

Manual Addendum – High Altitude Control Settings for WMB-155C Combi boilers

155KBTU - Natural Gas						
ALTITUDE	LOW FIRE			HIGH FIRE (CH & DHW)		
	Blower Speed (b06)	CO2 (%)	CO (PPM)	Blower Speed (b04 & b05)	CO2 (%)	CO (PPM)
0 - 2,000'	39	8.0 - 9.0	<7	205	9.0 - 9.5	<120
2,000' - 4,000'	40	8.0 - 9.0	<7	205	9.0 - 9.5	<120
4,000' - 5,000'	41	8.0 - 8.5	<10	205	8.7 - 9.0	<150
5,000' - 6,000'	42	8.0 - 8.5	<10	205	8.7 - 9.0	<150
6,000' - 7,000'	43	8.0 - 8.5	<10	205	8.7 - 9.0	<150
7,000' - 8,000'	45	8.0 - 8.5	<10	205	8.7 - 9.0	<180
8,000' - 9,000'	46	8.0 - 8.5	<10	205	8.7 - 9.0	<180
9,000' - 10,000'	48	8.0 - 8.5	<10	205	8.7 - 9.0	<180

155KBTU - LP Gas						
ALTITUDE	LOW FIRE			HIGH FIRE (CH & DHW)		
	Blower Speed (b06)	CO2 (%)	CO (PPM)	Blower Speed (b04 & b05)	CO2 (%)	CO (PPM)
0 - 2,000'	40	9.0 - 9.8	<7	210	10.2 - 10.7	<120
2,000' - 4,000'	42	9.0 - 9.8	<7	210	10.2 - 10.7	<120
4,000'-5,000'	43	9.3 - 9.5	<10	210	9.7 - 9.9	<150
5,000'-6,000'	44	9.3 - 9.5	<10	210	9.7 - 9.9	<150
6,000' - 7,000'	45	9.3 - 9.5	<10	210	9.7 - 9.9	<150
7,000' - 8,000'	47	9.3 - 9.5	<10	210	9.7 - 9.9	<180
8,000' - 9,000'	48	9.3 - 9.5	<10	210	9.7 - 9.9	<180
9,000' - 10,000'	50	9.3 - 9.5	<10	210	9.7 - 9.9	<180

HIGH ALTITUDE BOILER ADJUSTMENT

1. Press DHW- and DHW+ buttons together for 10 seconds to enter the parameter setup menu. The standard values for parameter “b04”, “b05” and “b06”, are shown in Table above.
2. Roll down the menu by pressing the CH button until the parameter “b04” is on the screen.
3. Set parameter “b04” to parameter in Table above.
4. Repeat steps 2 and 3 above to also adjust parameter “b05” and “b06”, according to Table above.
5. Press DHW- and DHW+ buttons together for 10 seconds to leave the menu. The values are automatically saved.

NOTICE The Ignition speeds are the same for Standard and High Altitude, there’s no need to change.

NOTICE In USA Input rates are derated 4% for each 1000 ft. above sea level, beyond 2000 ft. in accordance with National Fuel Gas Code, ANSI Z223.1/NFPA 54 -latest edition, and/or the Natural Gas and Propane Installation Code, CAN/CSA B149.1.

To the installer:

You must refer to the **Boiler Manual** to follow these instructions. **DO NOT** proceed with the high setting procedure without having a Boiler Manual. These instructions must only be used by a qualified installer/service technician. Read these instructions completely before beginning the installation. Failure to follow all instructions can cause severe personal injury, death, or substantial property damage.

