

## CondexaPRO

Light commercial  
wall hung boiler



RANGE 50M - 100M - 100S ■

ErP CLASS A ■

WEEKLY PROGRAMMER ■

MODULAR SYSTEM ■

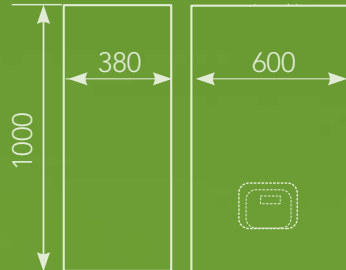
ABLE TO CASCADE UP TO 400kW ■

## CondexaPRO

### Light commercial wall hung boiler

#### Dimensions and Clearances

\*From casing or 25mm above flue elbow (whichever is applicable)



- Fully compliant with the Energy-related Products Directive.
- Possibility to combine CondexaPRO boilers in cascade systems up to 400kW, making them suitable for a wide variety of installations, from large domestic properties, office buildings and sports centres to schools and hotels.
- Flexible and space saving cascade installations allow the system to be tailored to meet the space requirements of the customer, who can choose among wall hung, linear free-standing and back-to-back freestanding configurations.
- The CondexaPRO range is designed so that all components can be easily serviced and maintained from the front. Each boiler of the cascade can also be individually serviced and maintained, while the other boilers of the cascade are still able to operate, minimising disruption.
- Built-in temperature control and external probe as standard to maximise energy efficiency.
- Excellent performance combined with low running costs, thanks to Vokèra condensing technology with pre-mix combustion.
- Built-in temperature control and external probe as standard to maximise energy efficiency.
- Stainless steel condensing exchanger on the exhaust side and copper alloy exchanger on the water side, each generator reaches 108.7% as the calorific value produced by natural gas (Hi) is lower; the low temperatures produced by the exhaust gases discharged into the atmosphere allow the use of a built-in 50mm diameter plastic exhaust collector with female fitting which may reach an equivalent height of 30m.
- The latest generation electronic control, modularity and versatility, ensures a quick connection to any type of heating and hot water storage systems as it simultaneously controls three different circuits, each operating at different temperatures.
- The CondexaPRO units are designed to provide water to three different circuits at different temperatures either supplied as direct take off's or via a header system utilising controls as required. The suggested usages are DHW, high temperature (heating) and low temperature (under floor heating).
- Flue lengths from 30m. Suitable for use with Vokèra 80mm Twin flue or 50mm, 125mm, 160mm, 200mm, 250mm and 315mm flue systems. See the CondexaPRO Configurations catalogue for more information.
- Water drain built-in as standard in the boiler for each heating unit.
- High modulation range: The Master models contains a board that can manage 30 slaves in battery or burners up to 3MW of power, with a modulation down to only 16kW, maximising efficiency and comfort levels.
- Anti-legionnaires' disease function (only available with room control kit).
- Weekly programmer (only available with room control kit).
- Minimum polluting emissions, thanks to the controlled pre-mix burner and the micro-flame burner combination, allowing the CondexaPRO to achieve Class 5 of the UNI EN 677 standard - the best European category in ecological terms.
- Siting and installation flexibility of the boiler make it deal for both new build and refurbishment applications.

<sup>(1)</sup>Subject to registration and annual service.



ErP Compliant



2 Year Warranty<sup>(1)</sup>



LARGE DOMESTIC & LIGHT COMMERCIAL APPLICATIONS



CASCADES UP TO 400kW

SPECIFICATIONS	50M	70M	100M	100S
PRODUCT ORDER CODE	20019678	20019201	20019311	20019677
TECHNICAL				
FUEL	G20 - G25 - G2.350 - G27 - G30 - G31			
APPLIANCE CATEGORY	I12ELWLS3B/P - I12H3+ - I2E(S)B			
TYPE OF APPLIANCE	B23 - B53 - C13X - C33X - C43X - C53X - C63 - C63X - C83			
HEAT INPUT REF. HHV (MIN-MAX) G20 (kW)	16.3 - 50	16.3 - 77.3	16.3 - 100	16.3 - 100
HEAT INPUT REF. NHV (MIN-MAX) G20 (kW)	15 - 45	15 - 59.6	15 - 90	15.0 - 90
USEFUL HEAT OUTPUT (80/60°C) (MIN-MAX) (kW)	14.8 - 44.2	14.8 - 68.5	14.8 - 88.3	14.8 - 88.3
USEFUL HEAT OUTPUT (50/30°C) (MIN-MAX) (kW)	16.3 - 48.5	16.3 - 75.3	16.3 - 96.8	16.3 - 96.8
LOSSES VIA THE CHIMNEY WITH THE BURNER OPERATING (%)	1.3			
LOSSES VIA THE CHIMNEY WITH THE BURNER OFF (%)	0.1			
LOSSES VIA THE CASING (TM = 70°C) (%)	0.5			
FLUE GAS TEMPERATURE °C	RETURN TEMPERATURE 3/5°C			
CO <sub>2</sub> AT MIN - MAX G20 (%)	9 - 9			
CO <sub>2</sub> AT MIN - MAX G30-31 (%)	10.4 - 10.4			
CO WITHOUT AIR AT MIN - MAX LESS THAN (MG/KWH)	11 - 91			
NO <sub>x</sub> CLASS	5			
AIR FLOW RATE G20 (NM <sup>3</sup> /H)	58.78	88.84	117.56	117.56
AIR FLOW RATE G30 - 31 (NM <sup>3</sup> /H)	58.59	90.58	117.18	117.18
FLUE GAS FLOW RATE G20 (NM <sup>3</sup> /H)	71.04	114.52	142.08	142.08
FLUE GAS FLOW RATE G30 - 31 (NM <sup>3</sup> /H)	71.76	110.94	143.52	143.52
FLUE GAS FLOW RATE (MAX - MIN) G20 (GR/S)	20.57 - 6.6	31.08 - 6.6	41.14 - 6.6	41.14 - 6.6
FLUE GAS FLOW RATE (MAX - MIN) G30-31 (GR/S)	20.52 - 6.85	31.73 - 6.85	41.04 - 6.85	41.04 - 6.85
RESIDUAL HEAD OF BOILER AT MIN HEAT OUTPUT (PA)	50			
FAN WITHOUT PIPES AT MAX HEAT OUTPUT (PA)	71.76	110.94	143.52	143.52
RESIDUAL HEAD OF BOILER FAN AT MIN HEAT OUTPUT (PA)	40			
DOWNSTREAM FROM CHOKE* AT MAX HEAT OUTPUT (PA)	490	370	490	490
MIN OPERATING PRESSURE, CENTRAL HEATING (BAR)	0.5			
MAX OPERATING PRESSURE, CENTRAL HEATING (BAR)	6			
MAX ADMISSIBLE TEMPERATURE (°C)	90			
RANGE OF BOILER WATER TEMPERATURE SETTINGS (±3 °C)	20 - 80			
WATER CONTENT (L)	5	10	10	10
POWER SUPPLY (V-hz)	230 - 50			
ELECTRICAL POWER (W)	80	154	160	160
INDEX OF PROTECTION (IP)	XOD			
QUALITY OF CONDENSATE (KG/H)	7.2	11.2	14.4	14.4
NOISE LEVEL AT MIN - MAX HEAT OUTPUT** (DBA)	48.2 - 57.1	49 - 58	49 - 58.9	49 - 58.9
GAS CAPACITY (MIN - MAX) G20 (SM <sup>3</sup> /H)	1.52 - 4.76	1.52 - 7.37	1.52 - 9.52	1.52 - 9.52
GAS CAPACITY (MIN - MAX) G30 (KG/H)	1.16 - 3.64	1.16 - 5.48	1.16 - 7.28	1.16 - 7.28
GAS CAPACITY (MIN - MAX) G31 (KG/H)	1.14 - 3.57	1.14 - 5.41	1.14 - 7.14	1.14 - 7.14
DIMENSIONS				
WIDTH (MM)	600			
DEPTH (MM)	380			
HEIGHT (MM)	1000			
WEIGHT				
DRY WEIGHT (KG)	60	90	90	90
EFFICIENCY				
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY (CLASS)	A			
USEFUL EFFICIENCY REF. NHV (80-60°C) %	98.2	98.4	98.2	98.2
USEFUL EFFICIENCY REF. NHV (50-30°C) %	107.7	108.2	107.7	107.7
USEFUL EFFICIENCY AT REF. NHV 30% (80-60°C) %	98.7	108.7	98.7	108.7
USEFUL EFFICIENCY AT REF. NHV 30% (50-30°C) %	108.7			

GET IN TOUCH

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