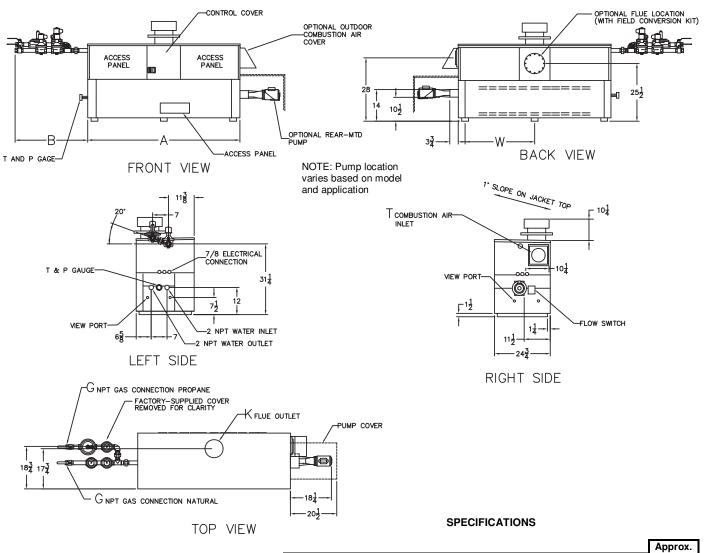
Job:		Hi Delta [®] FlexGas [®] - Type F						
Engineer:			Dual-Fuel Hot Water Boilers					
Contractor:			Models 302BD-902BD					
Preparer: Da	ate:							
Model: Ind	door/Outdoor:		MBTUH Input:					
Fast, Economical Natural-to-Propan 100% Factory Fire Tested 84% Efficiency Maximum Outlet Temperature: 230° Minimum Non-Condensing Inlet Ter Thermal Shock Proof Heat Exchang Limited Twenty-Year Thermal Shocl Diagnostic Center with Fault History PolyTuf Powder Coated Cabinet No Combustible Floor Shield Requi Fan-Assisted Low NOx Burners Patented Burner Security Blanket	F nperature: 105° er ‹ Warranty /	F	Patent Nos. 6,904,873 & 7,044,124 other patents pending					
Heat Exchanger Headers Glass-Lined Cast Iron – Standard Bronze – Option A-1 ASME Inspected and Stamped 160 PSIG Working Pressure National Board Approved Fin Tubing Copper – Standard Cupro Nickel – Option A-3 ASME Steel Tube Sheet Silicone High Temp. O-Rings ASME Pressure Relief Valve 45 PSIG – Standard on Models 302BD and 402BD 60 PSIG – Standard on Models 502BD-902BD PSIG – Optional Temperature and Pressure Gauge Water Connections Left – Standard Right – Option A-6 Controls 120V, 60Hz, 1∅ Power Supply 120/24V 60Hz Transformer 100% Shut-Off/Lockout Hot Surface Ignition Remote Flame Sensor High Limit Control, Manual Reset On/Off Power Switch Manual Shut-Off, Front-Mounted Flow Switch Blocked Vent Pressure Switch Combustion Air Proving Switch Economaster Pump Time Delay Enable/Disable	■ Gas Pressure ■ Safety Shut-C ■ Firing Contro ■ Firing Mode □ On/Off (H	Off Valve I Valve I Valve II	Burner ■ Ultra-Low NOx: Less than 20 PPM (NAT) Temperature Controls □ B-6					



Hi Delta FlexGas – Type H Models 302BD-902BD





											Approx.	
	MBTUH		Α	В	G		Н	K	Т	W	Amp.	Shipping
Model	Input	Output	Width		Nat	Pro	NPT				Draw*	Wt. (Lbs)
302BD	300	252	36	41	1-1/4	3/4	2	5	6	18	6	405
402BD	399	335	43	41	1-1/4	3/4	2	6	6	18-1/2	6	470
502BD	500	420	50	35-1/2	1-1/4	3/4	2	6	6	22	6	570
652BD	650	546	60-1/2	30-1/2	1-1/4	3/4	2	8	6	27-1/4	6	615
752BD	750	630	67-1/2	27-1/2	1-1/4	1-1/4	2	8	6	30-3/4	6	700
902BD	900	756	78	34-1/2	1-1/4	1-1/4	2	8	6	36	7	765

* Without pump

RATES OF FLOW AND PRESSURE DROPS

	10°F ∆T		20°F ∆T		30°F ∆T		Min. Flow			Max. Flow		
Model	GPM	∆P (ft)	GPM	ΔP (ft)	GPM	ΔP (ft)	GPM	ΔP (ft)	ΔΤ	GPM	ΔP (ft)	ΔΤ
302BD	51	3.2	25	<1.0	N/A	N/A	20	<1	25	90	9.8	6
402BD	68	5.4	34	1.5	22	<1	20	<1	34	90	10.0	7
502BD	85	9.2	42	2.3	28	1.1	21	<1	40	90	10.5	9
652BD	N/A	N/A	55	4.0	36	1.8	28	1.1	40	90	10.7	12
752BD	N/A	N/A	64	5.5	42	2.5	32	1.6	40	90	11.0	14
902BD	N/A	N/A	76	8.5	51	3.8	38	2.2	40	90	11.8	17

Basis is 20 GPM or 40 $^{\circ}\! F$ ΔT for minimum flow, 90 GPM for maximum flow.

NOTES:

- 1. Dimensions are in inches
- 2. Rates shown are for natural or propane gas, and elevations up to 5,000 feet. For installation above 5,000 feet, please contact manufacturer.
- Required natural gas supply pressure is 7 10.5" WC. Required propane gas supply pressure is 11 - 13" WC.

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