ELITE XL VWH
Volume Water Heaters

HTP

Features

- **WIDE RANGE OF INPUTS** – 7 Input options from 399,000 TO 2,000,000 BTU
- **EASY TO CONTROL** – 7" high resolution touch screen display makes checking or changing parameters easier than ever.
- **HTP LINK** – WiFi solution enables remote monitoring of the appliance and system
- **ASME CONSTRUCTION** – 316L stainless steel construction pressure rated at 160 PSI with ASME (H) stamp
- **4 PASS HEAT EXCHANGER** – large internal circuits reduce pressure drop allowing the use of smaller pumps, reducing the cost of installation.
- **BLUE JET COMBUSTION** – unique design low-nox burner technology which provides a uniform stable flame for years of trouble-free operation, while avoiding clogging and hot spots normally seen on premix burners.
- **FOOTMASTER WHEELS** – standard on all 399k-1M models, allows moving the unit and locking it in place easy
- **REMOVABLE FRONT AND SIDE PANELS** – allows access to all internal components and makes servicing a breeze.
- **CASCADE SEQUENCING** – up to 8 volume water heaters for redundancy of operation (no downtime), providing even larger turn down ratios while increasing overall system efficiency and performance with unit run time rotation.
- **VERSATILE VENTING** – Direct vent up to 150 ft (1.5M – 2.0M) and up to 125ft (399k – 1M) using PVC, CPVC, Polypropylene, or Stainless Steel.

Performance

- UP TO 98% THERMAL EFFICIENCY
- 10:1 TURN DOWN RATIO
- AHRI CERTIFIED AND LISTED

Quality

- STAINLESS STEEL WATER TUBE HEAT EXCHANGER
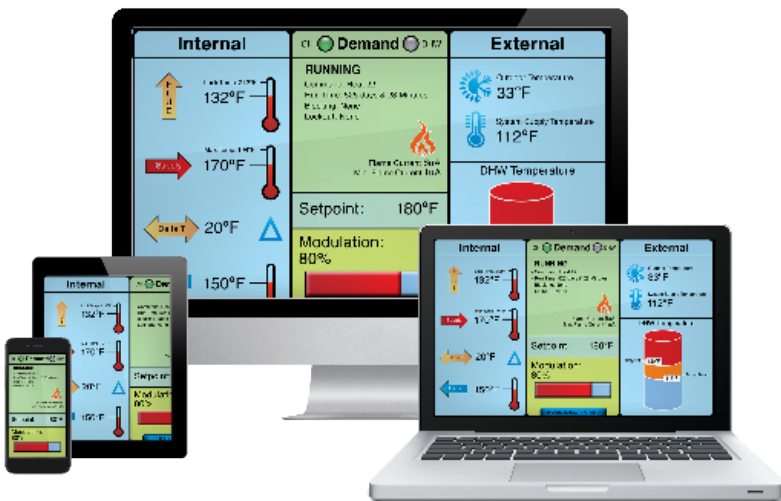- LIMITED 5 YEAR WARRANTY / 1 YEAR COMPONENTS

HTPL:NK

Multiple Platforms on the Cloud

Technical Support

Remotely link to a factory technician to assist in system monitoring, troubleshooting and overall system efficiency.

Building / Property Manager

Remotely link to monitor multiple units in multiple locations. Get text and email alerts to critical system events such as faults. Continuous system monitoring optimizes system performance and efficiency.
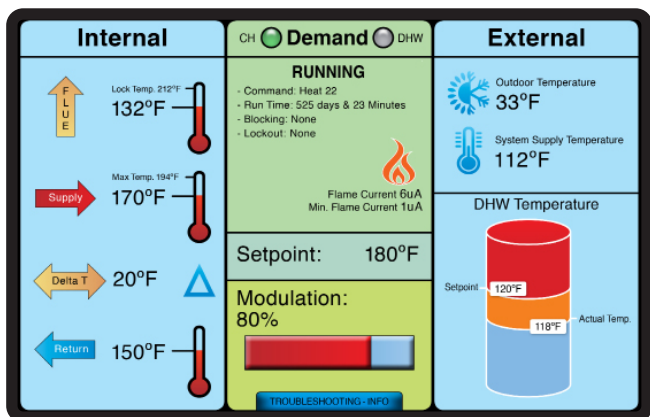
Contractor / Maintenance

Receive text and email notifications and remotely link to assist the customer with system issues. Get key information to quickly and efficiently troubleshoot before arriving on the job.

The HTP Link Touch Display
Take Total Control of Your Heating System

Each Elite XL comes with a **High Resolution 7" Touchscreen**

TOUCHSCREEN DISPLAY

7" High Resolution color touchscreen display provides clear visual monitoring of the unit's parameters and programing to maximize the efficiency of the unit. Display screen color will change to help clearly identify the status of the unit, making monitoring and trouble-shooting easy.
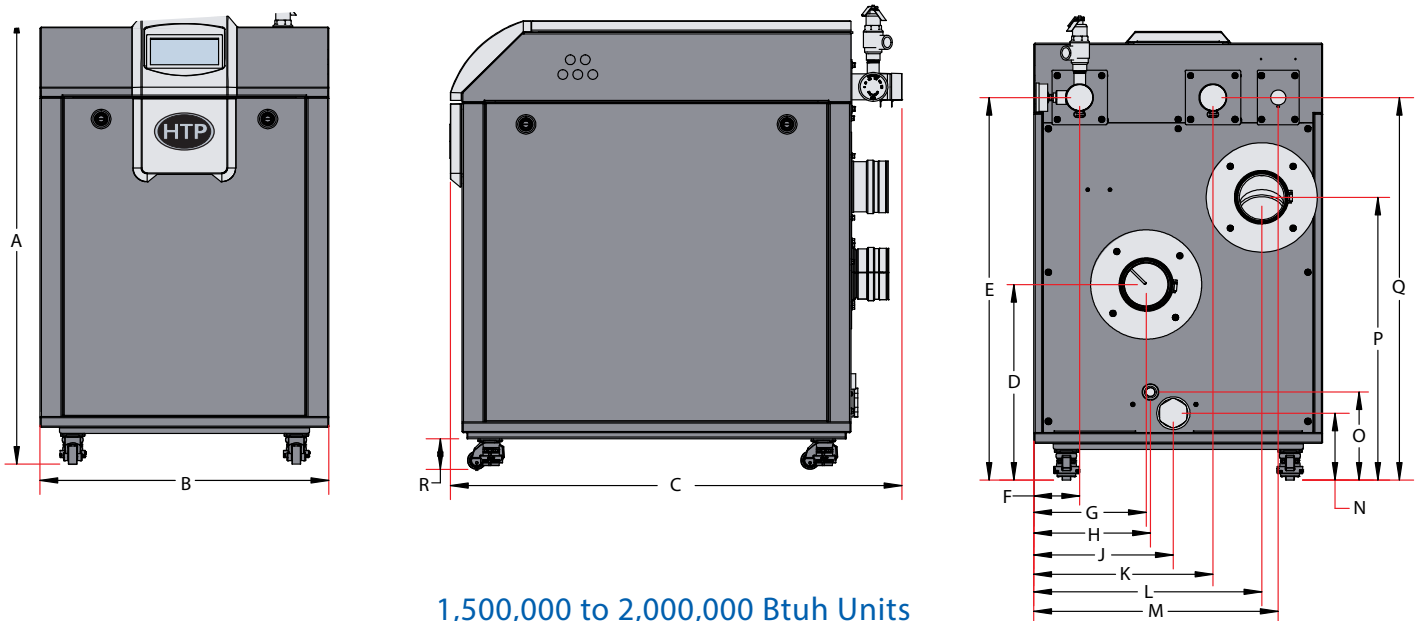
Stand-By/Running (Green Color)
Fault (Red Color)
Blocking Code (Yellow Color)

Model ELX-	400FVWHN	500FVWHN	650FVWHN	800FVWHN	1000FVWHN	1500FVWHN	2000FVWHN
Installation	Indoor, Floor Standing, Fully Condensing						
Minimum / Maximum Input (Btu/Hr)	39,900 / 399,000	50,000 / 500,000	65,000 / 650,000	80,000 / 800,000	100,000 / 1,000,000	150,000 / 1,500,000	200,000 / 2,000,000
Heating Capacity (MBH)	387	485	630	776	970	1,455	1,940
Flue System	Category IV, Sealed Combustion Direct Vent, Power Vent						
Minimum Combined Vent Run	10 feet					15 feet	
Maximum Combined Vent Run	4" (125 feet)		6" (125 feet)			8" (150 feet)	
Approved Exhaust Vent Materials	PVC, CPVC, PP, Stainless Steel						

Packaging Dimensions (in Inches)

	400FVWHN	500FVWHN	650FVWHN	800FVWHN	1000FVWHN	1500FVWHN	2000FVWHN
W	32.25					43.25	
H	49.625					64.25	
D	48		64			76	86

Shipping Weight (lbs)	538	545	680	700	745	1400	1750
Gas Supply Pressure	3.5" to 14" WC (NG or LP)					3.5" to 10.5" WC (NG ONLY)	
Manifold Pressure — Min / Max	-0.08" WC (NG or LP)					-0.07" WC (NG ONLY)	
Power Supply	120V 60 Hz, 6.3A					208/3PH WYE, 60Hz, 10A/Leg	
Customer Connection Board Fuse Amperage Ratings	2 Amps					5 Amps	
General Operating Conditions	Minimum Ambient Temperature: 32°F (0°C) Product Approvals and Requirements: ANSI Z21.13 / CSA 4.9, CSD-1 ASME Code						
Ignition System	Direct Electronic Spark Ignition / Flame Rectification						
Burner System	Premixed Fuel Modulation / Stainless Steel Burner						
Gas Valve System	Pneumatic Gas Valve						

Dimensions (in Inches)

	400FVWHN	500FVWHN	650FVWHN	800FVWHN	1000FVWHN	1500FVWHN	2000FVWHN
W	26					31.8	
H	41					60.8	
D	40.7		56.5			66.5	79

VWH Water Content (Gallons)	3.8	4.3	5.6	6.6	8.1	12.9	16.25
Minimum Flow Rate @ 20°F ΔT at Low Fire (GPM)	4	5	6.5	8	10	15	20
DHW Setpoint Temperature Range	70 – 185°F						

Water Pressure (PSI)

Heat Exchanger MAWP	160						
Temperature & Pressure Relief Valve	Temperature: 210F / Pressure: 150						

Connection Sizes

	400FVWHN	500FVWHN	650FVWHN	800FVWHN	1000FVWHN	1500FVWHN	2000FVWHN
Supply / Return	2" NPT					2 1/2" Flange	
Gas Inlet	1" NPT		1 1/4" NPT			1 1/2" NPT	2" NPT

Materials

Cabinet	Powder Coated Galvaneal Steel						
Heat Exchanger	316L Stainless Steel Water Tube						

Safety Devices	Flame Rectifier Probe, Dual Water Supply Temperature Sensor / High Limit (210°F), Freeze Protection, Condensate Trap with Float, Dual Flue Sensor (210°F), Blocked Vent Pressure Switch, Internal UL 353 Approved Low Water Cut-Off (LWCO), High Resolution Flow Switch

Model	Water Connection	Vent Size	Air Intake	Gas Connection	Condensate
ELX-400VWHN - ELX-500VWHN	2" NPT	4"	4"	1"	3/4" PVC
ELX-650VWHN		6"	6"	1"	
ELX-800VWHN - ELX-1000VWHN				1-1/4"	
ELX-1500VWHN	2 1/2" Flange	8"	8"	1-1/2"	1" PVC
ELX-2000VWHN				2"	

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R
ELX-400FVWHN/ ELX-500FVWHN	41.0	26.0	40.7	17.9	35.0	4.1	10.1	10.5	12.6	16.1	20.5	22.0	6.1	8.1	25.8	35.0	2.8*
ELX-650FVWHN - ELX-1000FVWHN			56.5														
ELX-1500FVWHN	60.8	31.8	66.5	39.2	44.8	51.2	3.4	7.4	7.5	11.9	14.4	24.4	31.8	4.6	6.5	22.7	39.1
ELX-2000FVWHN			79.0														

399,000 to 1,000,000 Btuh Units

1,500,000 to 2,000,000 Btuh Units

ARISTON GROUP