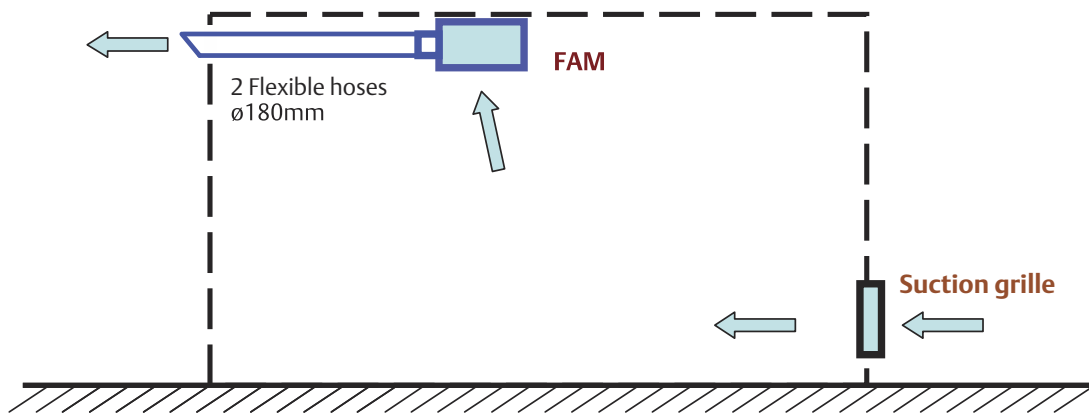




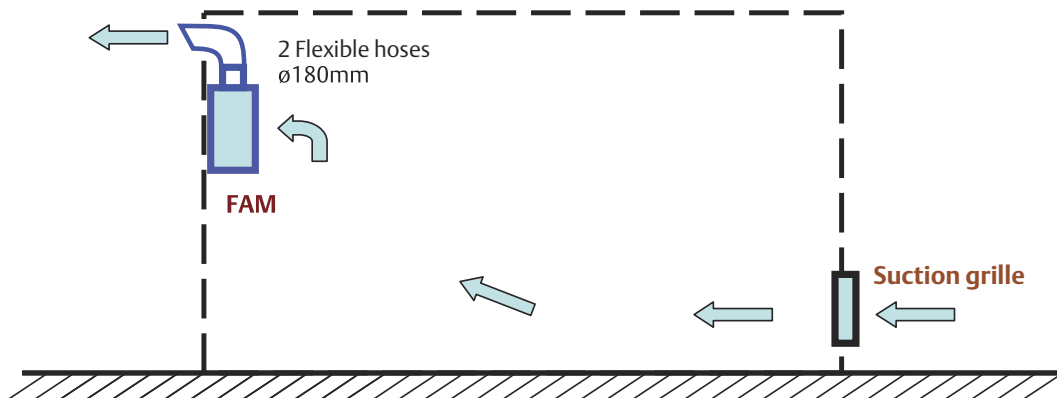
**FAN AIR MODULE
FAM 3000 E - 48 VDC**



Ceiling application of FAM 3000 E



Wall application of FAM 3000 E



Installation and connections

The FAM module could be installed:

- on the ceiling** in horizontal position (Fig. 1a) using the 4 fixing holes (Fig. 3). Do not stare at ceiling light that are not predisposed to the operation of the static and dynamic module FAM, to avoid possible sagging structure.
- on an external wall** of the room in a vertical position (Fig. 1b) - using the 4 fixing holes (Fig. 3). Do not stare at light walls which are not suitable to static and dynamic operation of the FAM module, to avoid possible structural failure.

Description of FAM 3000 E - 48 VDC

The module is constituted by a structure made of sheet steel (510x450xh220 mm), oven painted that includes:

- Axial fan**, directly coupled to a motor speed, heads and flow variables.
It is equipped with eernal thermal protection, with automatic reset, that eerveenes in case of overload of fan.
- Eernal terminal** for 48 VDC power supply + earth.
- Manual fan speed control**
- Counterflange to eject air**, for n. 2 flexible hoses of 180 mm external diameter.

TECHNICAL CHARACTERISTICS OF FAM 3000 E - 48 VDC

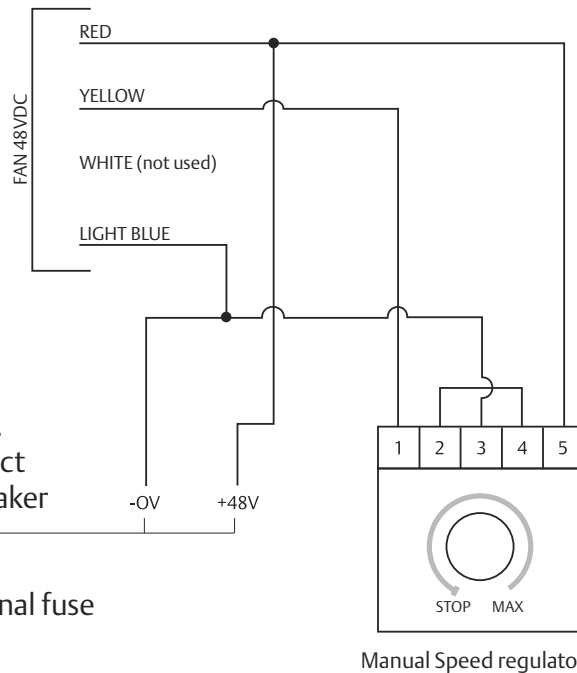
Characteristics	Unit of measure	Value
Air flow (at 21 °C, density = 1.2 kg/m ³)	m ³ /h	3000
Head Pressure	Pa	150
Expulsion air	mm	2 hoses ø 200
Electric Supply (VDC +/- 10%) (EN 60204 - 1)	V	48
Power input	W	170
Electric absorption	A	3,5
Weight (included air filter)	kg	15
Limits of use	-25°C ÷ +60°C	

TECHNICAL CHARACTERISTICS OF THE FAM AT 48 VDC

Characteristics (air at 21 °C)	High prevalence	Medium prevalence	Low prevalence
Total head pressure [Pa]	150	90	50
Air flow Q [m ³ /h]	3000	2400	1300
RPM	1370	1045	700
Power Input [W]	170	93	45

OPTIONAL

Electrical diagram
FAM 3000 - 48 VDC



Power provided by the user.
It is recommended to protect
the FAM with adequate breaker

Note: The speed regulator
is protected by an eernal fuse

Fan speed Regulator



Fan speed regulator

At the potentiometric
command for adjusting
voltage is slaved a switch
which stops the power.
With a trimmer you can
adjust the minimum value
the speed or power.
The trimmer is accessible
from the outside,
with screwdriver.

FAN SPEED REGULATOR

Connection V+ / V-			
Voltage	V+/V-	36÷52 VDC	
Connection IN / V-			
Minimum (*)	V _{MIN}	0÷5 VDC	
Regulation Voltage (*)	IN/V-	V _{MIN} ÷10 VDC	
Output impedance	R _{IN}	5 kOhm max	
STOP function		Opened	

(*) NOTE

Voltage value are referred to no load present to IN / V-