

# MEC MIX C AXIAL AND DUCTED CONDENSATION

Axial and ductable suspended condensing hot air generators with modulating premixed gas burner



mod. MEC MIX C  
Axial 20/35 - 20/45



mod. MEC MIX C  
Ductable 20/35 - 20/45  
with centrifugal fans



MEC MIX C axial tandem 20/70 - 20/90  
with standard support shelf



Chronothermostat  
class 5 digital  
as standard



MEC MIX C ducted tandem 20/70 - 20/90 with centrifugal  
fans with standard support shelf



MADE  
IN ITALY



SYSTEM A  
CONDENSATION



ROOM OF  
COMBUSTION  
IN STAINLESS  
STEEL



HIGH YIELD  
104% CERTIFIED



COMMAND  
REMOTE  
STANDARD

## Technical and construction characteristics

The new hot air generators of the MEC MIX C series are an evolution of the MEC series and allow, with very high efficiency, to satisfy the room heating requests 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 above also allows to significantly improve the combustion efficiency which can reach and exceed 100% on the PCI of the fuel.

### TECHNICAL FEATURES:

- Electrical panel with the relevant pre-assembled wiring;
- Microprocessor board for burner control premixed and ionization flame control;
- Card that manages the modulation of the thermal power e of the convective air flow only for the axial version. This card also handles multiple cascading 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 robotic mig and condensation exchangers included always stainless steel;
- Stainless steel multi-gas premix burner;
- Shaped ignition and flame detection electrodes;
- Exhaust fume collection duct, with condensate drain siphon;
- 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 MEC MIX C 20/70 and 20/90 axial condensing hot air generators and the ductable MEC MIX C 20/70 and 20/90 are structurally made up of 2 mirrored hot air generators (a right MEC MIX combined with a left MEC MIX) pre-assembled on a special support shelf supplied as standard.

### TAX DEDUCTIONS AND INCENTIVES:

The Conto Termico 2.0 incentive and Ecobonus tax deduction are provided.









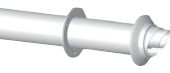




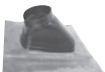
Model	Thermal input kW	Power Thermal kW	Code	€
<b>MEC MIX C 20/35 AXIAL condensing</b>	<b>19,80 ÷ 34,90</b>	<b>20,80 ÷ 34,20</b>	<b>30350000</b>	<b>4.620,00</b>
<b>MEC MIX C 20/45 AXIAL condensing</b>	<b>20,00 ÷ 45,00</b>	<b>20,90 ÷ 43,40</b>	<b>30350100</b>	<b>5.640,00</b>
<b>MEC MIX C 20/70 AXIAL condensing</b>	<b>39,60 ÷ 69,80</b>	<b>41,60 ÷ 68,40</b>	<b>30350200</b>	<b>7.560,00</b>
<b>MEC MIX C 20/90 AXIAL condensing</b>	<b>40,00 ÷ 90,00</b>	<b>41,80 ÷ 86,90</b>	<b>30350300</b>	<b>9.540,00</b>
<b>MEC MIX C 20/35 DUCTED condensation</b>	<b>19,80 ÷ 34,90</b>	<b>20,80 ÷ 34,20</b>	<b>30350001</b>	<b>7.300,00</b>
<b>MEC MIX C 20/45 DUCTED condensation</b>	<b>20,00 ÷ 45,00</b>	<b>20,90 ÷ 43,40</b>	<b>30350101</b>	<b>7.600,00</b>
<b>MEC MIX C 20/70 DUCTED condensation</b>	<b>39,60 ÷ 69,80</b>	<b>41,60 ÷ 68,40</b>	<b>30350201</b>	<b>9.800,00</b>
<b>MEC MIX C 20/90 DUCTED condensation</b>	<b>40,00 ÷ 90,00</b>	<b>41,80 ÷ 86,90</b>	<b>30350301</b>	<b>10.900,00</b>

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

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Axial and ductable suspended condensing hot air generators with modulating premixed gas burner



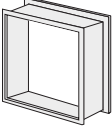
## MEC MIX C axial and ductable condensing accessories

		Code	€
	Outdoor cover box for installation MEC MIX outside the room to be air conditioned by <b>mod. MEC MIX C 20/35 and 20/45 ductable</b> Height 113 cm - Width 100 cm - Depth 97.5 cm	<b>30322213</b>	<b>1.834,00</b>
	Outdoor cover box for installation MEC MIX outside the room to be air conditioned by <b>mod. MEC MIX C 20/70 and 20/90 ductable</b> Height 113 cm - Width 165 cm - Depth 97.5 cm	<b>30345013</b>	<b>2.900,00</b>
	Digital chronothermostat	<b>STANDARD</b>	
	Weekly programming digital chronothermostat with wi-fi connectivity for remote control of hot air generators	<b>36205225</b>	<b>220,00</b>
	MEC MIX horizontal fume exhaust pipe Ø 60 length 1 m in PPs <i>n. 2 pieces for MEC MIX 20/70 axial and ductable</i> <i>n. 2 pieces for MEC MIX 20/90 axial and ductable</i>	<b>30351017</b>	<b>30,00</b>
	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>	<b>30351018</b>	<b>30,00</b>
	Extension in PPs Ø 60 M/F length 1 m	<b>30351021</b>	<b>12,00</b>
	PPs curve Ø 60 - 90° M/F	<b>30351025</b>	<b>10,00</b>
	PPs curve Ø 60 - 45° M/F	<b>30351024</b>	<b>10,00</b>
	Splitter mod. MEC MIX to convey fume exhaust and air intake on coaxial Ø 60/100 <i>n. 2 pieces for MEC MIX 20/70 axial and ductable</i> <i>n. 2 pieces for MEC MIX 20/90 axial and ductable</i>	<b>mod. assiale 30351026</b> <b>mod. canalizzabile 30351027</b>	<b>100,00</b> <b>105,00</b>
	Coaxial fume intake/exhaust pipe in PPs complete with terminal drain and wall rosettes in EPDM Ø 60/100 Length 1 m <i>n. 2 pieces for MEC MIX 20/70 axial and ductable</i> <i>n. 2 pieces for MEC MIX 20/90 axial and ductable</i>	<b>30351015</b>	<b>60,00</b>
	Coaxial extension in PPs Ø 60/100 M/F length 1 m	<b>30403002</b>	<b>28,00</b>
	Coaxial bend in PPs Ø 60/100 - 90° M/F	<b>30403004</b>	<b>38,00</b>
	Coaxial bend in PPs Ø 60/100 - 45°	<b>30403003</b>	<b>30,00</b>
	Roof terminal coaxial in PPs Ø 60/100	<b>30403014</b>	<b>144,00</b>
	Lead base inclined headlamp	<b>30351010</b>	<b>70,00</b>

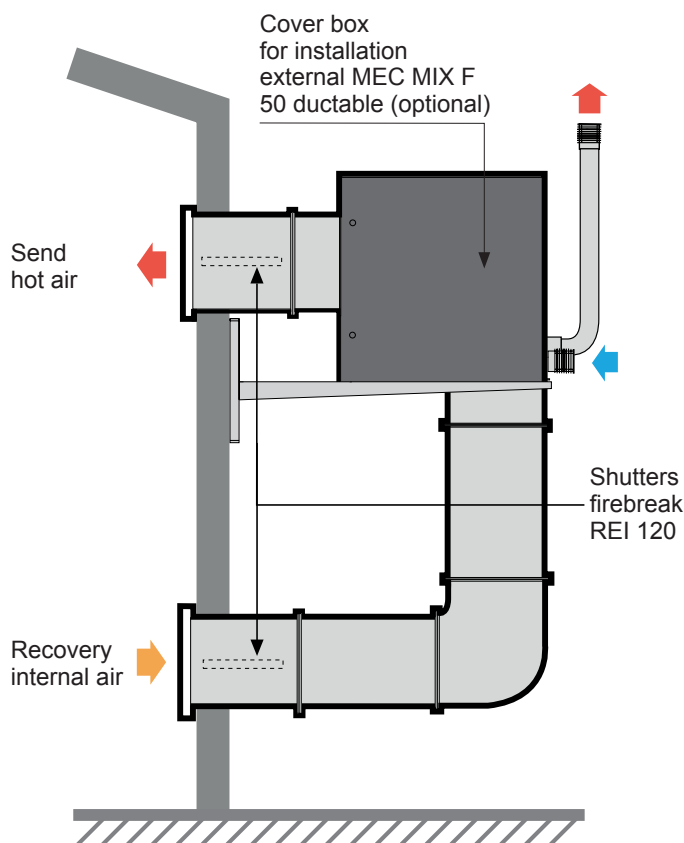
# MEC MIX C AXIAL AND DUCTED CONDENSATION

Axial and ductable suspended condensing hot air generators with modulating premixed gas burner

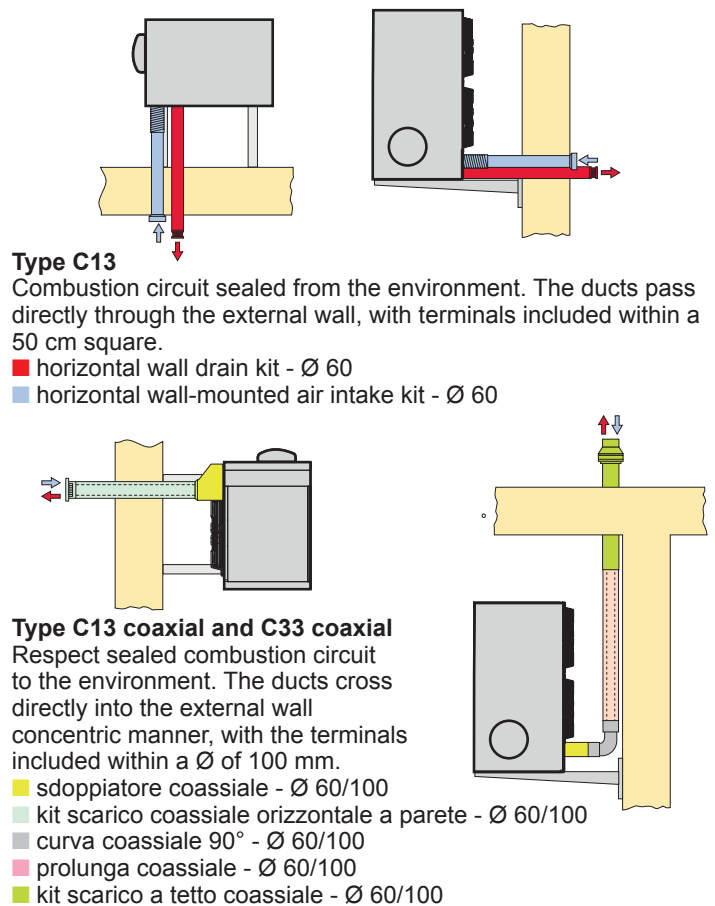
## MEC MIX C axial and ductable condensing accessories

		Code	€
	Support shelf MEC MIX 20/3 and 20/45 axial and ductable	<b>mod. indoor installation</b>	<b>30350090 120,00</b>
		<b>mod. outdoor installation</b>	<b>30350091 150,00</b>
	Air delivery grille double order of adjustable fins	<b>mod. internal axial 20/35 - 20/45</b>	<b>30322211 220,00</b>
		<b>mod. ducting outdoor 20/35 - 20/45</b>	<b>30322214 260,00</b>
		<b>mod. internal axial 20/70 - 20/90</b>	<b>30322212 440,00</b>
	Connection channel for air delivery MEC MIX C 20/35 and 20/45 ductable for installation outside the room to be air conditioned	<b>30322224</b>	<b>150,00</b>

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

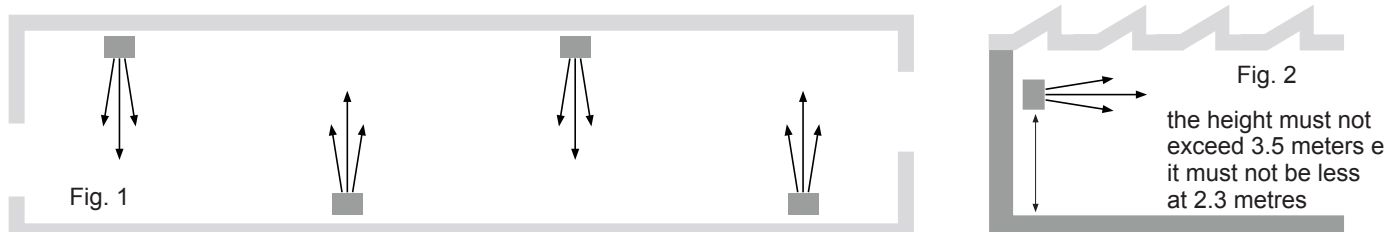


## Examples of MEC MIX C axial installation inside the building to be air conditioned



## Example of MEC MIX C installation for better heat distribution

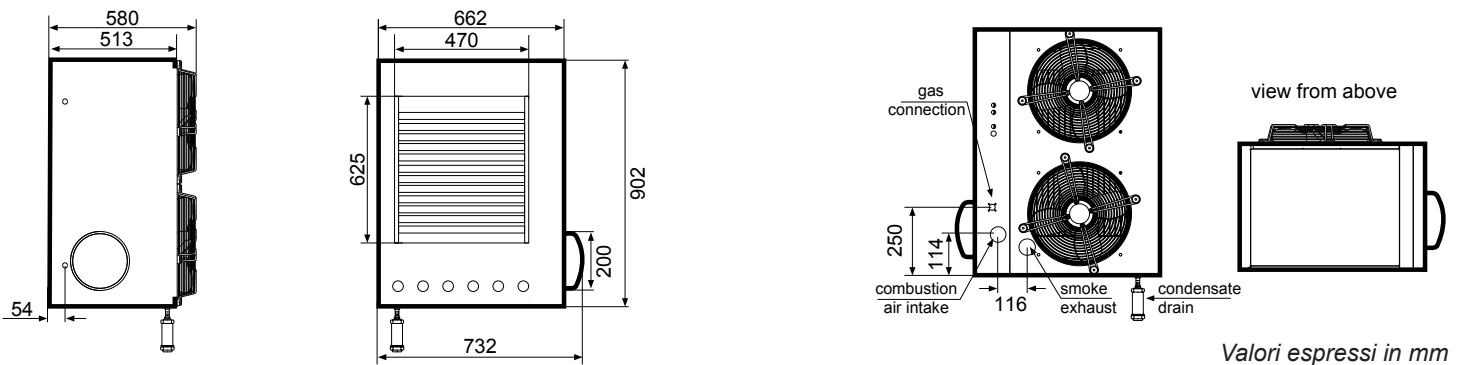
For better heat distribution, in the case of installation with multiple machines, create alternating flows of hot air (see Fig. 1) In some cases it may also be appropriate to place the devices near doors so that they also perform the function of an air barrier when the doors are opened. Installation 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)



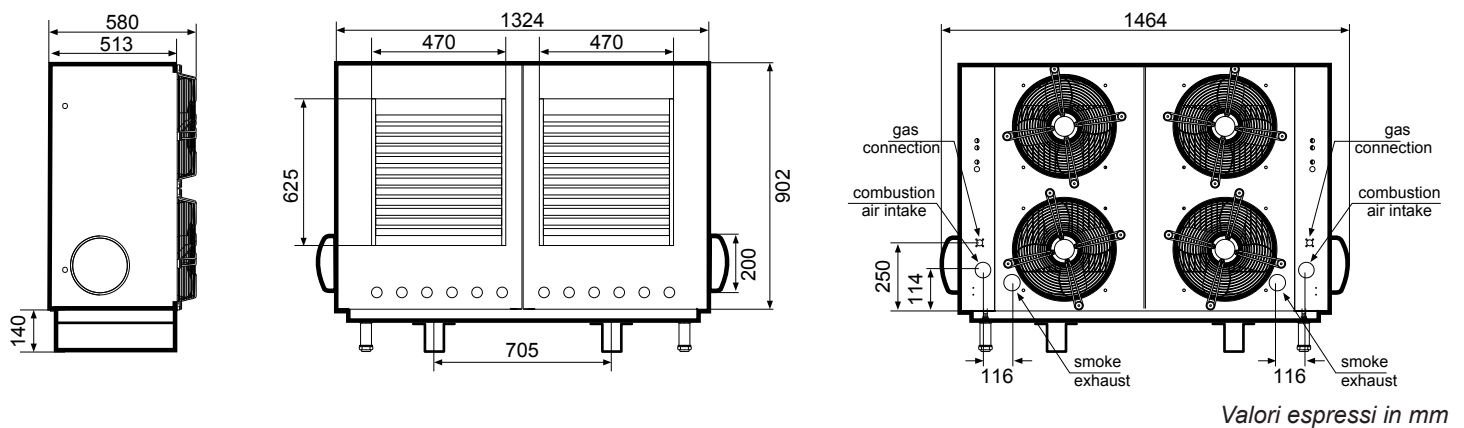
# MEC MIX C AXIAL AND DUCTED CONDENSATION

Axial and ductable suspended condensing hot air generators with modulating premixed gas burner

## Dimensions MEC MIX C 20/35 - 20/45 condensing with axial fans



## Dimensions MEC MIX C 20/70 - 20/90 condensing with axial fans



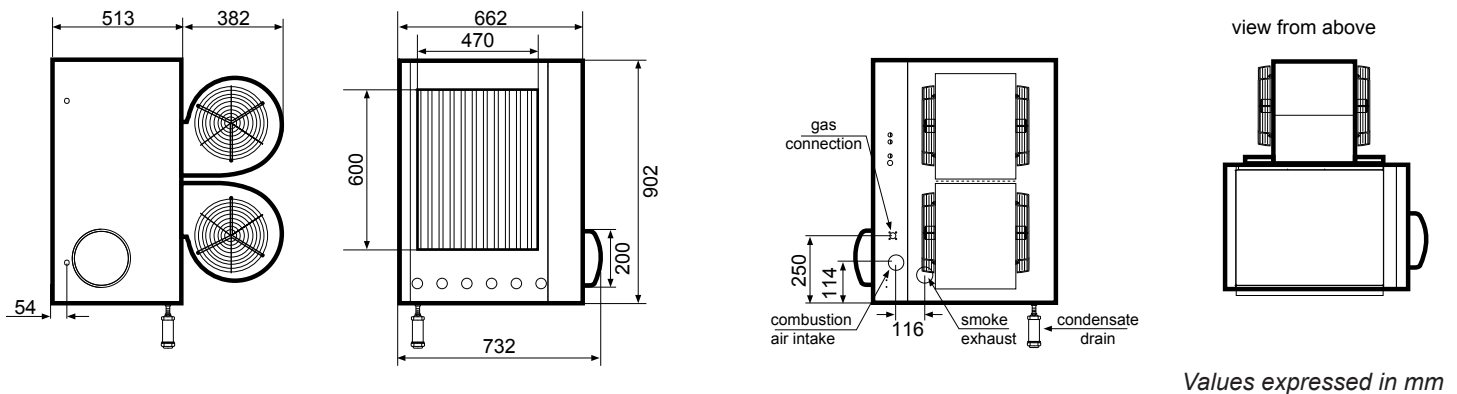
## Technical data table for MEC MIX C axial condensing wall-mounted generators

DESCRIPTION	U.M.	MEC MIX C 20/35 A	MEC MIX C 20/45 A	MEC MIX C 20/70 A	MEC MIX C 20/90 A
Device category		II2H3P			
Type of appliance		B23 - C13 - C33 - C63 - C53			
Supply gas		Gas Naturale - G.P.L.			
Nominal heat input	kW	34,93	42,64	70,06	85,28
Min. heat input	kW	20,62	19,54	20,62	19,54
Nominal heat output	kW	33,77	40,80	67,54	81,60
Min. heat output	kW	20,20	19,16	20,20	19,16
Maximum condensation produced	l/h	3,9	4,3	7,8	8,6
Pot. gas flow rate max	<i>Methane 20 mbar</i> m <sup>3</sup> /h	3,69	4,50	7,40	9,00
15°C-1.013 mbar	<i>Propane 37 mbar</i> kg/h	2,71	3,49	5,40	7,00
Pot. gas flow rate min.	<i>Methane 20 mbar</i> m <sup>3</sup> /h	2,17	2,06	2,17	2,06
15°C-1.013 mbar	<i>Propane 37 mbar</i> kg/h	1,55	1,55	1,55	1,55
Nominal efficiency at maximum flow rate	%	96,5	95,7	96,5	95,7
Energy efficiency class		A	A	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 <sup>3</sup> /h	3600	3600	7200	7200
Min. air flow	m <sup>3</sup> /h	2100	2100	4200	4200
Rpm air fans	n.	1210	1210	1210	1210
Launch	m	27	27	27	27
Thermal difference max. power	°C	28,4	36,1	28,4	36,1
Thermal difference min. power	°C	29,6	29,8	29,6	29,8
Sound level (5 meters)	dB(A)	48	48	51	51
Electric power	W	365	365	730	730
Fuse	A	6,3	6,3	2 x 6,3	2 x 6,3
Weight	Kg	84	84	160	160

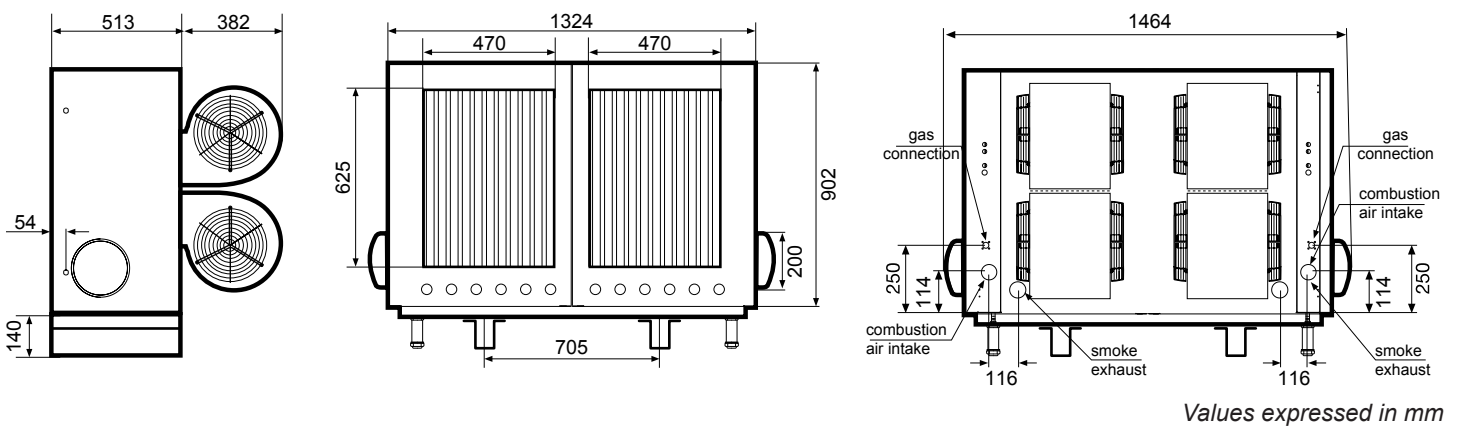
# MEC MIX C AXIAL AND DUCTED CONDENSATION

Axial and ductable suspended condensing hot air generators with modulating premixed gas burner

## Dimensions MEC MIX C 20/35 - 20/45 condensing with centrifugal fans



## Dimensions MEC MIX C 20/70 - 20/90 condensing with centrifugal fans



## Technical data table of MEC MIX C ductable condensation wall-mounted generators

DESCRIPTION	U.M.	MEC MIX C 20/35 C	MEC MIX C 20/45 C	MEC MIX C 20/70 C	MEC MIX C 20/90 C
Device category		II2H3P			
Type of appliance		B23 - C13 - C33 - C63 - C53			
Supply gas		Gas Naturale - G.P.L.			
Nominal heat input	kW	34,95	43,22	70,56	86,44
Min. heat input	kW	20,09	20,13	20,09	20,13
Nominal heat output	kW	34,22	41,49	68,44	82,98
Min. heat output	kW	19,59	19,64	19,59	19,64
Maximum condensation produced	l/h	3,9	4,3	7,8	8,6
Pot. gas flow rate max. Methane 20 mbar	m <sup>3</sup> /h	3,69	4,56	7,40	9,11
15°C-1.013 mbar Propane 37 mbar	kg/h	2,71	3,49	5,42	6,99
Pot. gas flow rate min. Methane 20 mbar	m <sup>3</sup> /h	2,12	2,12	4,22	4,24
15°C-1.013 mbar Propane 37 mbar	kg/h	1,55	1,55	3,10	3,11
Nominal efficiency at maximum flow rate	%	97,0	96,0	97,0	96,0
Energy efficiency class		A	A	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			
Useful ventilation pressure	Pa	100			
Max. air flow	m <sup>3</sup> /h	3700	3750	7400	7500
Min. air flow	m <sup>3</sup> /h	2200	2200	4400	4400
Thermal difference max. power	°C	27,7	34,7	27,7	34,7
Thermal difference min. power	°C	28,3	28,4	28,3	28,4
Sound level (5 meters)	dB(A)	52	52	54	54
Electric power	W	1050	1050	2100	2100
Fuse	A	10	10	2 x 10	2 x 10
Weight	Kg	93	94	185	188