









KON^x SLIM

Extra-thin wall hung, room sealed, Low NO_x, condensing gas boiler, with DHW production, for indoor / outdoor installation (IPX5D), with total premix burner and continuous modulation with electronic ignition

- Outer casing completely in stainless steel AISI 304
- Exchanger / Condenser in aluminum / silicon / magnesium
- Ignition and flame electronic control through single electrode
- Modulation ratio 1:8
- Total premix burner with constant combustion ratio, completely electronic (both gas valve and modulating fan)
- Automatic Feed-back of the combustion through the electrode (that monitors constantly the quality of the combustion)
- Adjustment of output according to heating request
- HWS "Hot Water Speed": commutation from heating to DHW mode without stopping the pump
- DHW heat exchanger in antiscaling stainless steel, with 12 plates (x 24 kW) and 14 plates (x 35 kW), with "thermal length" optimized for the condensation
- Management of 2 zones: high / low temperature, with differentiated priority
- Clever hydraulic filling of the C.H. system (able to indicate possible leakages)
- Electronic antifreeze function from 5°C
- Pump over-run function
- Safety limit thermostat
- Flow temperature sensor
- Return temperature sensor
- DHW temperature sensor
- High efficiency pump, complying with the Erp Directive 2015, modulating according to the output request, managed by the on board electronics
- Two expansion vessels (10 liters total)
- Automatic airvent
- Minimum pressure switch against the lack of water
- Pressure safety valve set at 3 bar
- Remote OT+ panel board with external and room temperature sensors
- Connection for diagnostics and programming through computer or portable programmer
- Inspection system of the burner and heat exchanger cleaning through quick release clampings
- Paper template for the predisposition of hydraulic connections
- Screw anchors for fixing

Technical data

KON ^x SLIM		24	35
Nominal Heat Output	kW	23	32
Seasonal space heating energy efficiency	η _s %	98	98
Seasonal EFFICIENCY CLASS in heating mode	  		
Useful Heat Output in high-temp. regime (Tr 60°C / Tm 80°C)	P4 kW	13	18,4
Useful efficiency at nom. heat output in high-temp. regime (Tr 60°C / Tm 80°C)	η ₄ %	88.7	88.7
Useful heat output at 30% of nom. heat output in low-temp. regime (Tr 30 °C)	P1 kW	4.3	6.1
Useful efficiency at 30% of nom. heat output in low-temp. regime (Tr 30 °C)	η ₁ %	99.2	98.2
Emissions of nitrogen oxides (NO _x)	mg/kWh	41	39
Declared load profile		M	L
Energy efficiency in D.H.W. production mode	η _{WH} %	65	80
Seasonal efficiency class in D.H.W. production mode	  		
Height	mm	930	930
Width	mm	520	520
Depth	mm	180	180
Production of D.H.W. in continuous operation with Δt 25 K (mixed)	l/min	13.2	18.6
Net weight	kg	36	36