

# Wall-mounted air heaters

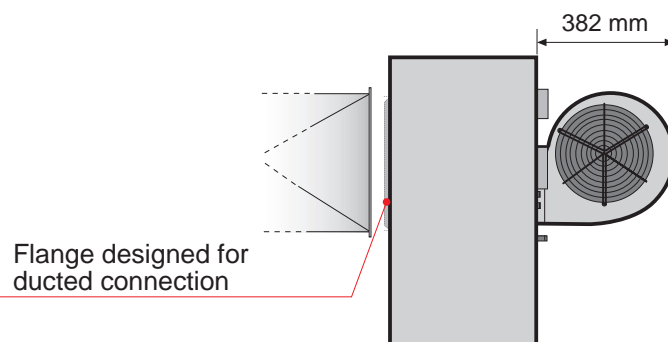
## MEC C

for ducted installation

**MEC C** wall-mounted air heaters are based on the corresponding **MEC** series models. They have the same thermal/ventilation characteristics, except that their centrifugal fans achieve higher effective static air flow pressure. 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. All **MEC C** air heaters are manufactured for indoor installation, whether they are to be used in central heat generating systems or for other purposes (i.e. direct room heat production). **MEC C** heaters can be used in the following situations:

- inside rooms where air distribution proves difficult or where there are obstacles such as dividing walls, shelving or cumbersome machinery impeding proper diffusion and requiring air ducting;
- in special heat generating systems, when regulations in force do not permit installation inside the area to be heated because of the activities performed or the nature of the materials contained therein. **MEC C** units are also suitable when the intake duct requires a filter and/or when ducted intake of outside air is required.

The only measurement that differs between the **MEC C** and **MEC** models is the size of the centrifugal fan, as shown in the figure.



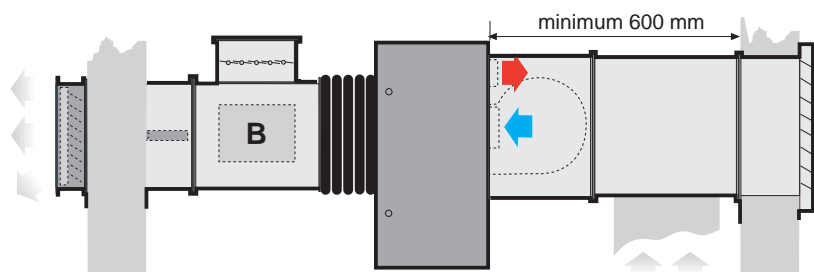
Model		nominal thermal power		thermal power		
		kW	kcal/h	kW	kcal/h	
<b>MEC 35 C installation with ducts</b>	<b>code 30230000</b>	<b>34.8</b>	<b>29,900</b>	<b>31.9</b>	<b>27,400</b>	<b>2.180.00</b>
<b>MEC 57 C installation with ducts</b>	<b>code 30330000</b>	<b>57.0</b>	<b>49,000</b>	<b>51.6</b>	<b>44,380</b>	<b>3.360.00</b>
<b>MEC 85 C installation with ducts</b>	<b>code 30380000</b>	<b>85.0</b>	<b>73,100</b>	<b>75.6</b>	<b>65,050</b>	<b>4.900.00</b>

Side view of a **MEC 35 C** installation inside a heating generating system (\*).

Ducted air delivery by insertion of vibration damper, duct with air ejection gate (\*\*), fire barrier air lock REI 120, air delivery grate with double row of adjustable fins, inside/outside air intake. Installation includes the following accessories:

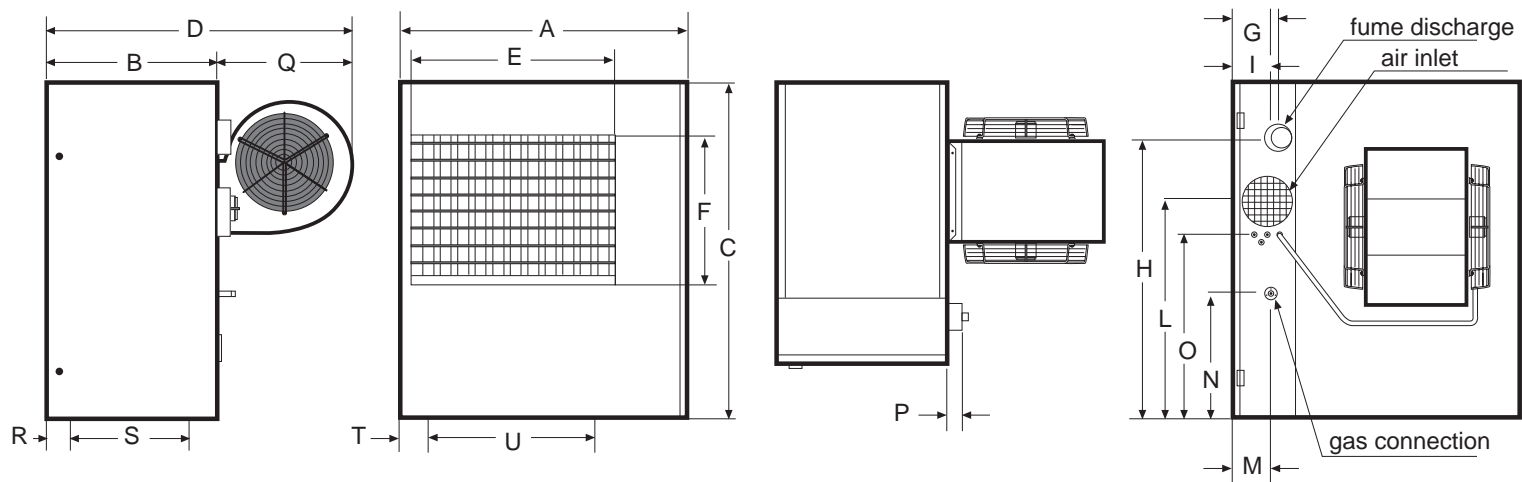
- vibration damper for ducting
- duct with air ejection gate
- connection duct for air intake
- fire barrier air lock REI 120
- air delivery grate with double row of adjustable fins

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



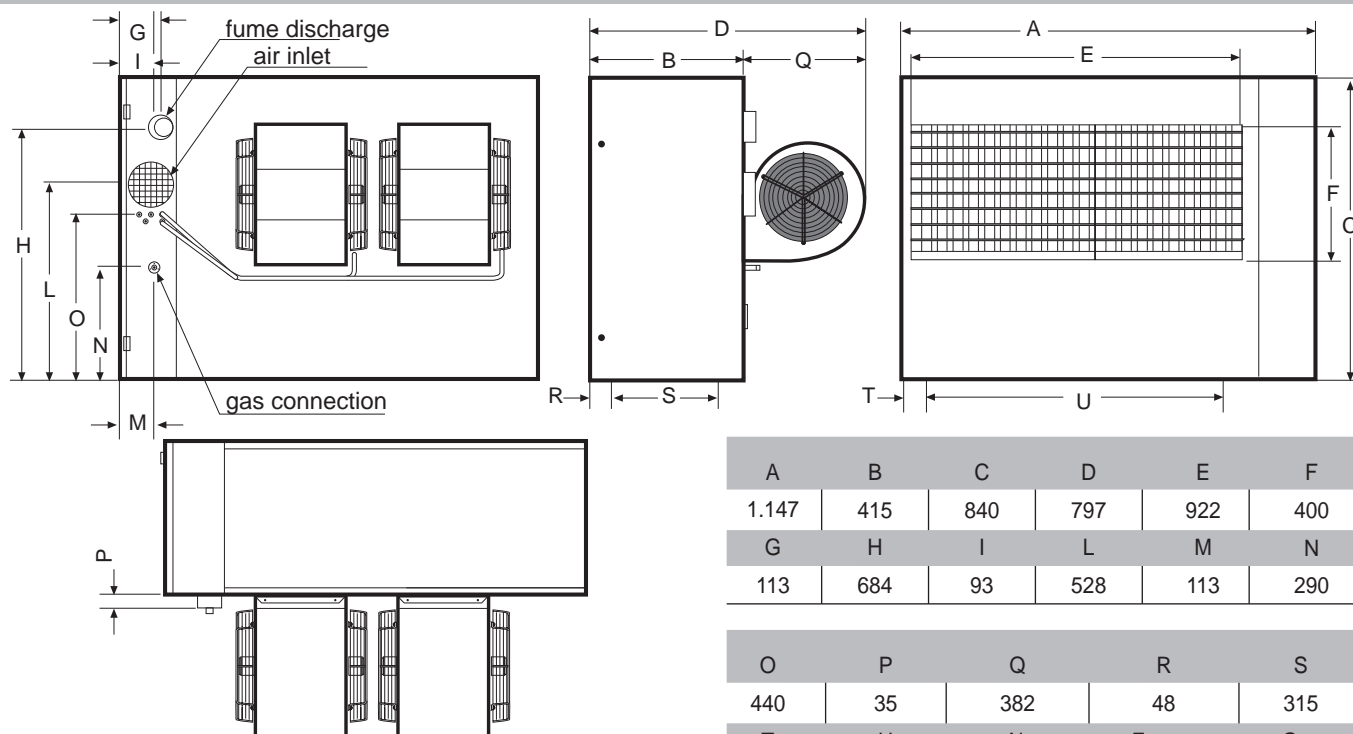
(\*) When **MEC C** is installed inside a heat generating system, support shelves supplied as an accessory cannot be used  
 (\*\*) delivery duct "B" - where the air ejection gate is situated - is designed for side gate application too (see broken line)

## Model MEC 35 C with centrifugal fan



A	B	C	D	E	F	G	H	I	L	M
695	415	840	797	470	400	120	695	93	528	113
N	O	P	Q	R	S	T	U	Air	Fumes	Gas
283	440	35	382	48	315	76	398	Ø 140	Ø 80	1/2"

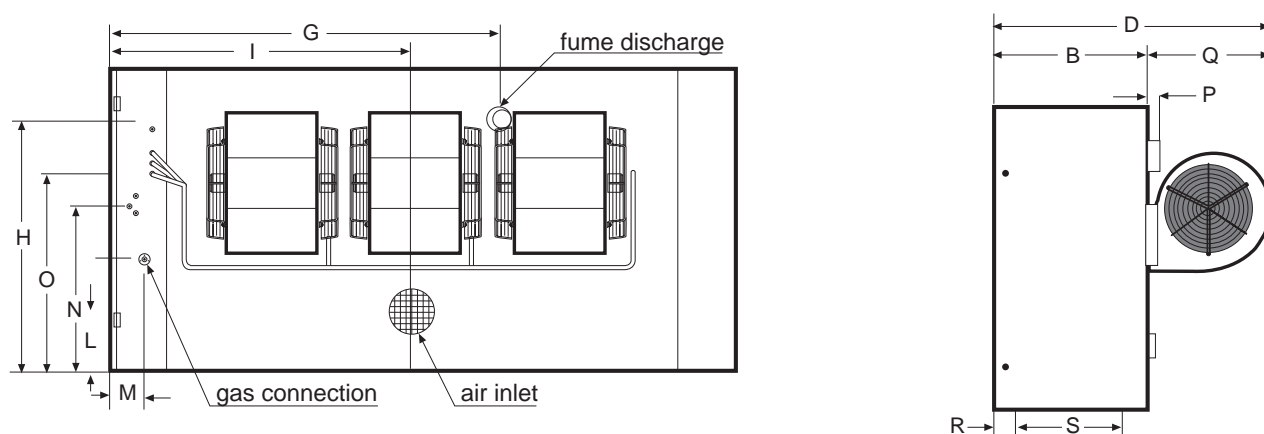
## Model MEC 57 C with centrifugal fans

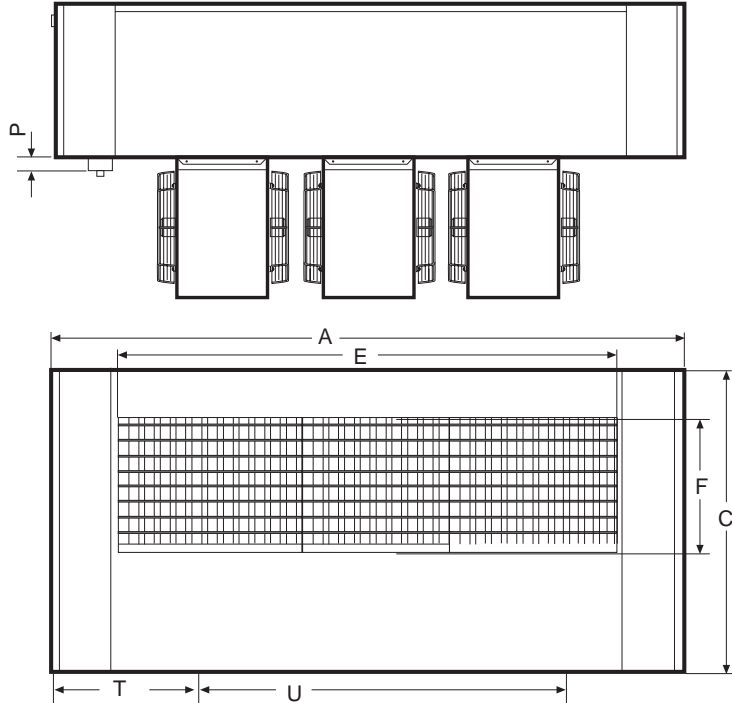


A	B	C	D	E	F
1.147	415	840	797	922	400
G	H	I	L	M	N
113	684	93	528	113	290

O	P	Q	R	S
440	35	382	48	315
T	U	Air	Fumes	Gas
81	840	Ø 140	Ø 100	1/2"

## Model MEC 85 C with centrifugal fans

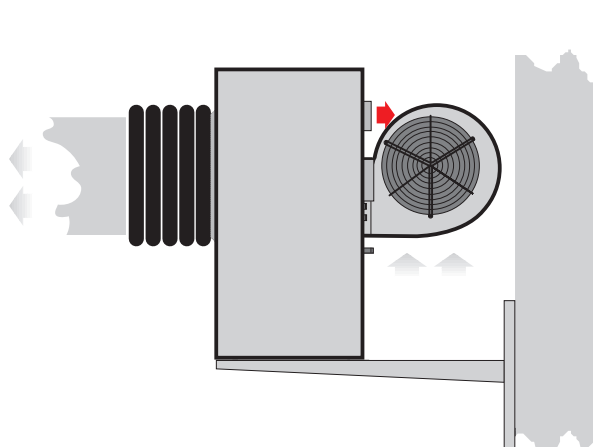
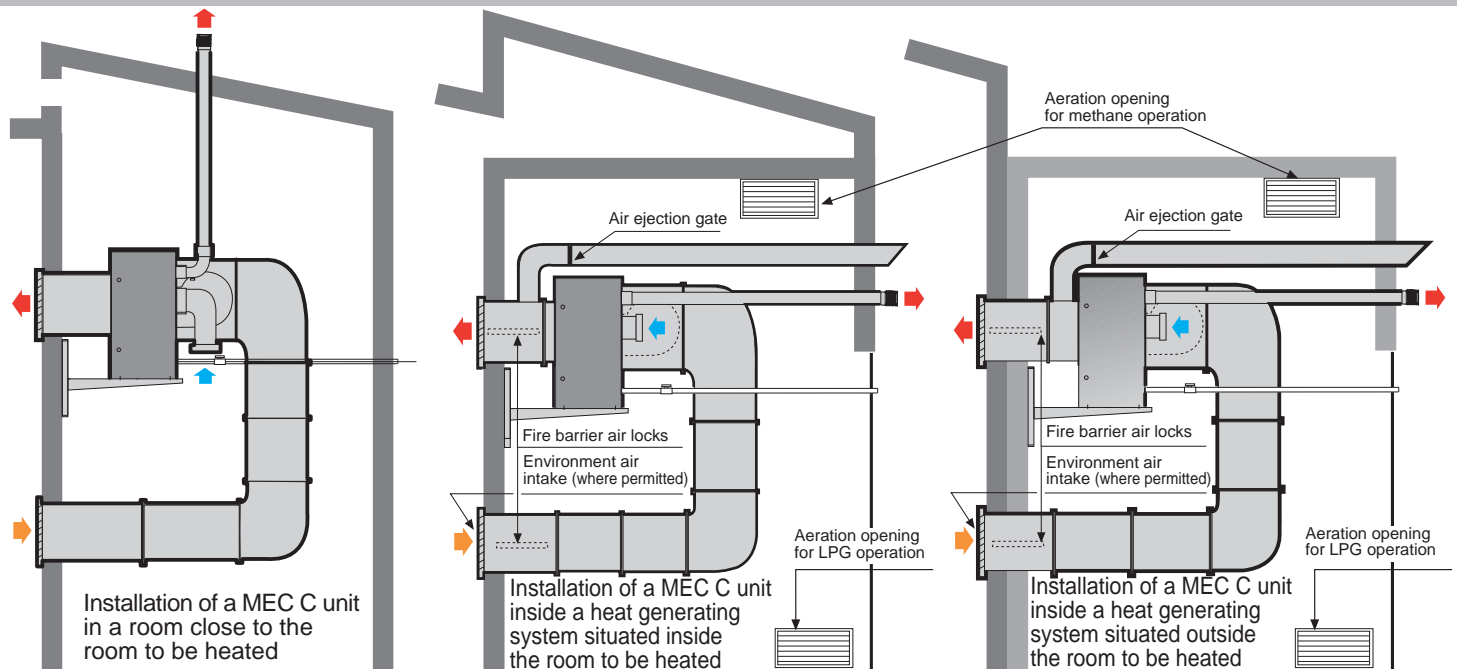




A	B	C	D	E	F
1.748	480	870	862	1358	400
G	H	I	L	M	N
1.133	715	874	133	113	353

O	P	Q	R	S
515	35	382	48	315
T	U	Air	Fumes	Gas
424	900	Ø 140	Ø 100	1/2"

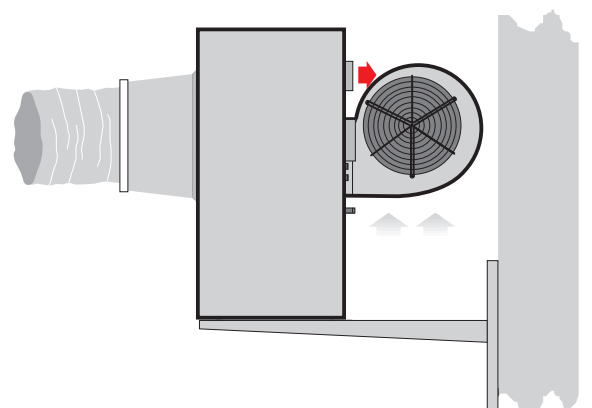
## Examples of installations



Side view of a **MEC 35 C** unit installed inside the room with ducted air delivery, insertion of vibration damper and total inside air intake. Installation carried out by using the following accessories:

- vibration damper for ducting
- support shelf

**N.B.** Kits and accessories to extend intake of combustion air intake and discharge of combustion residual products are the same as series **MEC**.



Side view of a **MEC 35 C** unit installed with application of connection opening for perforated polyethylene pipe. Installation carried out by using the following accessories:

- circular connection opening for air delivery polyethylene duct
- perforated polyethylene pipe Ø 400 mm, length 25 m
- support shelf

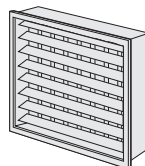


remote control with the following functions:  
on/off switch, electronic room thermostat,  
on and lockout warning lights,  
reset button, summer fan function

cable 4 m code 30170010  
cable 10 m code 30170015

124.00

140.00



air delivery grate with double  
row of adjustable fins

**model**

35 code 30172210

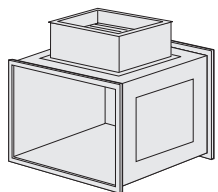
145.00

57 code 30322210

223.00

85 code 30372210

357.00



duct with air ejection gate to be  
combined with fire barrier  
air lock for installation  
in heat generating system

**model**

35 code 30172225

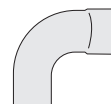
192.00

57 code 30322225

233.00

85 code 30372225

233.00



ducts and elbows to  
extend the exhaust kit  
(Ø 80 MEC 35)  
(Ø100 MEC 57÷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

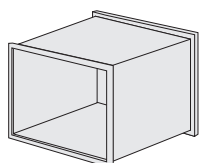
**elbow with  
condensate drain**

Ø 80 code 37800037

47.00

Ø 100 code 37800039

52.00



connection duct for air intake

**model**

35 cod. 30172221

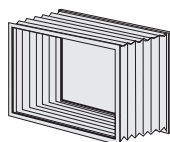
73.00

57 cod. 30322221

104.00

85 cod. 30372221

130.00



vibration damper for ducting

**model**

35 code 30172230

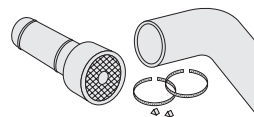
114.00

57 code 30322230

171.00

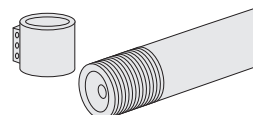
85 code 30372230

197.00



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 35÷85  
code 30170040

62.00



horizontal wall exhaust kit including:  
exhaust duct (Ø 80 MEC 35; Ø100  
MEC 57÷85), length 100 cm;  
connection  
clamp with gasket;  
outside terminal

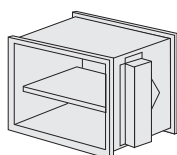
**model**

25÷35 code 30170050

57.00

50÷85 code 30320050

78.00



fire barrier air lock  
REI 120 for ducting

**model**

35 cod. 30172210

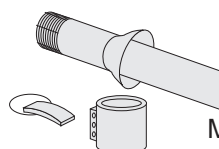
512.00

57 cod. 30322210

620.00

85 cod. 30372210

724.00



roof exhaust terminal kit including:  
exhaust duct (Ø 80 MEC 35; Ø100  
MEC 57÷85), length 100 cm; connection  
clamp with gasket; outside terminal, plastic  
sealing cap fit with gasket and clamp

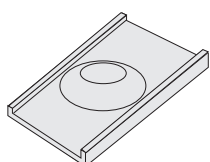
**model**

25÷35 code 30170055

107.00

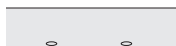
50÷85 code 30320055

124.00



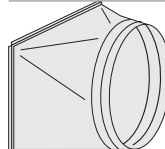
lead tile  
cod. 37503000

68.00



perforated polyethylene pipe Ø 400 mm  
length 25 m  
when ordering the pipe for MEC 85 specify two openings  
code 10152205

197.00



circular connection opening  
for air delivery polyethylene duct

model

35 code 30170065

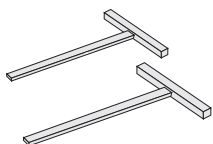
176.00

57 code 30320065

236.00

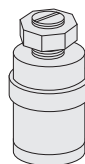
85 (n.2 openings) Cod. 30370065

300.00



support shelves  
code 30150090

73.00



plug for fume uptake hole  
cod. 30170057

7.00

Description			35	57	85
Gas flow min-max (15 °C-1.013 mbar)	Methane G20	m³/h	3.70	6.03	9.00
	Butane G30	kg/h	2.76	4.49	6.70
	Propane G31	kg/h	2.71	4.42	6.60
Gas pressure at burner (15 °C-1.013 mbar)	G20 p 20 mbar	mbar	12.0	10.5	11.0
	G30 p 28-30 mbar	mbar	27.4	24.2	25.0
	G31 p 37 mbar	mbar	36.0	32.5	32.5
Diameter of nozzles	G20	mm/100	350	370	400
	G30/G31	mm/100	210	220	240
Diameter of gas inlet		“	G 1/2		
Diameter of air inlet		mm	140		
Diameter fume flue		mm	80	100	
Power supply			230 V~ /1/50/ Hz		
Air flow		m³/h	2.500	5.000	7.300
Revolutions per minute		n°	930	930	950
Effective pressure		Pa	80	80	80
Thermal head		°C	37	31	31
Noise level ( 5 m)		db(A)	48.5	51.5	53
Electrical power		W	580	1.050	1.550
Fuse		A	6.3	10	15
Net weight		kg	73	125	207

