

LIMODOR **F/M-EC**

*The new „all inclusive“,
energy efficient fan*



General:

The LIMODOR fan is made for user friendly installation in either wall or ceiling and can be used in bathroom, toilet, kitchen and living room. The device is designed for many application possibilities and also to save time at the installation process. The cover frame connects directly to the fan unit and compensates installation depth up to 80mm without using any installation equipment. The LIMODOR fan unit comes as flush- or surface installation version.

The fan unit LIMODOR F/M-EC fits into every consisting LIMODOR F/M housing. Turn on delay, adjustable turn off delay and interval mode just as acoustical and optical filter control are already included without extra cost.

The F/M-EC offers a wide range of volume flow stages. The full load can be operated at 30/50/60 oder 100m³/h while possible ground load stages are 15/20/30/40m³/h. The stages can be adjusted by changing DIP-switches on the motor control. The fan mode can also be adjusted. The options are constant volume flow or constant fan speed.

EC-Technology accounts for saving 40-50% of the energy compared to other devices.

By using an EC-adapter control, other accessories as humidity control, motion control oder time control can be added to the LIMODOR F/M-EC. Also, we offer a multi-function-control which enables additional time configurations for turn-on and turn-off delay, interval control and the ability to use a third volume flow stage.

Advantages of the LIMODOR F/M-EC

- adjustable from 15m³/h - 100m³/h
- Full- and ground stage possible
- Energy saving 40-50 %
- constant volume flow or fan speed
- adjustable turn-off delay
- Turn-on delay and interval control can be activated
- Filter control optical and acoustical
- Fits into every consisting LIMODOR F/M housing
- additional accessories with the EC-adapter control (Art-Nr.: 55048)

Technical data - General:

Installation	Flush mounting / Surface mounting
Application area	Kitchen / bathroom / toilet
Voltage	230 VAC / 50 Hz
Protection class	II
Protection art	IP X5
Additional room connection	Possible
Toilet bowl connection	Possible
Installation depth	100 mm
Exhaust collar	Ø 80 / 75 mm
Adjustable volume flow stages - Full stage	100 / 60 / 40 / 30 m ³ /h
Adjustable volume flow stages - Ground stage	40 / 30 / 20 / 15 m ³ /h
Control options (adjustable)	Turn-on delay, turn-off delay, interval control
Extended control options - optional	ECO ¹⁾ - Turn-on delay, ECO ¹⁾ - Turn-off delay, ECO ¹⁾ - Interval time
	Humidity control, motion control

1) Extended control options

Coding and funktion of the fan unit LIMODOR F/M - EC

The fan unit comes with the codeable motor control. Functions like volume flow, time dealy and more, can be controlled by adjusting coded switches. Volume flow changes may also require adjustments of air carrying pipe dimensions.

Default setting:

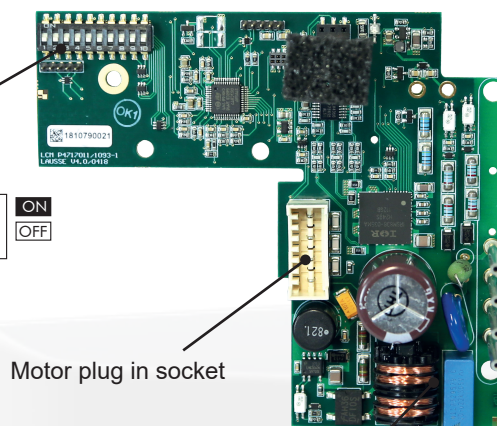
- Volume flow - Full stage: 60m³/h
- Volume flow - Ground stage: 30 m³/h
- Turn-off delay: 16 minutes
- Filter replacement indicator: OFF
- Fan mode: Constant volume flow

DIP- switches



Functions of the DIP-switches:

- | | | |
|----------------|---|--------------------------|
| DIP-switch 1/2 | - | Volume flow full stage |
| DIP-switch 3/4 | - | Volume flow ground stage |
| DIP-switch 5/6 | - | Turn-off delay |
| DIP-switch 7 | - | Turn-on delay |
| DIP-switch 8 | - | Interval mode |
| DIP-switch 9 | - | Filter control indicator |
| DIP-switch 10 | - | Fan mode |

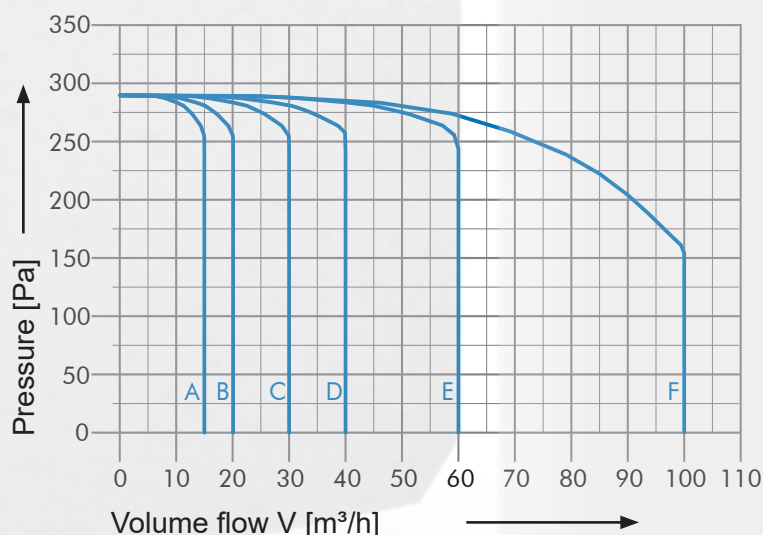


Motor plug in socket

LED-Control light at the front of the motor control for correct electrical installation and filter exchange indication.

Characteristic curve:

LIMODOR F/M - EC with 0,5m Alu Flex pipe
Ø 80 mm, 1x90 degrees curve



- | | | |
|----------------------------------|----------------------------------|------------------------------------|
| A = 15 m ³ /h / 3,3 W | C = 30 m ³ /h / 3,6 W | E = 60 m ³ /h / 5,9 W |
| B = 20 m ³ /h / 3,4 W | D = 40 m ³ /h / 4,2 W | F = 100 m ³ /h / 14,1 W |

LIMODOR F/M-EC

Art.Nr.	Type	Description
22077	Fan unit LF/M-EC	multistage with fan cover plate, time delay relay etc.
22078	Fan unit LF/M-EC + C-BM	multistage with fan cover plate, time delay relay, motion module etc.
22080	Fan unit LF/M-EC + C-FR3	multistage with fan cover plate, time delay relay, humidity module for ground stage etc.
55048 ¹⁾	Adapter board - EC	for LF/M-EC

¹⁾ The adapter board is required for the application of additional modules as, C-FR, C-BM, C-LU2/D etc. with the fan unit 22077

LIMODOR

AirClean
AirOdor
AirOnova
AirVital
AirBase
AquaVent
Limax

QUALITY MADE IN AUSTRIA

In previous years, LIMOT demonstrated technical innovation-strength, which reflects on our LIMODOR products. LIMODOR - products are made of superior material and rigorously tested before distribution. The test results are monitored externally by TÜV, ÖVE and VDE.



LIMOT Elektromotorenbauges.m.b.H & Co. KG

HEAD OFFICE - Leonding
Paschinger Straße 56, A - 4060 Leonding
e-mail: office@limot.com

SALES OFFICE - Vienna
Prechtlgasse 9, A - 1090 Vienna
e-mail: office.wien@limot.com

Tel.: +43 (0)57556
www.limodor.com