

Job: _____

Engineer: _____

Contractor: _____

Prepared By: _____ Date: _____

Model: _____ Indoor/Outdoor: _____ MBTUH Input: _____

Hi Delta[®] - Type P

Commercial Pool Heaters
Models 1802B-2342B

Sealed Combustion Chamber

100% Factory Fire Tested

Efficiency: 85%

Minimum Non-condensing Inlet Temperature: 105°F

Thermal Shock Proof Heat Exchanger

Limited Twenty-year Thermal Shock Warranty

Limited Five-year Heat Exchanger Warranty

Diagnostic Center with Fault History

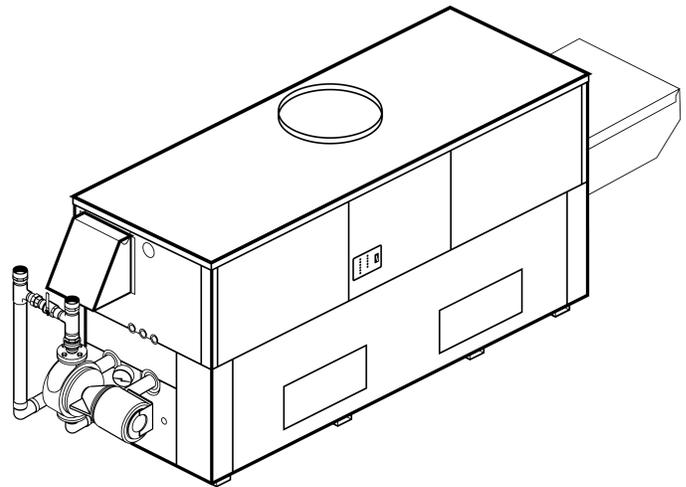
PolyTuf Powder Coated Cabinet

No Combustible Floor Shield Required

Fan-assisted

Non-ferrous Bypass

Patented Burner Security Blanket



Heat Exchanger

- Bronze Headers
- ASME Inspected and Stamped
160 PSIG Working Pressure
- National Board Approved
- Cupro Nickel Finned Tubing
- ASME Steel Tube Sheet
- Silicone High Temp O-Rings
- 125 PSIG ASME Pressure Relief Valve
- Temperature and Pressure Gauge
- Water Connections
 - Left – Standard
 - Right – Option A-6
- Bronze Pump, 120V, 60Hz
- Non-ferrous Pool Bypass

Controls

- 120V, 60Hz, 1Ø Power Supply
- 120/24V 60Hz Transformer
- 100% Shut-off/Lockout
- Hot Surface Ignition Systems (2)
- Remote Flame Sensors (2)
- High Limit Control, Auto Reset
- On/Off Power Switch
- Manual Shut-off, Front-mounted
- Flow Switch
- Blocked Vent Pressure Switch
- Combustion Air Proving Switches
- Economaster Pump Time Delay
- Poolstat

Gas Train

- Gas Pressure Regulators
- Safety Shut-off Valves
- Firing Control Valves
- On/Off Firing
- Low Gas Pressure Switch, Manual
- Fuel
 - Natural Gas
 - Propane Gas
- Design Certified ANSI Z21.56/
CSA 4.7

Burner

- Ultra-low NOx:
Less than 30 PPM

Construction

- Indoor/Outdoor Construction
- Enclosed Front Controls

Venting

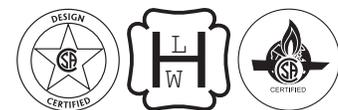
- Vent Location
 - Top – Standard
 - Rear – Option D-14
- Vent Termination Cap
 - Outdoor – Option D-11
 - Indoor, Horizontal –
Option D-15
 - Indoor, Vertical (by others)
- Combustion Air
 - In-Line Filter Kit (TruSeal
only) – Option D-17
 - Air Intake Elbow –
Option D-16

Options

- C-6 Ignition Module, Manual Reset
- D-21 TruSeal™ Direct Vent
 - Right Side
 - Left Side (Model 1802B
Only)
- F-10 Low Water Cut-off, Remote
Probe
- S-2 Dual High Gas Pressure
Switches, Manual Reset
- X-1 SureRack Kit, Zone III and IV
- X-2 SureRack Add-on, Zone IV
- Y-241 Temperature Controller,
1-4 Stages

Regulatory Agency Requirements

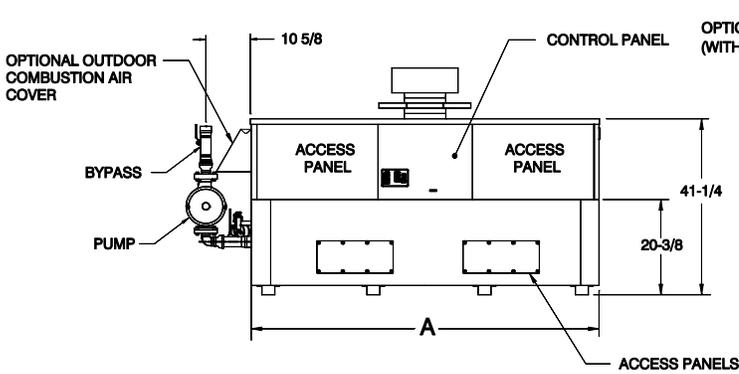
- G-1 CSD-1



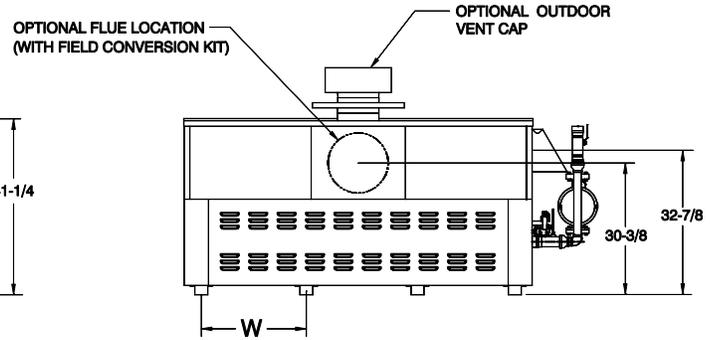
Raypak[®]
A Rheem Company

Hi Delta – Type P Models 1802B-2342B

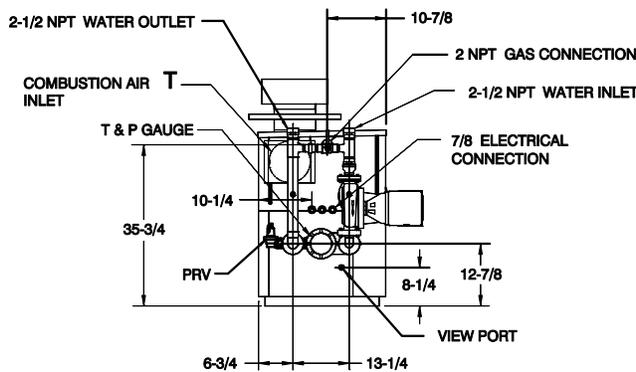
Model _____



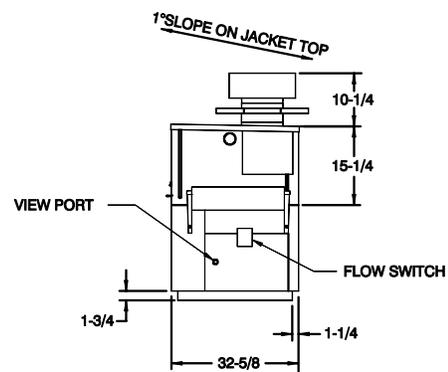
FRONT VIEW



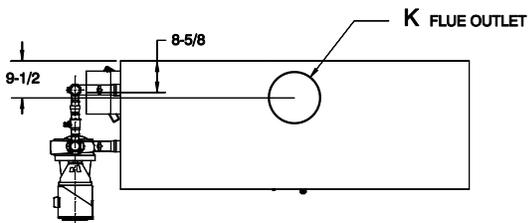
BACK VIEW



LEFT SIDE



RIGHT SIDE
RATE OF FLOW AND PRESSURE DROP



TOP VIEW

Model	Max. Flow			Min. Flow		
	GPM	ΔP (ft)	ΔT	GPM	ΔP (ft)	ΔT
1802B	132	18.7	23	102	11.2	30
2002B	132	19.2	26	113	14.0	30
2072B	132	19.2	27	117	15.1	30
2342B	132	21.0	30	132	21.0	30

Model	MBTUH		A Width	K	T	W	Amp Draw		Pump HP	Shipping Weight (Lbs.)
	Input	Output					Heater w/ Pump	Pump		
1802B	1800	1530	91-1/8	14	10	28-1/8	21	12	3/4	1350
2002B	1999	1699	102-1/2	14	10	31-15/16	24	12	1	1450
2072B	2070	1760	102-1/2	14	10	31-15/16	24	12	1	1450
2342B	2340	1989	113-7/8	16	10	35-11/16	24	12	1-1/2	1520

Dimensions are in inches.
Ratings shown are for elevations up to 5,000 feet and for natural or propane gas.
For installation at elevations over 5,000 feet, please contact manufacturer.