
Installation, Operating and Service Instructions Supplement

[For 10:1 Heat-Only Water-Tube Sizes 080-180 MBH]

This document supplements and/or replaces information found in the Operation section of the Installation, Operating and Service Instructions manuals. Follow supplement instructions and details outlined below until directed otherwise.



Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury, or loss of life. For assistance or additional information, consult a qualified installer, service agency or the gas supplier. This boiler requires a special venting system. Read these instructions and instructions provided in the Installation, Operating, and Service Instructions manuals carefully before installing.

It is important to read Installation, Operating, and Service Manuals provided with the Boiler to ensure proper installation of this product. Be sure to comply with all local and nationally recognized installation codes.



Boiler is set up from factory for use with Natural gas at sea level. Air-fuel mixture has been preset for Natural gas. In the event air-fuel mixture needs to be adjusted, follow the instructions provided in the Installation Instructions manual provided with Boiler. Installation Instructions include a procedure for adjusting the air-fuel mixture on this Boiler. This procedure requires a combustion analyzer to measure the CO₂ (or Oxygen) and Carbon Monoxide (CO) levels in flue gas. Adjusting the air-fuel mixture without a proper combustion analyzer could result in unreliable Boiler operation, personal injury, or death due to carbon monoxide poisoning.

This document corrects Table 12:10: Parameters Changed Using the Boiler Type Parameter Selections.

XII. Operation F. Changing Adjustable Parameters (continued)

Table 12.10: Parameters Changed Using the Boiler Type Parameter Selections:

Control Service Part Kit	Part Number 107877-01					
Altitude	0-2000 Ft.					
Configuration	PHNTM-080B-02-N	PHNTM-100B-02-N	PHNTM-120B-02-N	PHNTM-150B-02-N	PHNTM-180B-02-N	PHNTM-180M-02-N
Maximum Heat Rate (RPM)	7100	7400	7300	7900	8100	Not Permitted
Minimum Heat rate (RPM)	1600	1650	1700	1700	1700	
Default Light-off (RPM)	4000	4000	4000	4000	3000	
Configuration	PHNTM-080B-02-P	PHNTM-100B-02-P	PHNTM-120B-02-P	PHNTM-150B-02-P	PHNTM-180B-02-P	PHNTM-180M-02-P
Maximum Heat Rate (RPM)	7100	7400	7300	7900	8100	Not Permitted
Minimum Heat rate (RPM)	1600	1650	1700	1700	1700	
Default Light-off (RPM)	4000	4000	4000	4000	4000	
Altitude	2001 - 6000 Ft.					
Configuration	PHNTM-080B-26-N	PHNTM-100B-26-N	PHNTM-120B-26-N	PHNTM-150B-26-N	PHNTM-180B-26-N	PHNTM-180M-26-N
Maximum Heat Rate (RPM)	8420	8500	8500	8700	Not Permitted	8500
Minimum Heat rate (RPM)	1650	1760	1800	1900		1500
Default Light-off (RPM)	4000	4000	4000	4000		4000
Configuration	PHNTM-080B-26-P	PHNTM-100B-26-P	PHNTM-120B-26-P	PHNTM-150B-26-P	PHNTM-180B-26-P	PHNTM-180M-26-P
Maximum Heat Rate (RPM)	Not Permitted	8100	8500	8700	Not Permitted	8000
Minimum Heat rate (RPM)		1710	1800	1900		1500
Default Light-off (RPM)		4000	4000	4000		4000
Altitude	6001 - 7800 Ft.					
Configuration	PHNTM-080B-67-N	PHNTM-100B-67-N	PHNTM-120B-67-N	PHNTM-150B-67-N	PHNTM-180B-67-N	PHNTM-180M-67-N
Maximum Heat Rate (RPM)	6800	8500	8600	8800	Not Permitted	7800
Minimum Heat rate (RPM)	1650	1760	1800	1900		1500
Default Light-off (RPM)	4000	4000	4000	4000		4500
Configuration	PHNTM-080B-67-P	PHNTM-100B-67-P	PHNTM-120B-67-P	PHNTM-150B-67-P	PHNTM-180B-67-P	PHNTM-180M-67-P
Maximum Heat Rate (RPM)	Not Permitted	7400	7300	8800	Not Permitted	7900
Minimum Heat rate (RPM)		1760	1800	1900		1500
Default Light-off (RPM)		4000	4500	4000		4500
Altitude	7801 - 10100 Ft.					
Configuration	PHNTM-080B-70-N	PHNTM-100B-70-N	PHNTM-120B-70-N	PHNTM-150B-70-N	PHNTM-180B-70-N	PHNTM-180M-70-N
Maximum Heat Rate (RPM)	6400	8600	8600	8850	Not Permitted	7800
Minimum Heat rate (RPM)	1650	1760	1800	1900		1500
Default Light-off (RPM)	4500	4000	4500	4500		4500
Configuration	PHNTM-080B-70-P	PHNTM-100B-70-P	PHNTM-120B-70-P	PHNTM-150B-70-P	PHNTM-180B-70-P	PHNTM-180M-70-P
Maximum Heat Rate (RPM)	Not Permitted	7200	Not Permitted	8200	Not Permitted	7400
Minimum Heat rate (RPM)		1560		1900		1500
Default Light-off (RPM)		4500		4500		4500