

TAHITI CONDENSING KR 85

WALL-HUNG CONDENSING BOILERS WITH PREMIX BURNER,
HEATING ONLY, SEALED CHAMBER

EN



- High efficiency
- Low polluting emissions
- Wide LCD
- Preset for cascade operation
- Ideal for small-sized central systems

Available with the following outputs:

85
kW

Pre-set to run on natural gas or propane

TAHITI CONDENSING KR 85



- High-efficiency stainless steel heat exchanger
- Fully pre-mixed burner
- Modulating gas valve with constant air/gas ratio
- Variable-speed combustion fan
- 3-speed circulation pump
- Air purging device on heat exchanger
- Built-in air-purging device
- Water differential (flow-return) and minimum pressure switch
- Efficiency rating according to 92/42/EC: ★★★★★
- NOx emission Class (EN 297): 5

Ready for connection to:

- External water heater for domestic hot water (with anti-legionella and freeze protection functions)
- Open Therm Remote Control
- Zone-specific heating control board for high and low temperature

| Model | Type of gas | Code | Heat output kW | Efficiency at nominal heat output | Gross weight (kg) |
|-----------------------------------|-------------|------------|----------------|-----------------------------------|-------------------|
| TAHITI CONDENSING LINE TECH KR 85 | METHANE | CTOxx2RR85 | 90.4 | 106.4 % | 77.00 |

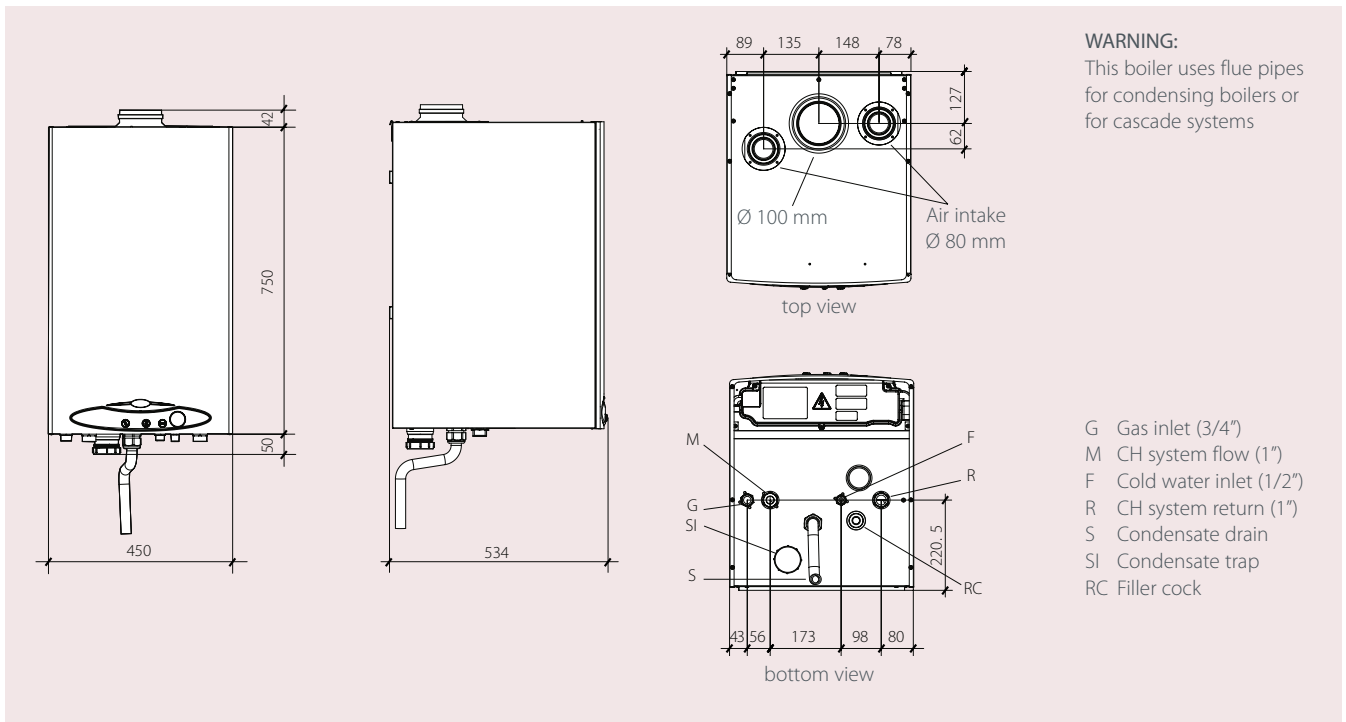
Electric panels for cascade boiler management

| Electric panels model KR 55 | 2 boilers | 3/4 boilers | 5/6 boilers |
|-----------------------------|------------|-------------|-------------|
| Standard electric panel | 0QUADCAS24 | 0QUADCAS25 | 0QUADCAS26 |
| PC electric panel | 0QUADCAS30 | 0QUADCAS31 | 0QUADCAS32 |
| GSM electric panel | 0QUADCAS27 | 0QUADCAS28 | 0QUADCAS29 |
| "V3" electric panel | 0QUADCAS21 | 0QUADCAS22 | 0QUADCAS23 |
| "V4" electric panel | 0QUADCAS20 | 0QUADCAS20 | - |






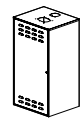

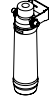
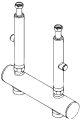

INCLUDED IN THE PRICE: Paper template, Ø 80 mm air intake duct kit with blanking cap.



DIMENSIONS AND CONNECTION CENTRE DISTANCES



ACCESSORIES

| Item | Description | Code | Item | Description | Code |
|---|---|------------|---|--|------------|
|  | Flue check valve, fitting Ø 100, fitting on flue side Ø 100 | 0PARCALD03 |  | Electric kit for zone management with external probe | 0KITZONE00 |
|  | Remote control | 0CREMOTO05 |  | Water heater temperature probe | 0KITSOND00 |
|  | External probe | 0SONDAES01 |  | Boiler cover | 0COPERIG01 |
|  | Temperature probe for climatic control unit and control panels (KF/SPF) | 0SONDASO00 |  | Condensate neutraliser Pmax 85 kW | 0FILNECO00 |
|  | Hydraulic separator kit | 0KITISTM06 |  | Filter refill Pmax 85 kW | 0RICAFIL00 |

| TECHNICAL SPECIFICATIONS | | | KR 85 |
|--|---------|--------|-------------|
| Nominal heat input | | kW | 85.0 |
| Nominal heat output (80-60°C) | | kW | 82.7 |
| Nominal heat output (50-30°C) | | kW | 90.4 |
| Minimum heat output (80-60°C) | | kW | 20.3 |
| Minimum heat output (50-30°C) | | kW | 22.6 |
| Useful efficiency at nominal heat input (80-60°C) | | % | 97.3 |
| Useful efficiency at minimum heat input (80-60°C) | | % | 97.3 |
| Useful efficiency at nominal heat input (50-30°C) | | % | 106.4 |
| Useful efficiency at minimum heat input (50-30°C) | | % | 107.7 |
| Useful efficiency at 30% | | % | 108.5 |
| Casing heat loss with burner on at nominal heat input | | % | 0.30 |
| Casing heat loss with burner on at minimum heat input | | % | 0.93 |
| Casing heat loss with burner off | | % | 0.48 |
| Chimney heat loss with burner on at nominal heat input | | % | 2.20 |
| Chimney heat loss with burner on at minimum heat input | | % | 1.79 |
| Energy efficiency marking (92/42 CEE) | | | ★ ★ ★ ★ |
| NOx class (EN 297/EN 483) | | | 5 |
| Maximum working pressure | | bar | 5 |
| Maximum working temperature | | °C | 83 |
| Temperature setting range | | °C | 20 - 78 |
| Consumption at nominal heat output (CH) (80-60°C) | Methane | m³/h | 9.0 |
| Consumption at minimum heat output (CH) (80-60°C) | Methane | m³/h | 2.222 |
| Consumption at nominal heat output (CH) (80-60°C) | Propane | kg/h | 6.59 |
| Consumption at minimum heat output (CH) (80-60°C) | Propane | kg/h | 1.628 |
| Air-flue ΔT at nominal heat input | | °C | 47 |
| Air-flue ΔT at minimum heat input | | °C | 36 |
| Flue gas flow at nominal heat input | | g/s | 38.7 |
| Flue gas flow at min. heat input | | g/s | 9.6 |
| Content at nominal heat input CO ₂ | Methane | % | 9.0 |
| Content at nominal heat input CO ₂ | Propane | % | 10.0 |
| Residual available head at nominal heat input | | Pa | 240 |
| Residual available head at minimum heat input | | Pa | 19 |
| Supply pressure | Methane | mbar | 20 |
| Supply pressure | Propane | mbar | 37 |
| Diaphragm diameter | Methane | mm | 10.3 |
| Diaphragm diameter | Propane | mm | 7.9 |
| Power supply voltage/frequency | | V / Hz | 230/50 |
| Power mains supply fuse | | A | 2 |
| Power absorption | | W | 245 |
| Electric protection rating | | | IPX4D |
| Gas fitting | | | G3/4 |
| CH fittings | | | G 1 |
| WxHxD | | mm | 450x750x534 |
| Gross weight | | kg | 77.00 |
| Net weight | | kg | 75.20 |