

Wall-mounted air heaters

MEC

for indoor installation

Wall-mounted **MEC** air heaters are the best available on the market, in terms of both performance and reliability. These units meet all harmonised European standards and regulations thanks to thorough in-depth testing - including aging tests - thus making this the best family of wall-mounted air heaters on the market in terms of safety, performance and reliability. These air heaters are independent wall-mounted units that do not require any central heat generators, water mains and duct systems.

MEC air heating systems make it possible to create modular systems made up of one or more units in order to meet a wide range of heating requirements: from small areas such as workshops to large areas such as industrial buildings, warehouses, churches, sports centres. As specified by law, in the installation of such air heaters as type C units (air-tight and sealed off from the area of installation) the intake duct and exhaust flue - including the corresponding terminals - are considered as parts of the air heater itself. Therefore when ordering the unit, these parts must be requested too. Accorroni s.r.l. guarantees their compliance and performance.



Model **MEC 20-30 DP** is supplied standard with the **remote control panel**, which is available as an accessory on request for the other models.

Model		nominal thermal power		thermal power		
		kW	kcal/h	kW	kcal/h	
MEC 25	code 30120000	25.0	21.500	22.9	1,700	1.930.00
MEC 35	code 30220000	34.8	29.900	31.9	27,400	2.020.00
MEC 20-30 DP	code 30020000	20.0 - 30.0	17,200 - 25,800	17.5 - 27.5	15,050 - 23,650	2.220.00
MEC 50	code 30270000	50.0	43,000	45.3	38,960	2.840.00
MEC 57	code 30320000	57.0	49,000	51.6	44,380	2.960.00
MEC 85	code 30370000	85.0	73,100	75.6	65,050	4.340.00

MEC air heaters are easy and inexpensive to install. There is no hydraulic circuit. Therefore there is no risk of the water freezing and builders' work is reduced to a minimum. No central heat generator and no dedicated space for a central heat generating system are required. Moreover, since **MEC** generators are quickly installed, the area to be heated is out of commission for a brief period of time. In addition, these units reach operating temperature quickly and this translates into a significant reduction in fuel consumption. **MEC 20-30 DP** is particularly suited to heating churches. The double power mode lets you quickly heat the area at maximum power, while the minimum setting lets you maintain the temperature with minimum noise and fuel consumption.

- Extremely safe: stainless steel combustion chamber, heat exchanger and faned flue
- Very silent: well-designed ventilation profiles
- Highly performing: over 90% IMQ and ITALGAS certified
- Five-year warranty (combustion chamber, burner and heat exchanger)

Thermal efficiency
guaranteed
over 90%



Examples of installations

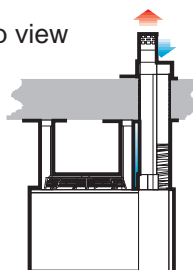
Tipo C12

The combustion circuit is air-tight and sealed off from the environment. The ducts cross the outside wall directly, with terminals included inside a square (side = 50 cm).

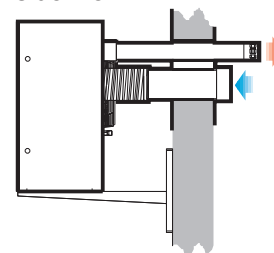
Installation includes the following accessories:

- horizontal wall exhaust kit
- air intake kit

top view



side view

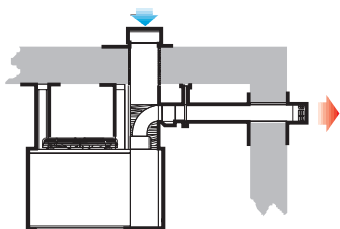


Tipo C52

The combustion circuit is air-tight and sealed off from the environment. Both ducts are connected to the outside, but their terminals may be situated on different walls of the room.

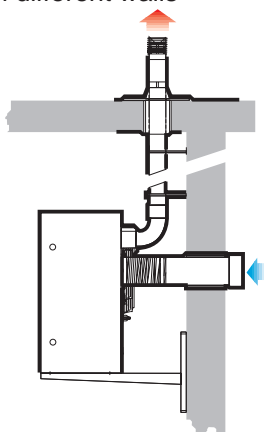
Installation is carried out by using the following accessories:

- horizontal wall exhaust kit
- air intake kit
- 90 °elbow Ø 80 with condensate drain
- roof exhaust terminal kit
- duct length 1 m Ø 80 cod. 37800035
- lead tile cod. 37503000



Top view of installation of **MEC 25**

Terminals are far away from each other and are situated on different walls



Side view of installation of **MEC 25**

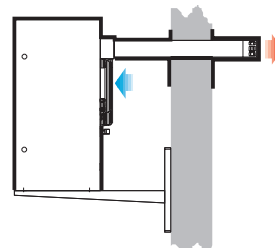
Wall intake and exhaust duct beyond building roof

Tipo B22

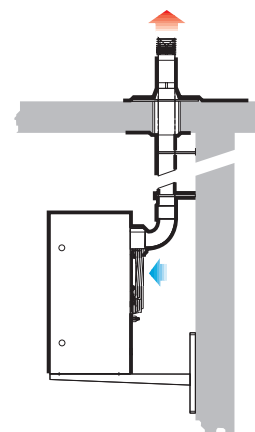
Open combustion circuit with combustion air intake from inside the environment. In this case suitable wall openings must guarantee that combustion air is properly supplied (see standards UNI-CIG 7129 and 7131, Italian Ministry of the Interior's Fire Protection Regulations)

Installation is carried out by using the following accessories:

- 90 °elbow Ø 80 with condensate drain
- roof exhaust terminal kit
- duct length 1 m Ø 80 cod. 37800035
- lead tile cod. 37503000



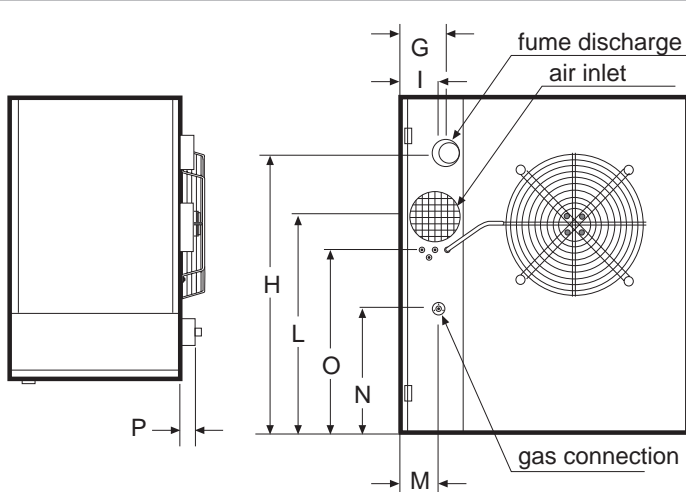
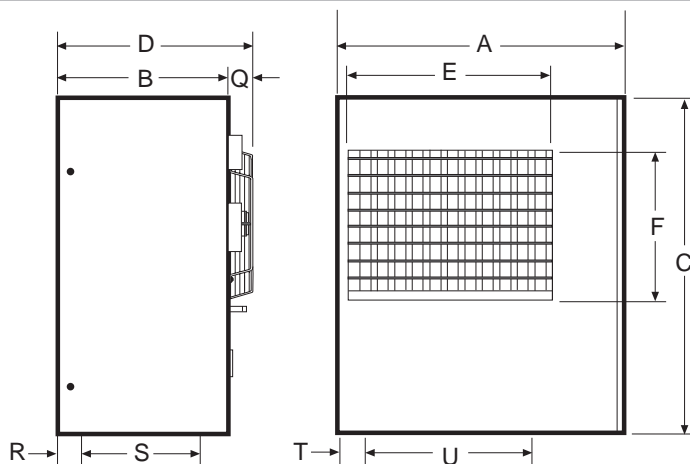
Side view of installation of **MEC 25**



Side view of installation of **MEC 25**

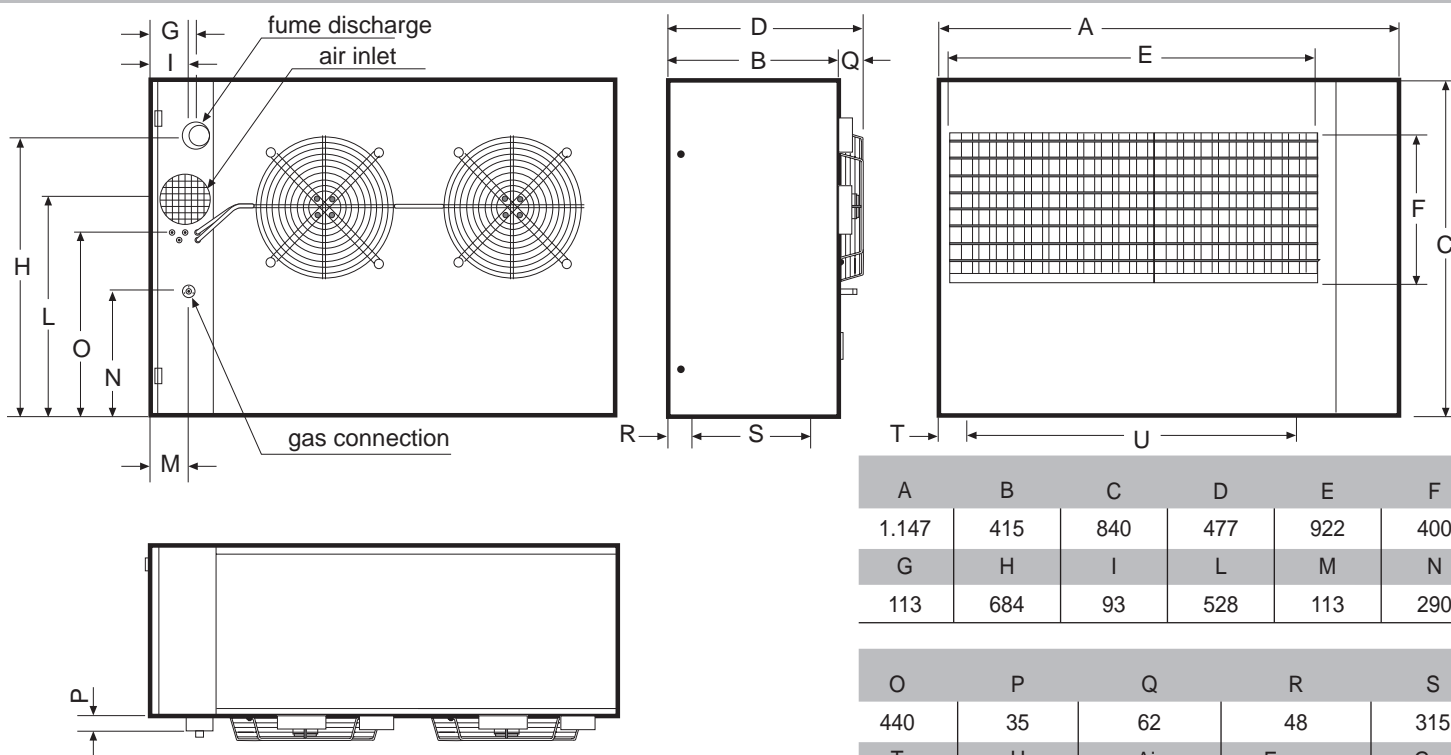
Vertical exhaust duct beyond building roof

Models MEC 25 - 35 - 20/30 DP with axial fans

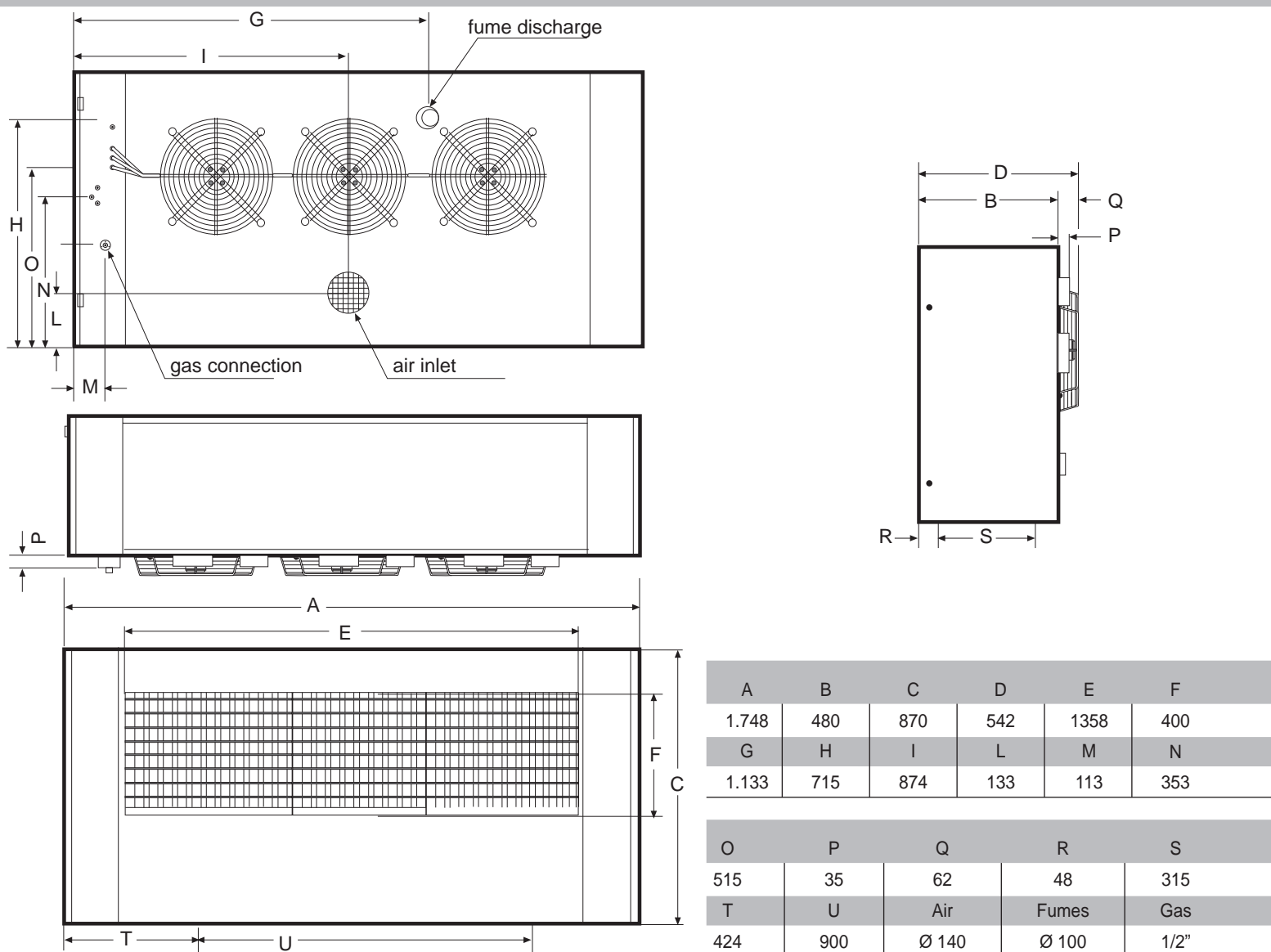


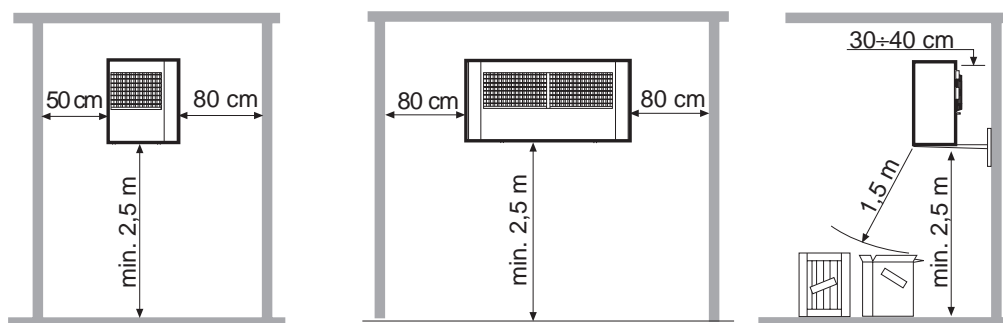
A	B	C	D	E	F	G	H	I	L	M
695	415	840	477	470	400	120	695	93	528	113
N	O	P	Q	R	S	T	U	Air	Fumes	Gas
283	440	35	62	48	315	76	398	Ø 140	Ø 80	1/2"

Models MEC 50 - 57 with axial fans



Model MEC 85 with axial fans



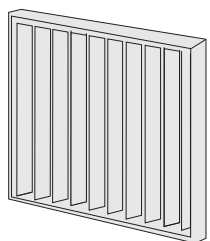


Accessories



remote control with the following functions:
on/off switch, electronic room thermostat,
on and lockout warning lights, reset button,
summer fan function

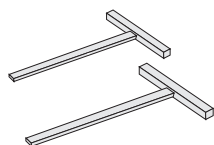
cable 4 m code 30170010	124.00
cable 10 m code 30170015	140.00



additional air delivery grate
with adjustable
vertical fins

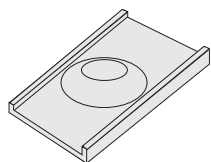
model

25+35 code 30171501	73.00
50+57 code 30321501	119.00
85 code 30371501	140.00



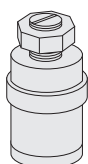
support shelves
model 2585
cod. 30170085

73.00



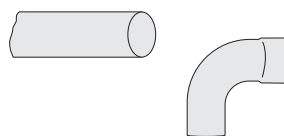
lead tile
cod. 37503000

68.00



plug for fume uptake hole
cod. 30170057

7.00



ducts and elbows to
extend the exhaust kit
(Ø 80 MEC 25+35)
(Ø 100 MEC 50+85)

duct m 1

Ø 80 code 37800035	47.00
Ø 100 code 37800050	52.00

elbow 90°

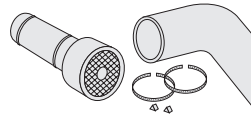
Ø 80 code 37800030	42.00
Ø 100 code 37800031	42.00

elbow 45°

Ø 80 code 37800032	42.00
Ø 100 code 37800034	42.00

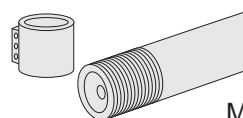
elbow with condensate drain

Ø 80 code 37800037	47.00
Ø 100 code 37800039	52.00



air intake kit including:
Ø 140 duct, length 50 cm with outside terminal;
flexible Ø 140 pipe, length 3 m; 2 pipe clamps;
plug for combustion air intake hole 2585
code 30170040

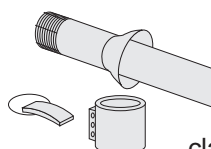
62.00



horizontal wall exhaust kit including:
exhaust duct (Ø 80 MEC 2535; Ø 100
MEC 5085), length 100 cm; connection
clamp with gasket; outside terminal

model

25+35 code 30170050	57.00
50+85 code 30320050	78.00



roof exhaust terminal kit including:
exhaust duct (Ø 80 MEC 2535; Ø 100
MEC 5085), length 100 cm; connection
clamp with gasket; outside terminal, plastic
sealing cap fit with gasket and clamp

model

25+35 code 30170055	107.00
50+85 code 30320055	124.00

Safety thermostat

Heat exchanger

Adjustable louvres

Pressure switch



Fume extractor

Combustion air inlet

Electronic equipment

Gas solenoid valve

Burner

Description			25	20-30 DP	35	50	57	85
Gas flow min-max (15 °C-1.013 mbar)	Methane G20	m³/h	2.65	2.12 - 3.17	3.70	5.29	6.03	9.00
	Butane G30	kg/h	1.97	1.58 - 2.37	2.76	3.94	4.49	6.70
	Propane G31	kg/h	1.94	1.55 - 2.32	2.71	3.88	4.42	6.60
Gas pressure at burner (15 °C-1.013 mbar)	G20 p 20 mbar	mbar	10.0	4.5 - 10.0	12.0	10.4	10.5	11.0
	G30 p 28-30 mbar	mbar	27.7	11.0 - 24.0	27.4	24.2	24.2	25.0
	G31 p 37 mbar	mbar	36.5	13.0 - 32.0	36.0	32.5	32.5	32.5
Diameter of nozzles	G20	mm/100	310	340	350	350	370	400
	G30/G31	mm/100	175	205	210	185/240	220	240
Diameter gas inlet		“	G 1/2					
Diameter air inlet		mm	140					
Diameter of fume flue		mm	80			100		
Powersupply			230 V~/1/50/ Hz					
Air flow		m³/h	2.100	1.500 - 2.300	2.500	4.600	5.000	7.400
Revolution per minute		n°	1.095	800 - 1.215	1.370	1.260	1.350	1.335
Range		m	16	13 - 18	22	18	22	22
Thermal head		°C	33	34.5 - 35	37	30	31	30
Noise level (a 5 m)		db(A)	45	45 - 47.5	50.5	50.5	54	55.5
Electrical power		W	175	215	215	380	400	530
Fuse		A	4					
Net weight		kg	64	66	64	106		180

