



## KON 100

Wall hung condensing gas boiler for Nat. gas or LPG, LOW NOx class 5, premix modulating burner, type B / C for heating, for indoor and out door installations, also in battery (up to 4 units) for a total of 400 kW. Protection degree IPX5D

- Maximum working pressure: 6 bar
- Special cabinet in steel plate electrogalvanized for outdoor installation, with anticorrosive epoxy polyester painting, RAL 9016
- Casing front panel with hang-up closing and fixing through screws.
- Total premix burner with constant CO<sub>2</sub> combustion and continuous air / gas modulation
- Modulation ratio 1:5
- Certified in ranged output
- Primary heat exchanger in Al / Si / Mg alloy,
- E-Bus connection port
- Very high seasonal efficiency
- Self adapting output according to the flue length
- Low NOx emissions, class 5, EN 297 / EN 483.
- NTC sensors for control of flow and return temperature
- Safety thermostat
- Safety thermostat on heat exchanger
- Minimum gas pressure switch set at 15 mbar
- Minimum water pressure switch set at 0.5 bar
- Smokes safety pressure switch
- Boiler drain valve
- Automatic air vent
- Manual air vent
- Pump anti-jamming function
- Basic panel board inside the casing, complete of display, menu setting keys, programming and heating and DHW functions.

### Technical data

<b>KON</b>		<b>100</b>
Nominal Heat Output	kW	99
Seasonal space heating energy efficiency	$\eta_{s}$ %	94
<b>Seasonal EFFICIENCY CLASS in heating mode</b>		<b>A</b>
Useful Heat Output in high-temp. regime (Tr 60°C / Tm 80°C)	P4 kW	88.81
Useful efficiency at nom. heat output in high-temp. regime (Tr 60°C / Tm 80°C)	$\eta_4$ %	89.0
Useful heat output at 30% of nom. heat output in low-temp. regime (Tr 30 °C)	P1 kW	32.2
Useful efficiency at 30% of nom. heat output in low-temp. regime (Tr 30 °C)	$\eta_1$ %	98.9
Emissions of nitrogen oxides (NO <sub>x</sub> )	mg/kWh	43
CO at 0% of O <sub>2</sub>	mg/kWh	140
Condensate production max	kg/h	8.46
Water content	l	9
Height / (with supporting frame)	mm	950 / (1944)
Width / (with supporting frame)	mm	500 / (526)
Depth / (with supporting frame)	mm	500 / (556)
Net weight	kg	100

### Options:

- Kit of supporting frame KON 100
- Kit of additional safety devices
- Electronic regulator HSCP or E8 (also battery controller)
- Additional functions: diagnosis of operational parameters and errors, antifreeze, technical services and digital errors indication
- Electronic zones expansion modules (2 to 8)
- Data transmission Card BCM
- Kit of additional safety devices
- Hydraulic separator (mixing header, with predispositions: air vent, expansion vessel, drain and cleaning.
- Gaskets and fixing bolts
- Acidic condensate neutralizers
- Smokes evacuation kit for cascade