

START

**Comfort, safety and fiability
at good price**



**Electricity
savings**

**Brass
hydroblock
and stainless
steel pipes**

**Digital
display**

CE 1798

PG TF 02



made by
KÖBER



MOTAN
WALL HUNG GAS BOILERS

www.motan.ro/en

START

Comfort, safety and fiability at good price

Power: 24 kw

Bithermical

Efficiency: 93%

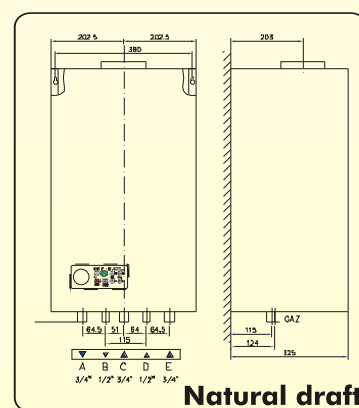
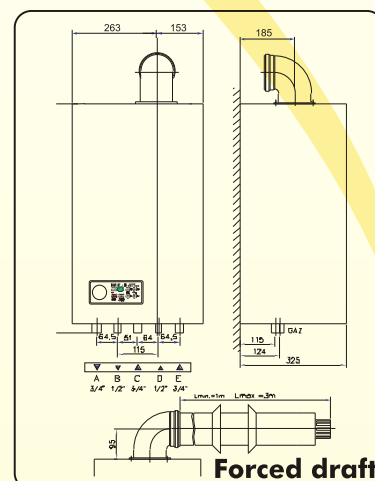
MOTAN wall hung gas boilers integrate import components of the best quality:

- Circulation pump Wilo (France) / Grundfos (Danemark);
- Heat exchanger Giannoni (France) / Valmex (Italy);
- Gas valve Honeywell (Holland);
- Air presostat Honeywell (Holland);
- Burner Worgas (Italy);
- Expanssion vessel Zilmet (Italy);
- Electric fan Fime / Erco / EBMPAPST;
- Safety valve Pintossi + C (Italy);

Safety systems :

- Overpressure safety valve protects the gas boiler at a pressure higher than 3 bars
- Water temperature sensors on the heating and domestic hot water circuits.
- Air pressure switch (forced draught version) which detects a possible draught deficiency and sends this information to the electronic board.
- Safety thermostat protects the heat exchanger from reaching high temperatures.
- Electronical board which receives information and controls the execution elements
- Performant self-diagnostic system
- Anti freeze protection fuction
- Chalk deposits prevention system
- Antiblocking pump system acting at every 24h

Type	C11 SPV 24ME	C11 SPV 24MEF
Power efficiency symbol	***	***
Category	I12H3B/P	I12H3B/P
Draft	Natural	Forced
Combustion chamber	Open	Air-tight
Nominal output efficiency		
-natural gases*	93,3%	93,3%
Nox class LPG*	93,1%	93,1%
-natural gases*	4	4
-LPG*	1	3
Nominal power	24 kw	24 kw
Minimum power	10,2kW	10,2kW
Burner nominal load	25.28 kw	25.28 kw
Gas pressure		
NG on coupling (after reducer)	20 mbar	20 mbar
NG at admitted maximum input	35 mbar	35 mbar
GPL	30 - 37 mbar	30 - 37 mbar
Electrical features	230V/50Hz	230V/50Hz
	90W	130W
Weight	37 kg	39 kg
Heat exchanger capacity	1 l	1 l
NG nominal max.consumption	2,64 Nm ³ /h	2,64 Nm ³ /h
GPL nominal max.consumption	2,00Kg/h	2,00Kg/h
Central heating		
Heat carrier output	0,8 m ³ /h	0,8 m ³ /h
Admitted minimum and maximum pressure	0,5 and 3 bar	0,5 and 3 bar
The temperature on the heating circuit	30-80 0C	30-80 0C
Connectors		
input-output central heating	3/4"	3/4"
DHW Input-output	1/2"	1/2"
Gas supply	3/4"	3/4"
Dimensions		
Length (mm)	700	700
Width (mm)	415	415
Depth (mm)	338	338
With fitted elbow (mm)	-	850
Expansion vessel with membrane	7l	7l
DHW preparator		
DHW temperature	40°- 60°C	40°- 60°C
Flow values		
ΔT=25°C	13,8 l/min	13,8 l/min
ΔT=35°C	9,8 l/min	9,8 l/min
ΔT=45°C	7,7 l/min	7,7 l/min
Pressure	0,2 - 8 bar	0,2 - 8 bar
Exhaust gases (temperature)	130°C 150°C	130°C 150°C
Necessary negative pressure for chimney	0,015 hPa	0,015 hPa
Boiler gas pipe (inlet-outlet)	Ø125	Ø100/Ø60
Exhaust gases pipe length	shorter +chimney	3 m
Guiding values		Maximum
Water content in installation	150 l	150 l
Maximum enclosure surface	200 sqm	200 sqm



The Quality Management System implemented within our company assures and is certified according to the ISO

9001:2008 standard by the Certification German Organizations GERMANISHER LLOYD CERTIFICATIONS, TÜV SÜDDEUTSCHLAND

KÖBER Ltd. Dumbrava Roşie, VADURI Branch; Office: Vaduri no 280, Alexandru cel Bun Commune, Neamţ district; postal code 617511, ROMANIA; phone: +40 233 241746; 241746; 241933; 241945; Fax: +40 233 241929; E-mail: office.vaduri@kober.ro; www.motan.ro