VITOCROSSAL 300 CA3B CONNECTION QUICK START GUIDE

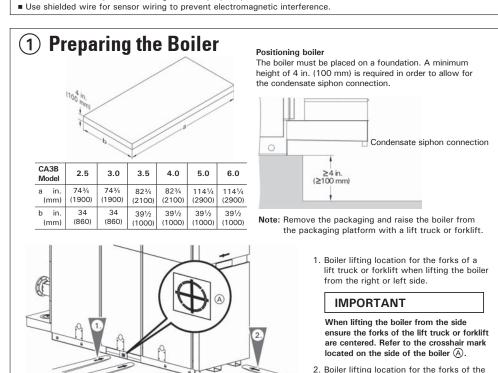
This Quick Start Guide is designed to provide an overview to an experienced licensed professional heating contractor with the a general connection, wiring and operational knowledge of the Vitocrossal 300 CA3B boiler. It is NOT a substitute for the technical support literature supplied with the Vitocrossal 300 CA3B boiler and its accessories. The technical support literature of each product contains the necessary safety and national/local code requirements which, if not followed exactly, will lead to property damages, personal injuries and/or loss of life. Viessmann Manufacturing assumes no responsibility for damage(s) of any kind caused by inappropriate use of this Quick Start Guide and/or failure to read the technical literature provided.

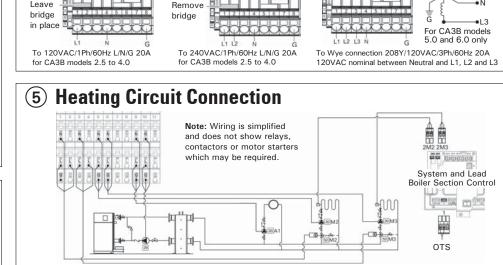
Before wiring the boiler...

- Connect fuel supply and all hydronic piping.
- Ensure gas pressure matches rating plate.
- Verify that the venting is installed according to the manufacturers Installation Instructions.
- Perform leak tests on the gas supply, heating system and venting, using approved methods.

What you need to know about wiring the boiler

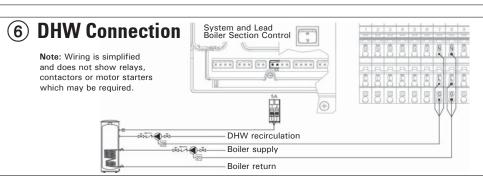
- For detailed installation information of the Vitocrossal 300 CA3B boiler refer to the appropriate documentation.
- Refer to boiler wiring diagram for electrical requirements of boiler.
- The boiler can only be connected to the power supplies specified (see Power Supply ④). Proper polarity must be maintained for wiring.
- The control unit requires an earth ground for proper operation.





The boiler power supply must be equipped with the appropriate disconnect &

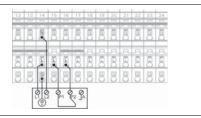
protection. Refer to power supply wiring diagram for specific requirements.

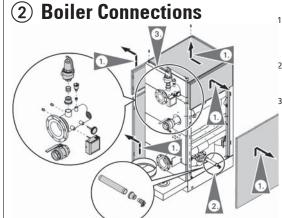




4 Power Supply

- 1. Remove jumper between terminals 15(L) and 16(L).
- 2. Make connection for (LWCO) switching contact at
- 3. Power supply for low water cut-off device made at an available (L, N, G) terminals 12, 13 or 14.





1. Remove screws from right side of the top panel (looking at the boiler from the front) then remove top right side panels. Remove top panels. Remove lower left side panels.

from the front.

lift truck or forklift when lifting the boiler

- 2. Locate and remove drain plug for each boiler section and install drain valve assembly for each boiler section as shown.
- 3. Locate safety header on the main supply header and install installation fittings.

Min. water pressure: 8 psi (0.5 bar) Note: The minimum water pressure is necessary

for safe operation. Note: All boilers must have a pressure relief valve

Note: Make all connections free of load and

torque stresses.



Push

- 2. From the home screen tap:
- Service

section).

- Enter "viservice" password - System configuration

(8) System Fill

1. Before filling, push the actuator release button and open each

isolation valve (located near the return header of each boiler

2. When fill is complete push the

actuator release button and close

each isolation valve (located near

- Coding level 2
- Enter "viexpert" password Select group

General Group

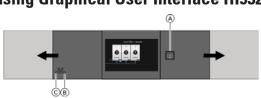
■ Using ^/V, Select the system layout address

- 00:__ and press /
 Using ^/V, Select the system layout coding and press V then press V again to confirm
- Using **∧/∨**, Verify address 4c:0 for output 20A1:
- Heating circuit pump
 Using ^/V, Adjust address 4d: 1 for output 29:
- to either:
- 4d: 2 Boiler pump
- Tap to return to the coding groups

Heating Circuit Group

- Select desired circuit
 - 'Heating circuit 2 Adjust mixing valve runtime to match circuit mixing valve actuator operating time. Adjustable
- from c3:10 (10 sec) to c3:255 (255 sec) to return to coding level 2 groups
- 'Heating circuit 3'
- Adjust mixing valve runtime to match circuit mixing valve actuator operating time. Adjustable from c3:10 (10 sec) to c3:255 (255 sec)
- Return to the home screen

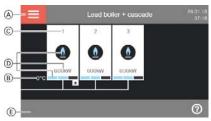
- Adjust to desired setting



- ON/OFF switch
- B ON indicator (green) © Fault indicator (red)
- Heating Circuit (each circuit must be adjusted separately)
- To adjust room temperature from home screen select:
- ■, IIII, 'Heating circuit 1', 'Room temp setpoint' Adjust to desired setting
- Tap to return to the main menu and repeat for
- heating circuits 2 and 3 as required

 Tap to return to the main menu to adjust the
- heating curve select:
- , 'Heating circuit 1', 'Heating curve'
- Adjust to desired setting

 Tap to return to the main menu and repeat for
- heating circuits 2 and 3 as required Return to the home screen



Legend

- A Header
- (B) Actual common supply temperature (boiler) © Boiler section number in the sequence
- D Details of the boiler section operating status
 - Information is subject to change without notice.

