

# Motan K PLUS

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



CE 1798

PG TF 02

UA.TR.012-11

made by

**KÖBER**



**MOTAN**  
WALL HUNG GAS BOILERS

[www.motan.ro](http://www.motan.ro)

# Motan K PLUS

CE 1798

Power: 23 kw

Average lifetime: 10 years

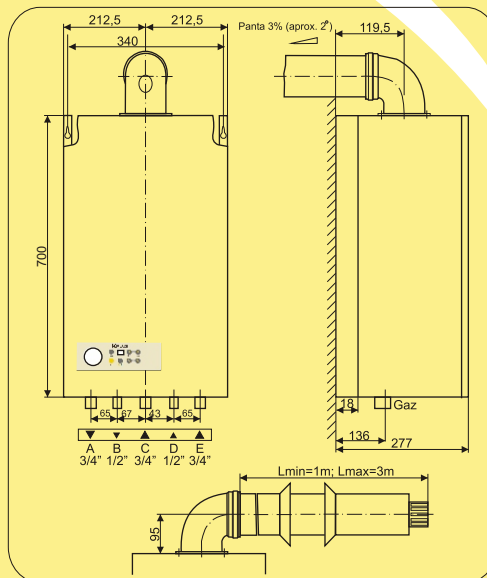
Monothermal

## General characteristics

**MOTAN KPLUS is a modern and COMPACT wall hung gas boiler which functions with natural gas, for heating and preparing domestic hot water.**

### MOTAN KPLUS model - C22 SPV 23 MEF:

- COMPACTED DIMENSIONS - adapted to the space need of any house
- ideal for block of flats and other dwellings without gas-exhaust chimneys forced draft
- monothermal, secondary heat exchanger with 12 plates
- nominal power: 23 kw
- nominal power efficiency 93%



Type	C22 SPV 23MEF
Power efficiency symbol	***
Category	I2H
Draft	Forced
Combustion chamber	Air-tight
Nominal output efficiency	
-natural gases*	93%
Nox class	
-natural gases*	2
Nominal power	10,4 - 22,8 kw
Burner nominal load	24,44 kw
Gas pressure	
NG on coupling (after reducer)	20 mbar
Electrical features	230V/50Hz 130W
Weight	33 kg
Heat exchanger capacity	1 l
NG nominal max.consumption	2,56 Nm <sup>3</sup> /h
Central heating	
Heat carrier output	0,8 m <sup>3</sup> /h
Admitted minimum and maximum pressure	0,5 and 3 bar
The temperature on the heating circuit	30°-80°C
Connectors	
input-output central heating	3/4"
DHW Input-output	1/2"
Gas supply	3/4"
Dimensions	
Length (mm)	700
Width (mm)	425
Depth (mm)	277
With fitted elbow (mm)	850
Expansion vessel with membrane	7l
DHW preparator	
DHW temperature	30° - 60°C
Flow values	
ΔT=25°C	13,2 l/min
ΔT=35°C	9,4 l/min
ΔT=45°C	7,4 l/min
Pressure	Max 8 bar
Exhaust gases (temperature)	130°C
Necessary negative pressure for chimney	0,015 hPa
Boiler gas pipe (inlet-outlet)	Ø100/Ø60
Exhaust gases pipe length	Maximum 3 m
Guiding values	
Water content in installation	150 l
Maximum enclosure surface	200 sqm

Wall hung gas boiler MOTAN integrate import components of the best quality:

- Grundfos circulation pump (Danmark) / Wilo (France);
- Heat exchanger Fugas / Valmex (Italy);
- Gas valve Honeywell (Holland);
- Air pressostat Honeywell (Olanda);
- Burner Worgas (Italy);
- Expansion vessel (Italy);
- Electric fan Fime, Erco, EBMPAPST
- Safety valve Pintossi + C (Italy);
- Electronical board Brahma (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



The Quality Management System implemented within our company assures and is certified according to the ISO 9001:2008 standard by the Certification German Organizations GERMANISCHER LLOYD CERTIFICATION, 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@koberro; www.motan.ro**