

MEC MIX F AXIAL AND DUCTED

Axial and ductable hanging 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 tandem
with standard support shelf



chronothermostat
class 5 digital
as standard



mod. MEC MIX F 100 tandem ducted
with centrifugal fans with support bracket as standard

Technical and construction characteristics

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

The fuel used is natural gas or LPG.

The peculiarity of the range of air generators is that they operate with a premixed air-gas burner which allows for a drastic reduction in polluting emissions such as NOx and CO.

The new combustion system also makes it possible to significantly improve the combustion efficiency of the generators, which reaches and exceeds 100% on the PCI of the fuel.

MEC MIX F is a suspended gas hot air generator that produces ecological thermal energy as a result of the clean combustion obtained from the premixed burner.

TECHNICAL FEATURES:

- Electrical panel with the relevant pre-assembled wiring;
- Microprocessor board for burner control; premixed and ionization flame control;
- Card that manages multiple cascade connections hot air generators (up to 10 master-slave units);
- Constant ratio gas valve;
- Pre-mixed burner variable speed fan;
- Power ignition transformer;
- Combustion chamber entirely in stainless steel with welding robotized mig and the included heat exchangers are always in stainless steel;
- Stainless steel multi-gas premix burner;
- Shaped ignition and flame detection electrodes;
- Expected summer ventilation;
- Generator complete with electronic remote control;
- Advanced digital chronothermostat with programming as standard weekly with graphic display for remote control of hot air generators.

At the bottom there are holes for connecting the ducts Ø 60 mm air intake and smoke exhaust (it is possible to add a special splitter as an option for the installation of the Ø 60/100 mm coaxial flue system).

The new premixed hot air generators in the axial MEC MIX F 100 version and the ductable MEC MIX F 100 are structurally made up of two mirrored hot air generators (a right MEC MIX F and a left MEC MIX F) pre-assembled on a special support shelf supplied as standard.

This intelligent solution allows the thermal load to be halved and at the same time to avoid total blockage of the generator in the event of an operating anomaly.



MADE
IN ITALY



ROOM
OF COMBUSTION
IN STAINLESS STEEL



ERP
READY



HIGH YIELD
96% CERTIFIED



COMMAND
REMOTE
STANDARD

Model	Thermal input kW	Power Thermal kW	Code	€
MEC MIX F 50 AXIAL	50,10	47,90	30360100	4.920,00
MEC MIX F 100 AXIAL	100,20	95,80	30360300	8.980,00
MEC MIX F 50 DUCTED	50,10	47,90	30360101	6.200,00
MEC MIX F 100 DUCTED	100,20	95,80	30360301	9.400,00

***SPECIFY IN THE ORDER IF THE MEC MIX MUST BE POWERED BY METHANE OR LPG**

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MEC MIX F axial and ductable accessories

		Code	€
	Outdoor cover box for installation MEC MIX outside the room to be air conditioned by mod. MEC MIX F 50 ductable Height 113 cm - Width 100 cm - Depth 97.5 cm	30322213	1.834,00
	Outdoor cover box for installation MEC MIX outside the room to be air conditioned by mod. MEC MIX F 100 ductable Height 113 cm - Width 165 cm - Depth 97.5 cm	30345013	2.900,00
	Digital chronothermostat	STANDARD	
	Weekly programming digital chronothermostat with wi-fi connectivity for remote control of hot air generators	36205225	220,00
	<i>MEC MIX horizontal fume exhaust pipe</i> Ø 60 length 1 m in aluminium <i>n. 2 pieces for MEC MIX 100 axial and ductable</i>	30351011	30,00
	MEC MIX horizontal air intake hose Ø 60 length 1 m in aluminium <i>n. 2 pieces for MEC MIX 100 axial and ductable</i>	30351018	30,00
	Aluminum extension Ø 60 M/F length 1 m	37500050	30,00
	Aluminum curve Ø 60 - 90° M/F	37800020	40,00
	Aluminum curve Ø 60 - 45° M/F	30351007	30,00
	Splitter mod. MEC MIX to convey fume exhaust and air intake on coaxial Ø 60/100 <i>n. 2 pieces for MEC MIX 100 axial and ductable</i>	mod. MEC MIX axial 30351004 mod. MEC MIX ductable 30351014	150,00 160,00
	<i>Coaxial aluminum fume intake/exhaust pipe</i> <i>complete with exhaust terminal and wall rosettes</i> <i>in EPDM Ø 60/100 - Length 1 m</i> <i>n. 2 pieces for MEC MIX 100 axial and ductable</i>	30351001	80,00
	Aluminum coaxial extension Ø 60/100 M/F length 1 m	30351002	60,00
	Coaxial bend in aluminium Ø 60/100 - 90° M/F	30351006	70,00
	Coaxial bend in aluminium Ø 60/100 - 45°	30351005	60,00
	Coaxial roof drain kit in aluminum Ø 60/100	30351009	190,00
	Lead base inclined headlamp	30351010	70,00
	Support shelf MEC MIX F 50 axial and ductable	mod. indoor installation 30350090 mod. outdoor installation 30350091	120,00 150,00

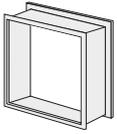
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MEC MIX F axial and ductable accessories

Code

€



Connection channel for air delivery
MEC MIX F 50 ductable for installation outside the room
to be air conditioned

30322224

150,00



Air delivery grille
double order
of adjustable fins

mod. F 50 Internal axial

30322211

220,00

mod. F 50 External ducted

30322214

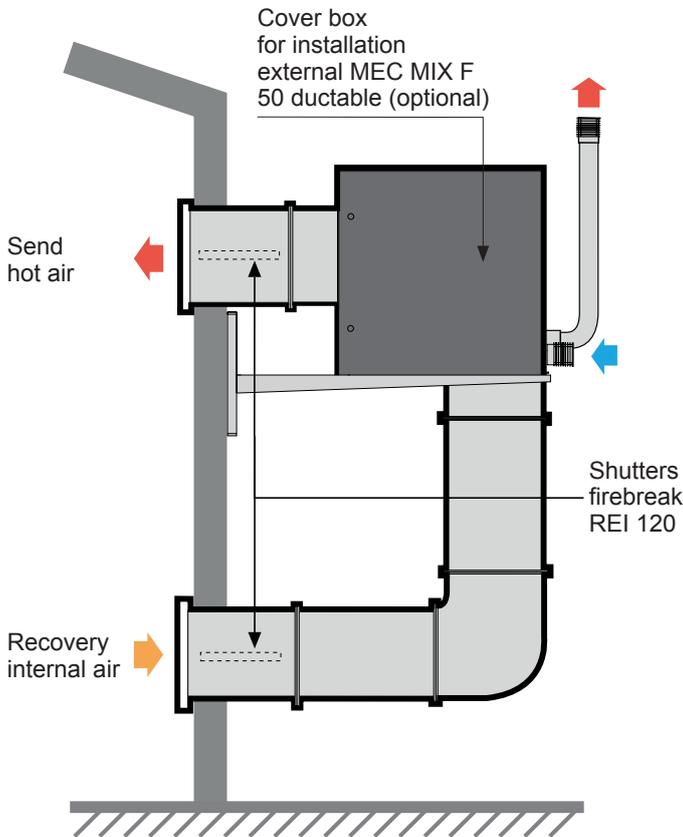
260,00

mod. F 100 Internal axial

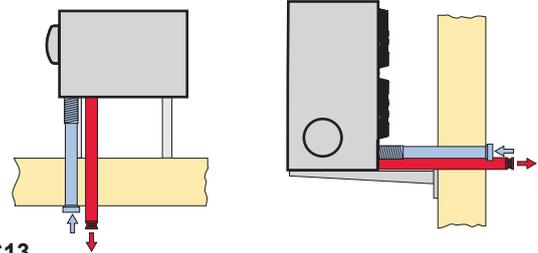
30322212

440,00

Example of MEC MIX F ductable installation outside the building to be air conditioned



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

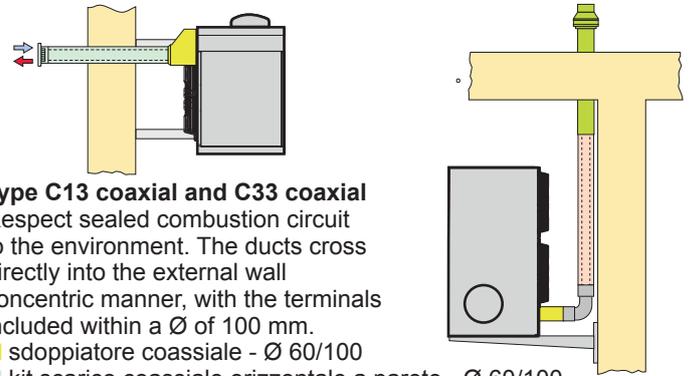


Type C13

Combustion circuit sealed from the environment. The ducts pass directly through the external wall, with terminals included within a 50 cm square.

■ horizontal wall drain kit - Ø 60

■ horizontal wall-mounted air intake kit - Ø 60



Type C13 coaxial and C33 coaxial

Respect sealed combustion circuit to the environment. The ducts cross directly into the external wall concentric manner, with the terminals included within a Ø of 100 mm.

■ sdoppiatore coassiale - Ø 60/100

■ kit scarico coassiale orizzontale a parete - Ø 60/100

■ curva coassiale 90° - Ø 60/100

■ prolunga coassiale - Ø 60/100

■ kit scarico a tetto coassiale - Ø 60/100

Example of MEC MIX F installation for better heat distribution

For better heat distribution, in the case of installation with multiple machines, create alternating flows of hot air (see Fig. 1)

In some cases it may also be appropriate to place the devices near doors so that they also perform the function of an air barrier when the doors are opened.

Installation at heights higher 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)

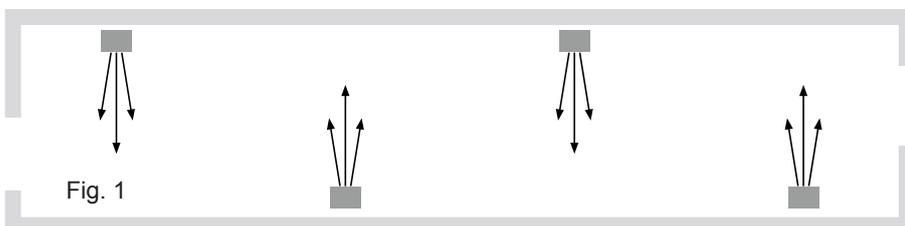


Fig. 1

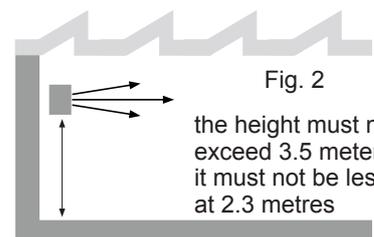


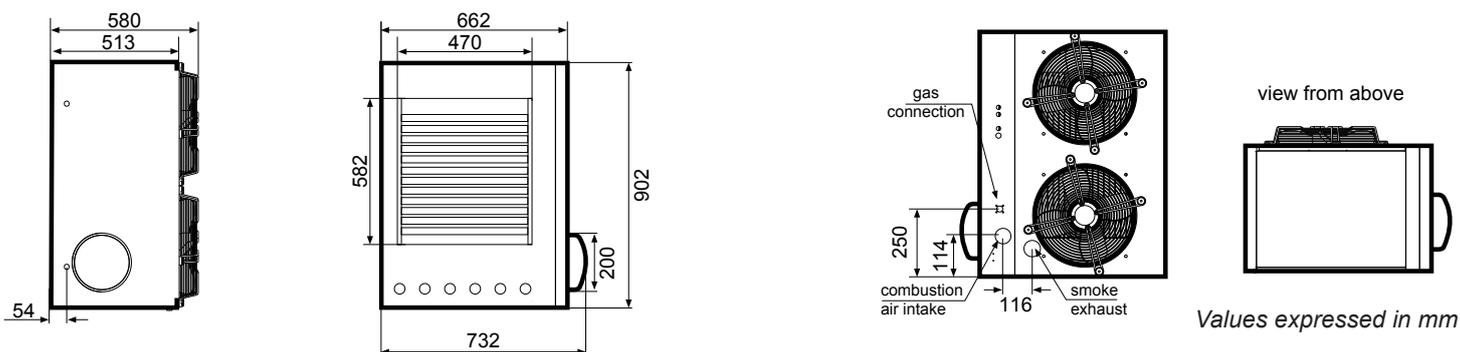
Fig. 2

the height must not exceed 3.5 meters e it must not be less at 2.3 metres

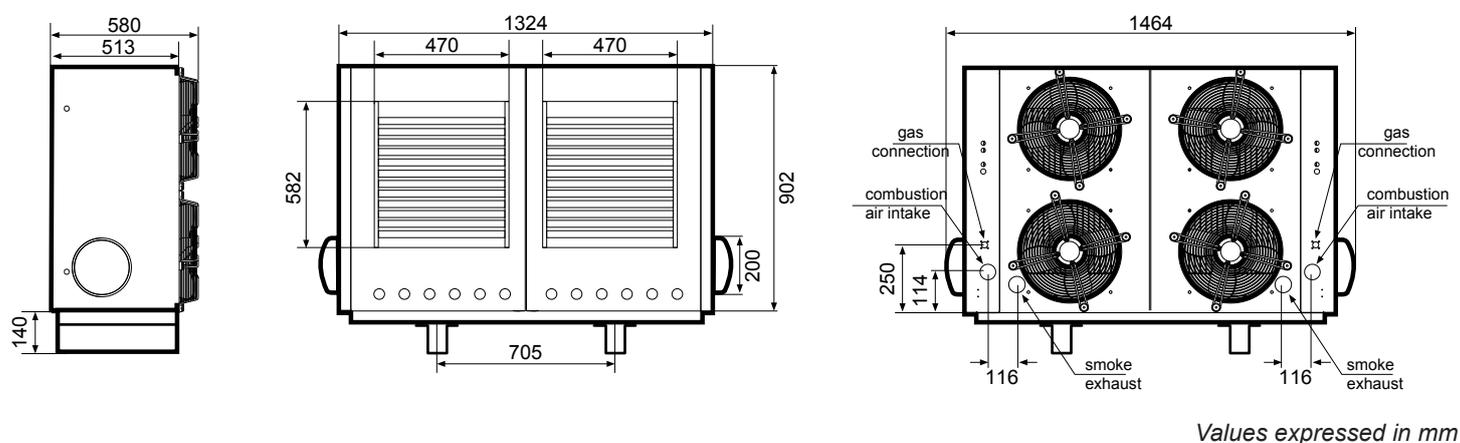
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Dimensions MEC MIX F 50 with axial fans



Dimensions MEC MIX F 100 with axial fans



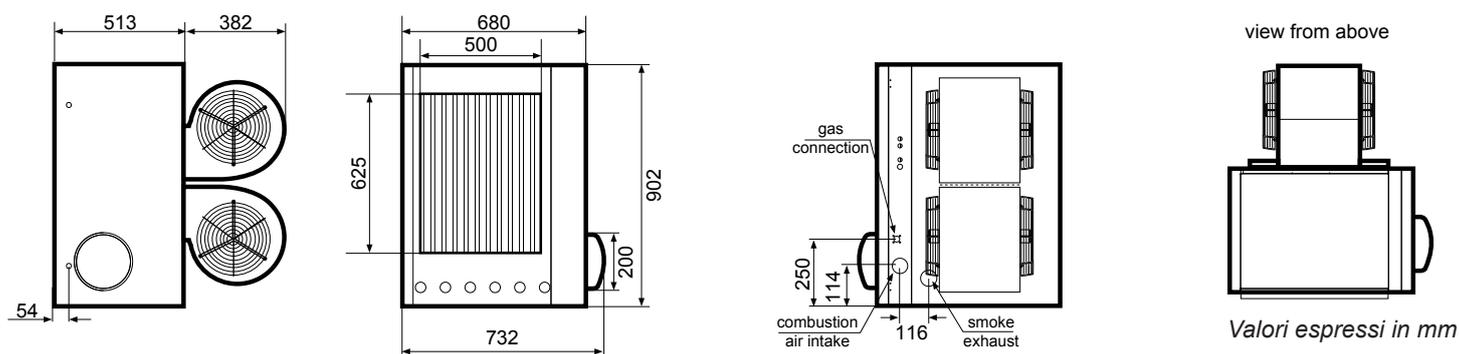
Technical data table for MEC MIX F axial hanging generators

DESCRIPTION	U.M.	MEC MIX F 50 axial	MEC MIX F 100 axial
Device category		II2H3P	
Type of appliance		B23 - C13 - C33 - C63 - C53	
Supply gas		Natural Gas - L.P.G.	
Nominal heat input	kW	48,16	96,32
Nominal heat output	kW	44,74	89,48
Gas flow rate	<i>Methane</i> m ³ /h	5,08	10,160
15°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	
LPG supply pressure G31	mbar	37	
Energy efficiency class		A	A
Gas supply diameter		G 1/2"	2 x G 1/2"
Air supply hose diameter	mm	60	1 x 130
Fume exhaust pipe diameter	mm	60	2 x 60
Power supply		230V/1/50Hz	
Max. air flow	m ³ /h	3600	7200
Min. air flow	m ³ /h	2100	4200
Rpm air fans	n.	1120	1210
Launch	m	27	27
Thermal difference max. power	°C	39,8	39,8
Sound level (5 meters)	dB(A)	48	51
Electric power	W	365	730
Fuse	A	6,3	2 x 6,3
Weight	Kg	84	160

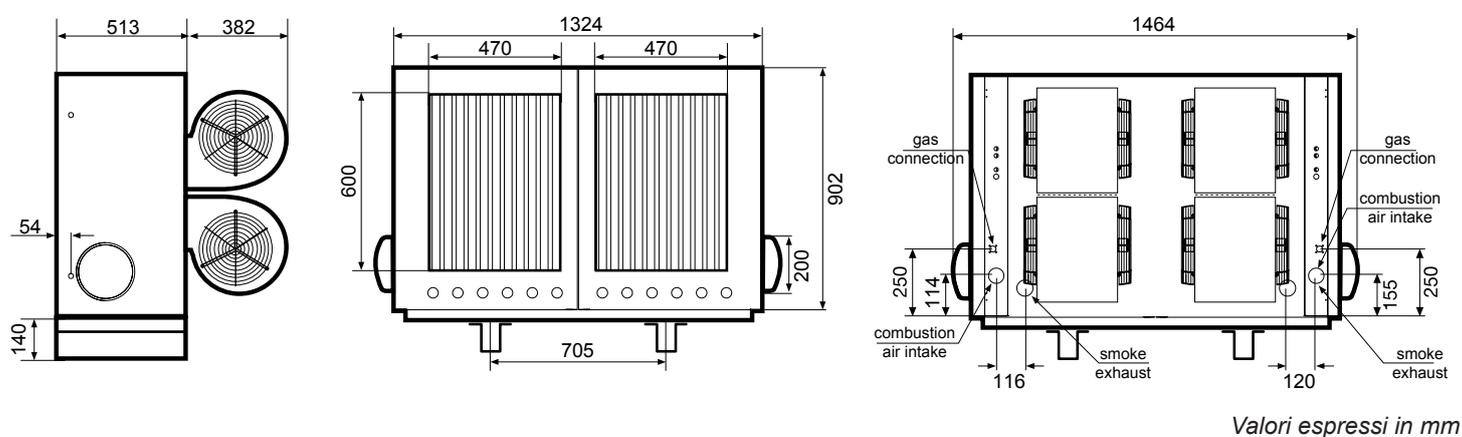
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Dimensions MEC MIX F 50 ductable with centrifugal fans



Dimensions MEC MIX F 100 ductable with centrifugal fans



Technical data table of MEC MIX F ductable wall-mounted generators

DESCRIPTION	U.M.	MEC MIX F 50 ductable	MEC MIX F 100 ductable
Device category		II2H3P	
Type of appliance		B23 - C13 - C33 - C63 - C53	
Supply gas		Natural Gas - L.P.G.	
Nominal heat input	kW	46,02	92,04
Nominal heat output	kW	43,21	86,42
Gas flow rate	<i>Methane</i> m ³ /h	4,85	9,70
15°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	
LPG supply pressure G31	mbar	37	
Energy efficiency class		B	B
Gas supply diameter		G 1/2"	2 x G 1/2"
Air supply hose diameter	mm	60	1 x 130
Fume exhaust pipe diameter	mm	60	2 x 60
Power supply		230V/1/50Hz	
Useful ventilation pressure	Pa	100	
Max. air flow	m ³ /h	3750	7500
Min. air flow	m ³ /h	2200	4400
Thermal difference max. power	°C	38,2	38,2
Sound level (5 meters)	dB(A)	52	54
Electric power	W	1050	2100
Fuse	A	10	2 x 10
Weight	Kg	94	188