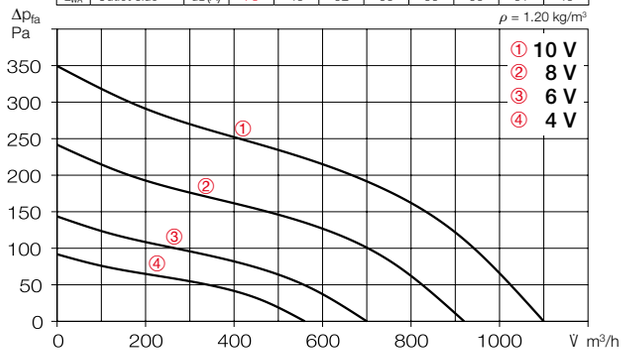
Dimensions MV EC 200



Dim. in mm

Performance curves MV EC 200

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	59	35	49	54	53	54	45	32
L_{WA}	Inlet side	dB(A)	70	45	59	66	62	63	55	40
L_{WA}	Outlet side	dB(A)	73	48	62	68	66	68	61	46



	Free blowing					
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	2680	1100	89	0.8	51	0.29
8	2220	920	52	0.53	47	0.20
6	1700	700	26	0.28	41	0.13
4	1380	560	16	0.19	37	0.10

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.

Special features

- ☐ Highly efficieny EC motor for low operating costs.
- ☐ Low space requirement and installation costs due to linear throughflow.
- ☐ No need for elaborate deflectors.
- ☐ Connectors on inlet and outlet side correspond to standard duct Ø.
- ☐ Performance adjustment through 100% speed control.
- ☐ Can be used in any position.
- ☐ Long-life ball bearings, designed for 30 000 operating hours.
- ☐ Problem-free maintenance and cleaning without dismantling the duct system due to the removable fan unit.
- ☐ Fan unit with terminal box can be rotated into any position.
- ☐ Integrated mounting bracket for easy installation to walls and ceilings.

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 200	06034	200	1100	3000	51	0.090	0.80	1194	50	2.5	**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.