

Job: _____
Engineer: _____
Contractor: _____
Prepared By: _____ Date: _____
Model: _____

Raytherm® - Type WH

Water Heaters
Commercial

Models 926-1758 (Outdoor)

EFFICIENT

- ▶ 82% thermal efficiency – highest of any atmospheric water heater available today

THERMAL SHOCK PROOF

- ▶ Twenty-year warranty against thermal shock damage up to 150°F differential
- ▶ Maximum operating temperature: 210°F

LIGHTWEIGHT

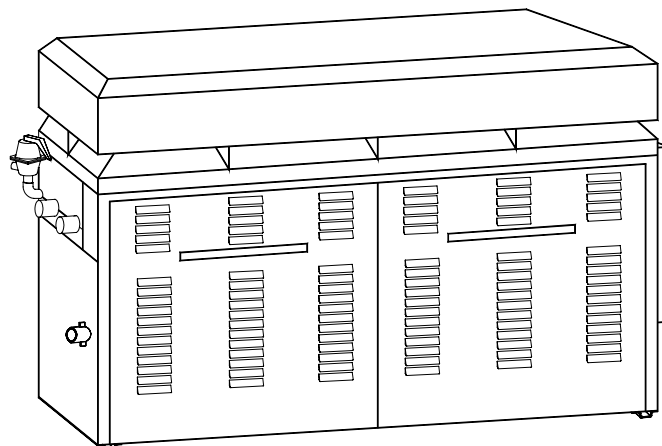
- ▶ A floor load of 70 lbs./sq. ft. or less

HIGH RECOVERY

- ▶ Cuts fuel costs substantially because the standby and radiation losses associated with tank-type water heaters are eliminated

LOW WATER OPERATING TEMPERATURE

- ▶ Operates with water temperature as low as 105°F without condensing



OUTDOOR

Heat Exchanger

- ASME Inspected and Stamped 160 PSIG
- National Board Approved
- Headers
 - ☐ Bronze – Standard
 - ☐ Glass-lined Cast Iron – Option A-2
- Fin Tubing
 - ☐ Copper – Standard
 - ☐ Cupro Nickel – Option A-3
- ASME Steel Tube Sheet
- Silicone O-Rings
- 125 PSIG ASME Pressure Relief Valve
- Temperature and Pressure Gauge
- Water Connections
 - ☐ Left Hand – Standard
 - ☐ Right Hand – Option A-6
- Two-pass Flow Configuration
- Pump, Rear-mounted, 1/2 HP, 120 VAC, 1Ø, 60 Hz – Optional
 - ☐ 4.25" Impeller
 - ☐ 4.7" Impeller

Controls

- 120V, 60Hz, 1 Ph Power Supply
- 120/24V Transformer
- 100% Pilot Shut-off/Lockout
- Electronic, Intermittent Ignition (IID) Pilot
- High Limit Control, Manual Reset – 200°F

Controls (cont.)

- On/Off Switch
- Flow Switch
- Economaster II Pump Time Delay

Gas Control Train

- Manual Main Gas Shut-off Cock
- Main Gas Pressure Regulator
- Redundant Safety Shut-off Valve
- Control Valve
- Firing Mode
 - ☐ On/Off (WH1)
 - ☐ 2-stage Firing (WH3)
 - ☐ Mechanical Modulation (WH2)
- Fuel
 - ☐ Natural Gas
 - ☐ Propane Gas
- Design Certified ANSI Z21.10.3/ CSA 4.3

Construction

- Front Controls
- Stainless Steel Burners
- PolyTuf Powder Coat Finish
- Stackless Top
- Base – Optional
 - ☐ Combustible Floor Shield – Option J-1

Temperature Controls

- ☐ B-2 Single-Stage Tankstat (100-180°F)
- ☐ B-3 2-Stage Tankstat (100-180°F)
- ☐ Y-241 Electronic Sequencer, 1-4 Stages
- ☐ Y-281 Electronic Sequencer, 1-8 Stages

Additional Safety Controls

- ☐ F-9 Low Water Cut-off Probe
- ☐ I-3 High Limit Control, Auto Reset, 180°F
- ☐ S-1 Low Gas Pressure Switch, Manual
- ☐ S-2 High Gas Pressure Switch, Manual

Regulatory Agency Requirements

- ☐ CSD-1 Safety Controls

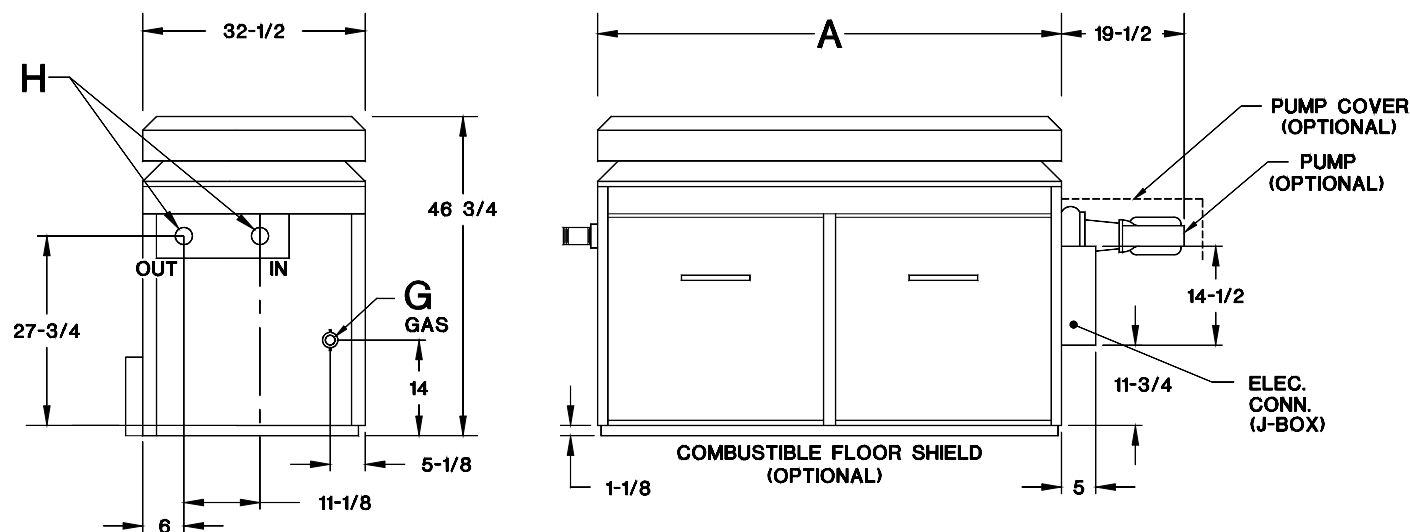


Raypak®
A Rheem® Company

Raytherm - Type WH

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Model _____



MODELS 926 THRU 1758

Model No.	MBTUH Natural Gas		Dimensions (Inches)			Shipping Weight Lbs. (Approx.)	
			Width A	Gas Conn. G	Water Conns. H	Less Pump	w/Pump
	Input	Output					
WH-926	926.0	759.0	52-3/8	1	2-1/2	785	840
WH-1083	1083.0	888.0	59-1/4	1	2-1/2	865	920
WH-1178	1178.0	966.0	63-5/8	1	2-1/2	925	980
WH-1287	1287.0	1055.0	68-5/8	1-1/4	2-1/2	980	1035
WH-1414	1413.0	1158.5	74-7/8	1-1/4	2-1/2	1080	1130
WH-1571	1570.0	1287.0	81-1/8	1-1/4	2-1/2	1130	1190
WH-1758	1758.0	1441.5	89-3/8	1-1/4	2-1/2	1160	1220

NOTE: Ratings shown are for elevations up to 2,000 feet. For elevations over 2,000 feet, reduce ratings 4% for each 1,000 feet above sea level.

HEATER RATES OF FLOW AND PRESSURE DROPS

Model No.	20° ΔT		30° ΔT		40° ΔT	
	GPM	ΔP (ft)	GPM	ΔP (ft)	GPM	ΔP (ft)
WH-926	76	8.0	51	3.5	N/A	N/A
WH-1083	89	11.7	59	5.1	44	2.9
WH-1178	N/A	N/A	64	6.3	48	3.6
WH-1287	N/A	N/A	70	8.0	53	4.5
WH-1414	N/A	N/A	77	10.2	58	5.8
WH-1571	N/A	N/A	86	13.2	64	7.3
WH-1758	N/A	N/A	N/A	N/A	72	9.7

NOTE: Maximum acceptable flow through heat exchanger tubes is 90GPM.

HEATER RECOVERY RATES (GPH)

Model No.	Temperature Rise						
	20°F	30°F	40°F	50°F	60°F	80°F	100°F
WH-926	4558	3038	2279	1823	1519	1139	912
WH-1083	5330	3554	2665	2132	1777	1333	1066
WH-1178	5798	3865	2899	2319	1933	1450	1160
WH-1287	6335	4223	3167	2534	2112	1584	1267
WH-1414	6955	4636	3477	2782	2318	1739	1391
WH-1571	7727	5152	3864	3091	2576	1932	1545
WH-1758	8653	5769	4326	3461	2884	2163	1731