

MEC MIX F AXIAL AND DUCTABLE

Axial and ductable hot air generators with premixed gas burner



mod. MEC MIX F 50
Axial



mod. MEC MIX F 50
ductable
with centrifugal fans



mod. MEC MIX F 100 Axial with
standard support shelf



mod. MEC MIX F 100 ductable
with standard centrifugal fans with support bracket

Technical and construction features

MEC MIX F series hot air generators are an evolution of the MEC series and allow, with very high efficiency, to meet the environmental heating requirements of large production and commercial spaces.

The fuel used is natural gas or LPG.

The peculiarity of the range of air generators is that of operating with a premixed air gas burner that allows you to drastically reduce, and even cancel, polluting emissions such as NOx and CO.

The new combustion system also makes it possible to significantly improve the combustion efficiency of the generators.

MEC MIX F is a gas hot air generator that produces ecological thermal energy due to the clean combustion obtained from the premix burner.

The cover is made of epoxy powder coated steel sheet, guaranteeing long life. On the right side, inside a door, there are:

- the electrical panel with the relative wiring
- the microprocessor card for burner control

premix and ionisation flame control

- the board manages the modulation of the thermal power

of the convective air flow rate only for the axial version -

- the constant ratio gas valve
- the variable speed fan of the premix burner
- the ignition transformer
- the electrical terminal board for connecting the various parts and the electrical supply

Below are the holes for the connection of the Ø 60 mm air intake and flue gas exhaust ducts (it is possible to add as an option a special splitter for the installation of the coaxial flue Ø 60/100 mm.). Inside the device there are:

- the combustion chamber in stainless steel with welding robotic mig and heat exchangers
- the stainless steel multigas premix burner
- the ignition electrodes
- the flame detection electrode
- the flue gas collection duct, with condensate drain siphon
- the generator is complete with electronic remote control



MADE
IN ITALY



STAINLESS STEEL
COMBUSTION
CHAMBER



ERP
READY



HIGH
PERFORMANCE
96% CERTIFICATED



REMOTE
CONTROL

The new axial MEC MIX F 100 hot air generators and the ductable MEC MIX F 100 are supplied as standard with support brackets for wall mounting.

Model	Thermal Flow kW	Thermal Power kW	Code	€
MEC MIX F 50 AXIAL	50,10	47,90	30360100	4.420,00
MEC MIX F 100 AXIAL	100,20	95,80	30360300	8.980,00
MEC MIX F 50 DUCTABLE	50,10	47,90	30360101	5.400,00
MEC MIX F 100 DUCTABLE	100,20	95,80	30360301	11.100,00

MEC MIX F AXIAL AND DUCTABLE

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Accessories MEC MIX F axial and ductable

Code

€



OUTDOOR COVERING BOX FOR INSTALLING MEC MIX F 50
OUTSIDE THE ROOM TO BE AIR CONDITIONED Height 100 cm
Width 100 cm
Depth 100 cm
for mod. MEC MIX F 50 ductable

30322213 1.680,00



Digital programmable thermostat with weekly programming
with wifi connectivity for remote control of hot air generators

36205225 220,00



MEC MIX Ø 60 horizontal flue pipe,
length 1 m in aluminum
n.2 ps for MEC MIX 100 ax. and duct.

30351017 30,00



MEC MIX Ø 60 horizontal air intake pipe,
length 1 m in aluminum
n.2 ps for MEC MIX 100 ax. and duct.

30351018 30,00



Extension pipe in aluminium Ø 60 M/F
length 1 m

37500050 30,00



Curve in aluminium Ø 60 -
90° M/F

37800020 40,00



Curve in aluminium Ø 60 -
45° M/F

30351007 30,00



Splitter mod. MEC MIX to convey
flue gas exhaust and air intake
on coaxial Ø 60/100

**mod. MEC MIX ax.
mod. MEC MIX duct.**

**30351004 150,00
30351014 160,00**

n.2 ps for MEC MIX 100 ax. and duct.



Coaxial aluminum flue gas intake / exhaust pipe
complete with exhaust terminal and wall cover
rosettes in EPDM Ø 60/100 - Length 1 m
n.2 ps for MEC MIX 100 ax. and duct.

30351001 80,00



Coaxial aluminum extension Ø
60/100 M / F length 1 m

30351002 60,00



Coaxial curve in aluminum
Ø 60/100 - 90° M/F

30351006 70,00



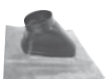
Coaxial curve in aluminum
Ø 60/100 - 45°

30351005 60,00



Coaxial roof exhaust kit in
aluminum Ø 60/100

30351009 190,00



Lead base inclined fandale

30351010 70,00



Support bracket
MEC MIX F 50 axial
and ductable

**mod. inside inatallation
mod. outdoor installation**

**30350090 120,00
30350091 150,00**



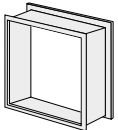
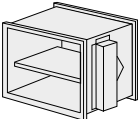
Double-order air
delivery grille
of adjustable fins

**mod. axial inside 20/35 - 20/45 30322211 220,00
mod. duct. outdoor 20/35 - 20/45 30322214 260,00
mod. axial inside 20/70 - 20/90 30322212 440,00**

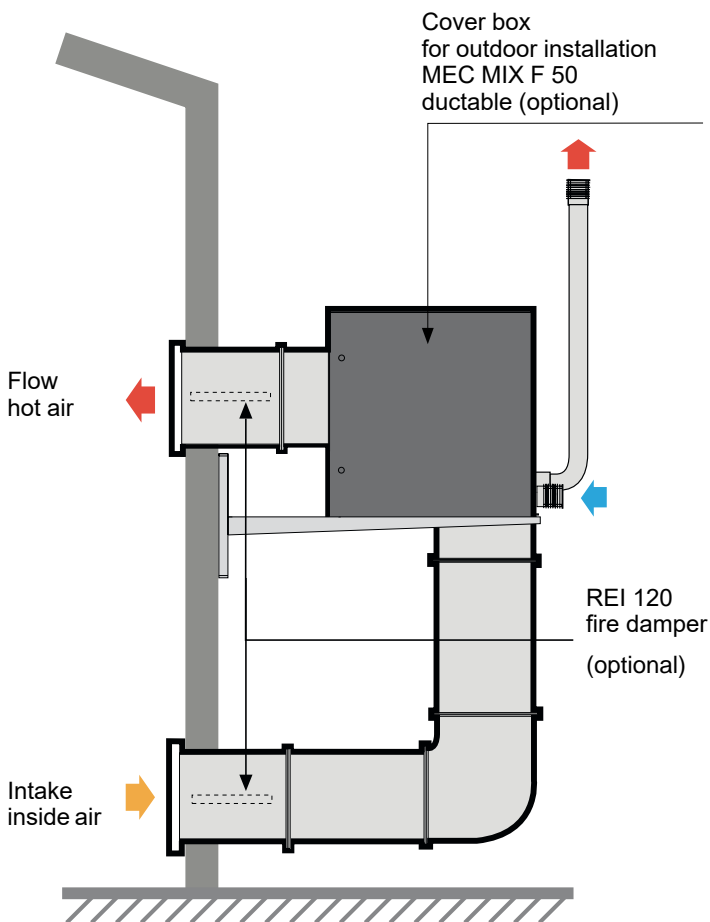
MEC MIX F AXIAL AND DUCTABLE

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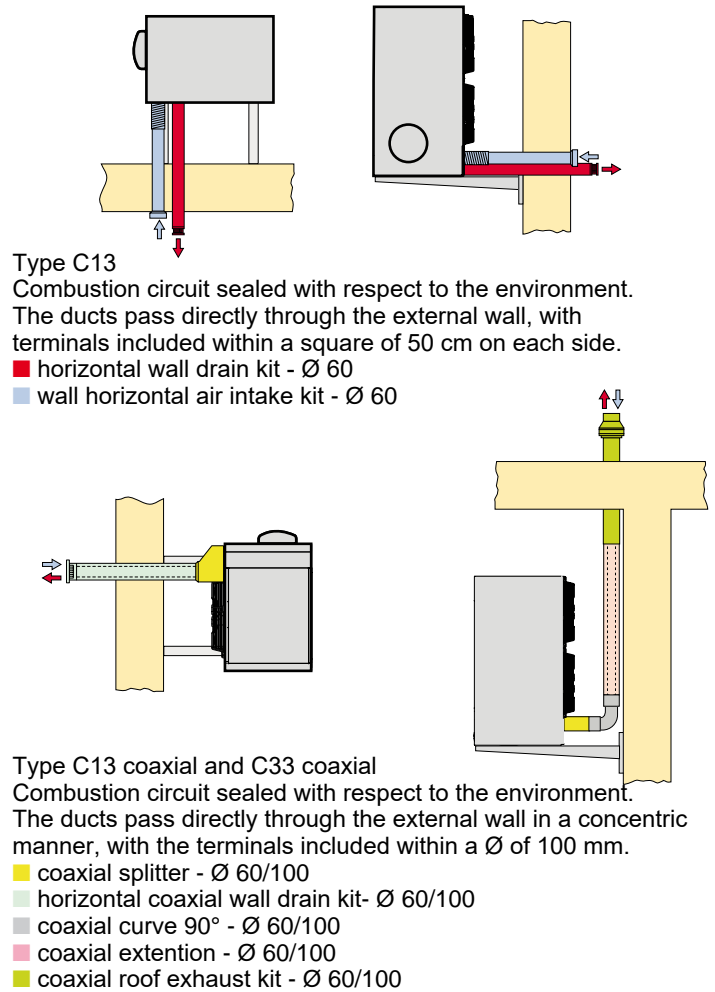
Axial and ductable MEC MIX F accessories

		Codice	€
	Connection duct for air delivery MEC MIX F 50 ductable for installation outside the room to be air-conditioned	30322224	150,00
	REI 120 fire damper MEC MIX F 50 ductable for installation outside the room to be air-conditioned	30322208	840,00

Example of MEC MIX F installation that can be ducted outside the building to be air-conditioned



Examples of axial MEC MIX F installation inside the building to be air conditioned

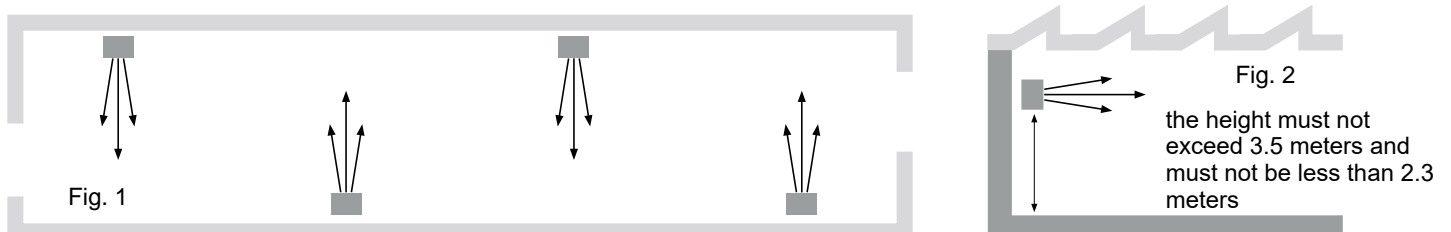


Example of MEC MIX F installation for better heat distribution

For a better heat distribution, in case of installation with several machines, create alternating flows of hot air (see fig .1)

In some cases, it may also be appropriate to place the appliances in the vicinity of doors so that they also perform the function of an air barrier when opening the doors.

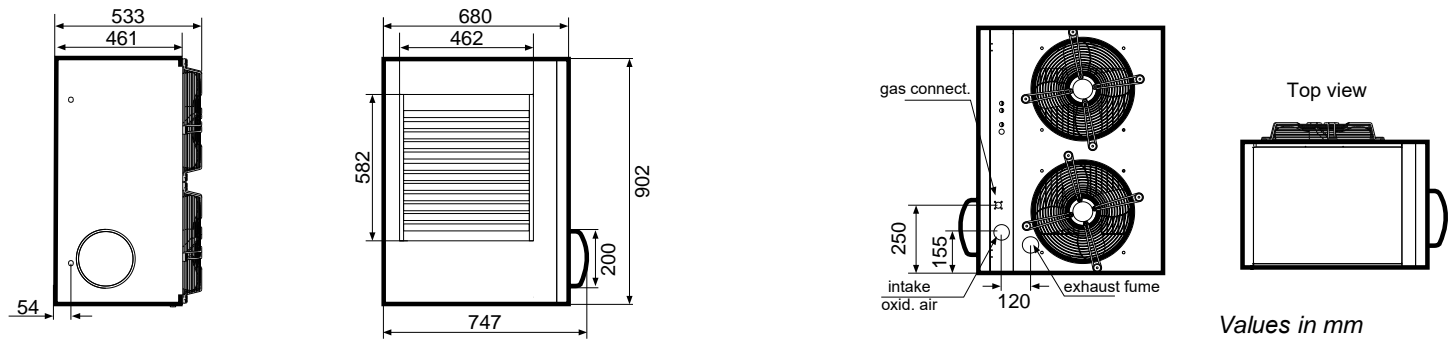
Installation at heights greater than 3.5 meters is not recommended as this does not ensure air recovery in the lower layers of the environment, generating potential situations of stagnation of cold air near the floor (see fig .2)



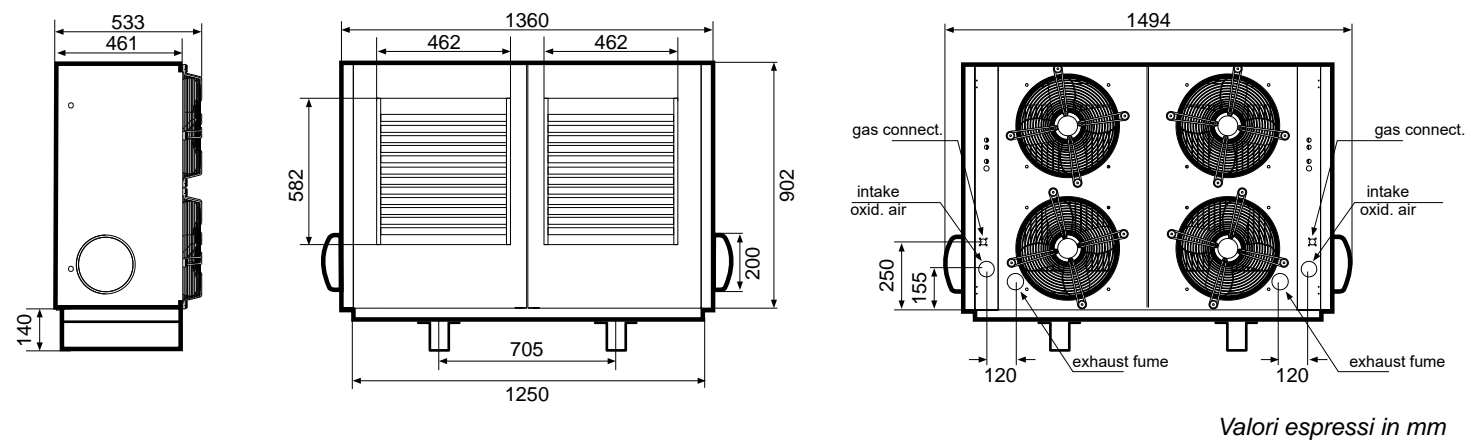
MEC MIX F AXIAL AND DUCTABLE

Axial and ductable hot air generators with premixed gas burner

Dimensions MEC MIX F 50 with axial fans



Dimensions MEC MIX F 100 with axial fans



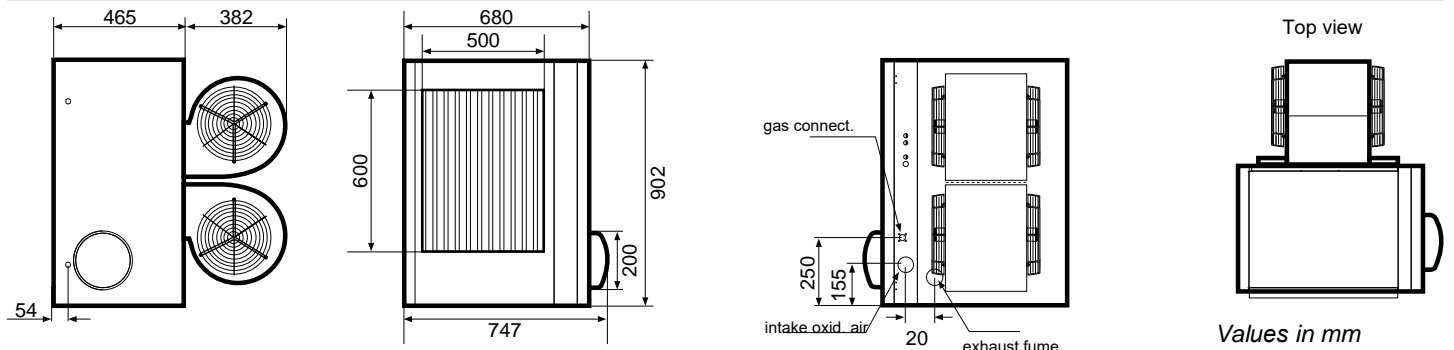
Technical data table of axial MEC MIX F suspended generators

DESCRIPTION	U.M.	MEC MIX F 50 axial	MEC MIX F 100 axial
Category of unit		I12H3P	
Type of unit		B23 - C13 - C33 - C63 - C53	
Gas supply		Methane - L.P.G.	
Thermal flow nom.	kW	48,16	96,32
thermal power nom.	kW	44,74	89,48
Gas flow 15°	<i>Methane</i> m ³ /h	5,08	10,160
C-1.013 mbar	<i>Propane</i> kg/h	3,89	7,78
Nominal efficiency at maximum flow rate	%	92,9	92,9
Natural gas supply pressure	mbar	20	
Supply pressure L.P.G. G31	mbar	37	
Energy efficiency class		A	A
Gas supply diameter		G 1/2"	2 x G 1/2"
Air supply pipe diameter	mm	60	1 x 130
Smoke outlet pipe diameter	mm	60	2 x 60
Power supply		230V/1/50Hz	
Air flowmax	m ³ /h	3600	7200
Air flow min	m ³ /h	2100	4200
Rpm air fans	n.	1120	1210
Launch	m	27	27
Thermal jump power max	°C	39,8	39,8
Sound level (5 m)	dB(A)	48	51
Electrical power	W	365	730
Fuse	A	6,3	2 x 6,3
Weight	Kg	84	160

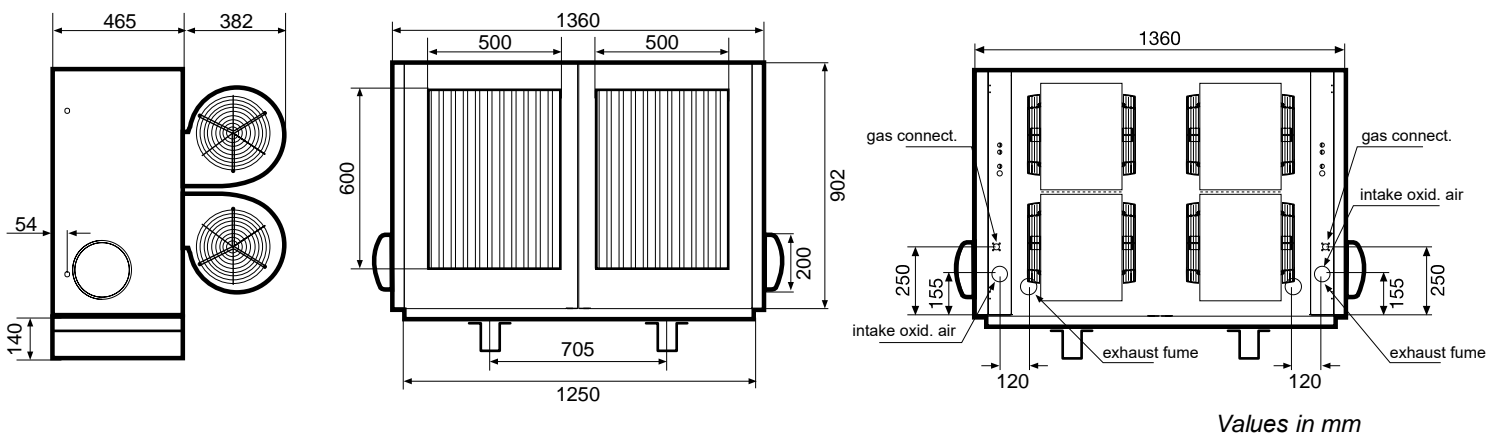
MEC MIX F AXIAL AND DUCTABLE

Axial and ductable hot air generators with premixed gas burner

Dimensions MEC MIX F 50 ductable with centrifugal fans



Dimensions MEC MIX F 100 ductable with centrifugal fans



Technical data table of MEC MIX F ductable suspended generators

DESCRIPTION	U.M.	MEC MIX F 50 ductable	MEC MIX F 100 ductable
Category unit			II2H3P
Type unit			B23 - C13 - C33 - C63 - C53
Gas supply			Methane - L.P.G.
Thermal flow nom.	kW	46,02	92,04
Thermal power nom.	kW	43,21	86,42
Gas flow 15°	<i>Methane</i> m ³ /h	4,85	9,70
C-1.013 mbar	<i>Propane</i> kg/h	3,55	7,10
Nominal efficiency at maximum flow rate	%	93,9	93,9
Natural gas supply pressure	mbar		20
Supply pressure L.P.G. G31	mbar		37
Energy efficiency class		B	B
Gas supply diameter		G 1/2"	2 x G 1/2"
Air supply pipe diameter	mm	60	1 x 130
Smoke outlet pipe diameter	mm	60	2 x 60
Power supply			230V/1/50Hz
Useful ventilation pressure	Pa		100
Air flow max	m ³ /h	3750	7500
Air flow min	m ³ /h	2200	4400
Thermal jump max	°C	38,2	38,2
Sound level (5 m)	dB(A)	52	54
Electrical power	W	1050	2100
Fuse	A	10	2 x 10
Weight	Kg	94	188