

Fans

ECA 8M F



Description

ECA 8M F: extractors centrifugal box fans

- fan with forward inclined blades, double intake with directly coupled motor, EC with permanent magnets with built-in electronics
- structure made of aluminium profiles, galvanised steel panels
- internal insulation with class 1 acoustic panel
- G4 + F7 filter system with constant flow operation
- integrated solution
- maximum efficiency
- plug and play
- configuration not required
- low noise levels
- high reliability
- "Drive-sensor - Less" mounted directly on the fan casing, with integrated PFC and protection against voltage drop, for a configuration-free plug and play system

- continuous control of speed variation via a 0-10 Volt signal from potentiometer or with Modbus RS485 compliant interface
- fan with IP44 protection IP 44 rating, Drive with IP 54 protection rating
- performance in line with AMCA 210-99 and ISO 5801
- dynamic balancing according to ISO 1940
- working temperature $-20^{\circ}\text{C} / +40^{\circ}\text{C}$

Accessories

- PA: support feet
- MR: protective mesh casing (list price € 98)
- TPE: rain protection cover for exterior (list price € 71)
- P: potentiometer 0-10V (list price € 145)

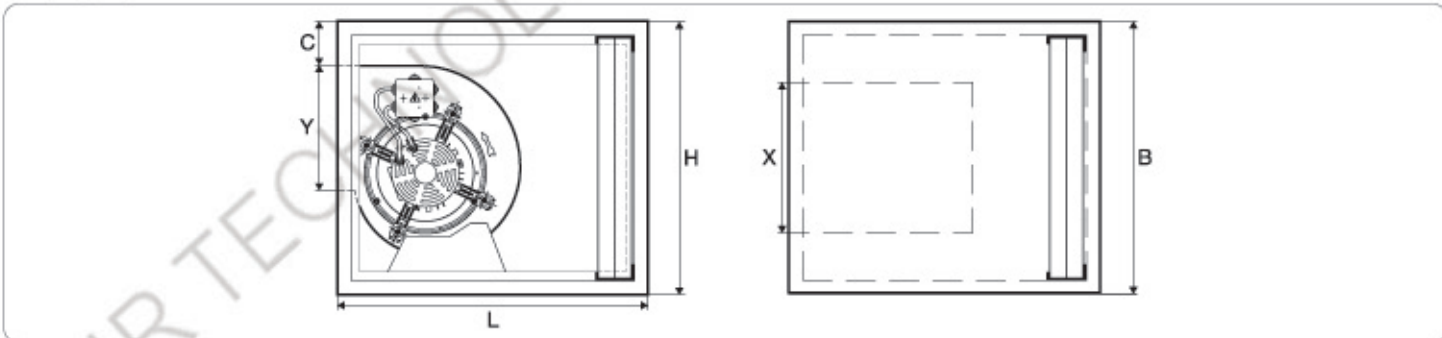
Special executions

- double panel execution (on request)
- constant pressure execution (on request)

How it works

Through the 0-10 Volt signal from either the adjustment or the potentiometer, the constant flow system allows you to find the correct working point that our system needs. Once the working point has been identified, the electronics on the fan will keep the flow rate constant until the maximum head is reached.

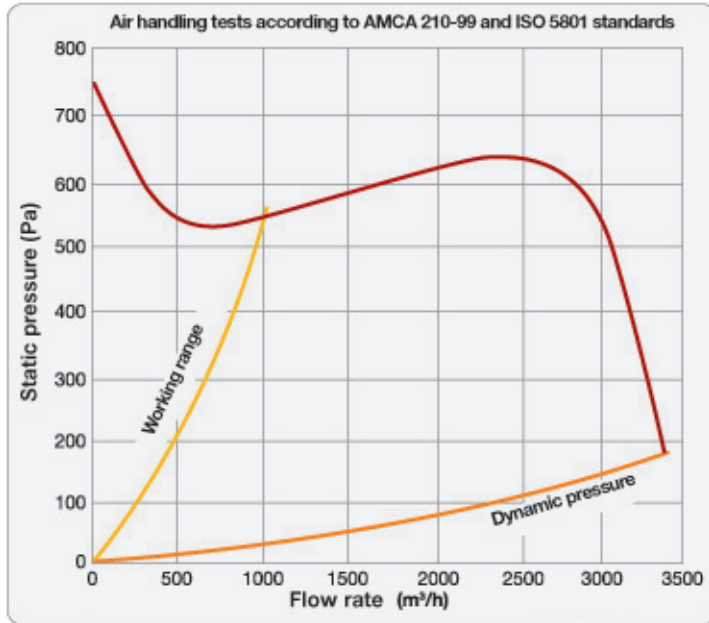
Dimensions



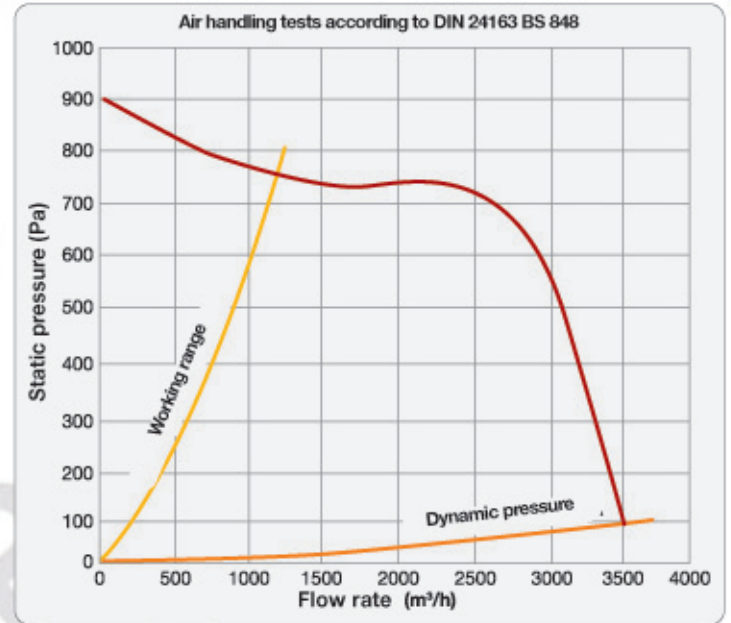
Selection table

Type	kW	Noise level [dB(A)]	Dimensions			Min. flow (m ³ /h)	Pressure (Pa)	Max flow (m ³ /h)	Pressure (Pa)
			B	H	L				
7/7 8M EC	1.04	64	500	500	650	1000	500	3000	350
9/9 8M EC	1.04	64	600	600	750	1000	600	3000	480
10/10 8M EC	1.04	64	600	600	750	1000	700	4000	400
9/9 8M EC	2.2	64	600	600	750	1000	600	5000	420
10/10 8M EC	2.2	64	600	600	750	1400	850	5000	600

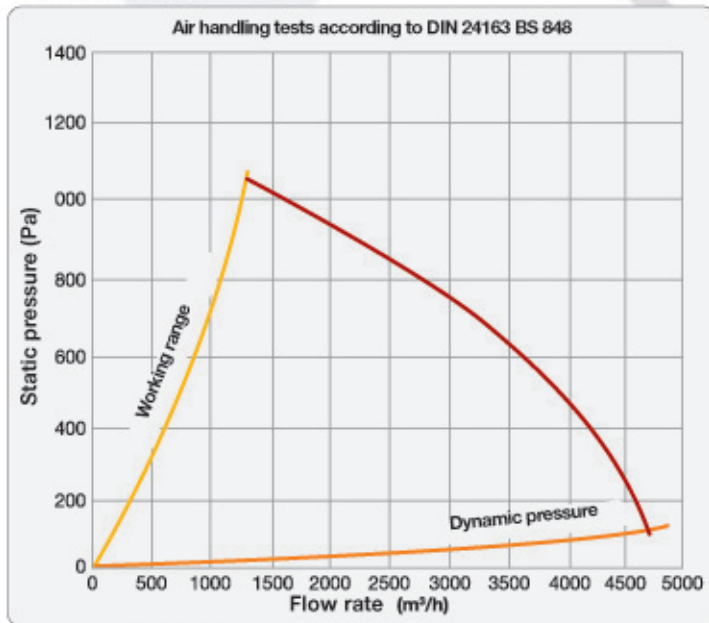
7/7 8M EC 1kW



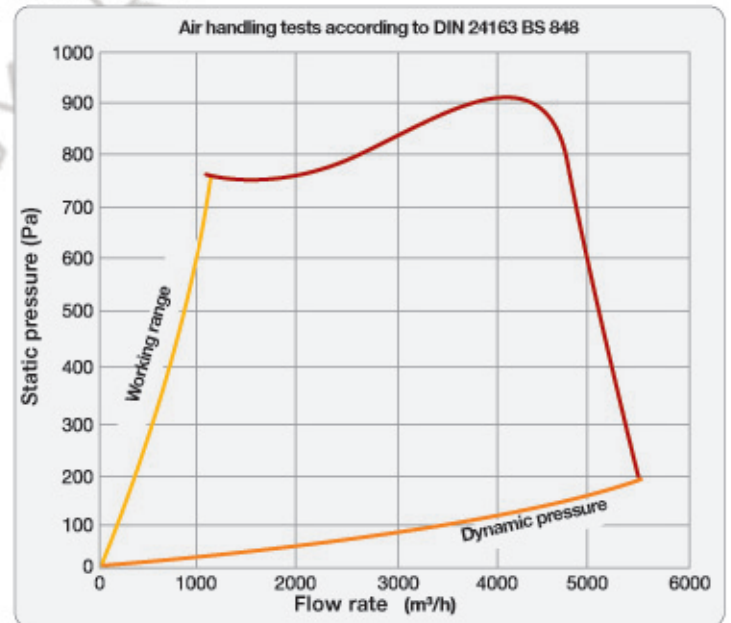
9/9 8M EC 1kW



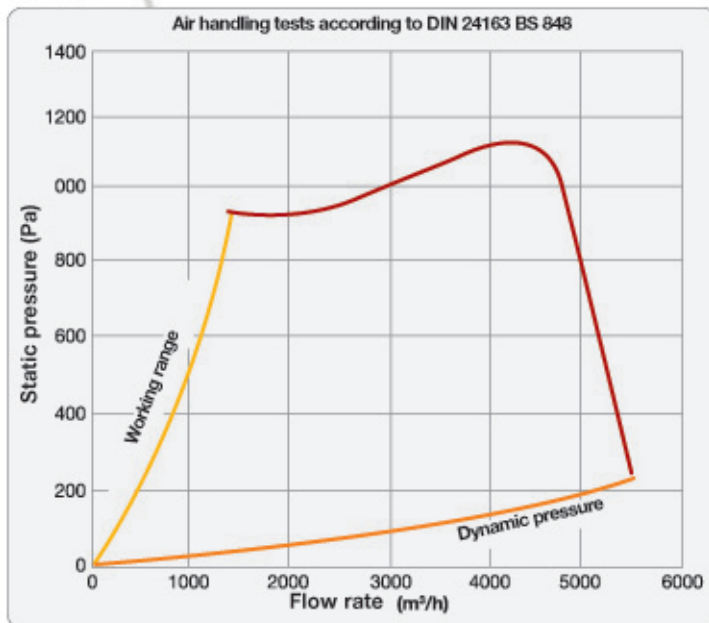
10/10 8M EC 1kW



9/9 8M EC 2kW



10/10 8M EC 2kW



Electrical connections

