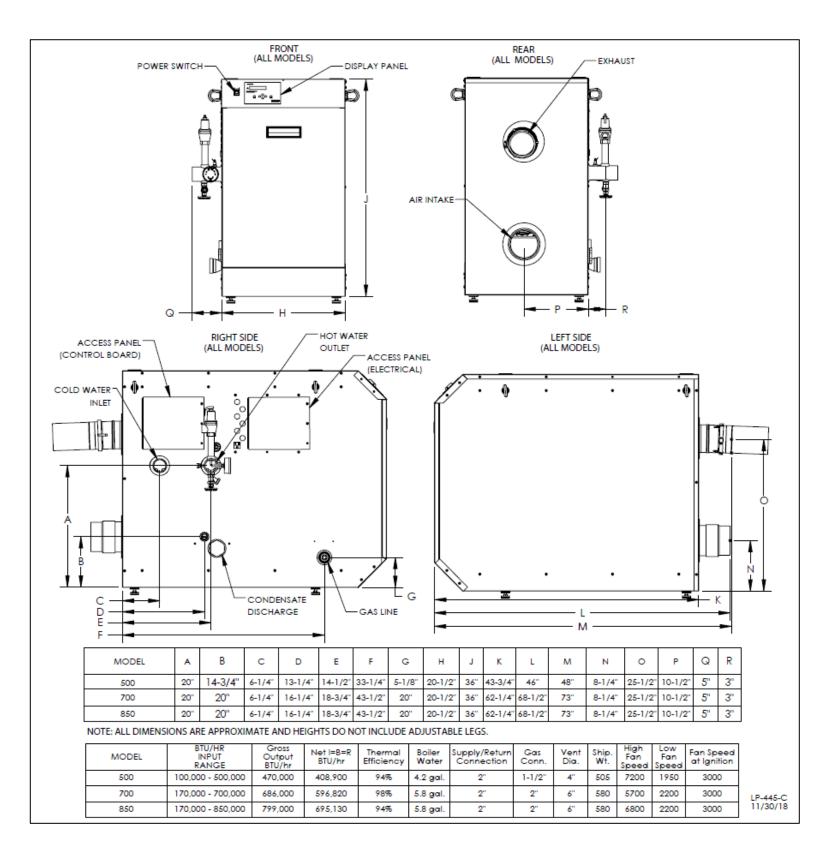


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Mod Con Commercial Condensing Heating Boiler Submittal

JOB NAME:			
LOCATION:			
ARCH./ENGR.:			
WHOLESALER:			
MECH. CONTRACTOR:			
MODEL NUMBER:			
TYPE OF GAS: BTU/HR INPUT	T LOW – HIGH FIRE:		
NOTES:			
Heat Exchanger	Additional Features		
 All Stainless Steel Construction. 160 PSI ASME stamped construction. National Board listed. Gasketless heat exchanger design ASME 75 PSI relief valve Front service access to combustion chamber and burner Inlet and outlet temperature sensor 	 Superior condensate collection system with float switch (patent pending) 10 year limited warranty Vents in PVC - CPVC - stainless steel – up to 200 equivalent feet (combined intake and exhaust) Optional stacking kit allows boilers to be double stacked for space savings 		
 Combustion System Modulating burner with up to 5 to 1 turndown Up to 98% thermal efficiency High-Grade Inconel burner design Spark ignition Models available for Natural or LP Gas 	 Built-in low water cut-off Adjustable leveling legs Flue / Water High temperature limit with Manual reset Blocked vent pressure switch Pressure and temperature gauge Low NOx emissions – SCAQMD Certified 		
 Dual flame monitoring (Spark and Flame probe) 	Optional Equipment		
Gas Valve pressure range 3 ½" minimum to 14" maximum Water Column	Indirect Sensor (Part # 7250P-325)		
	System Sensor (Part # 7250P-324)		
Integrated Control System	4" Stainless Steel Outside Termination Vent Kit (Part # V2000)		
926 Digital operating control with LED display	4 Stanness Steel Outside Tel mination Vent Kit (1 art # V2000)		
 LED indicators for System Pump – Boiler Pump – DHW Pump – System Fault – System Operation – Freeze Protection – Flame On – Fault Indication 	☐ 6" Stainless Steel Outside Termination Vent Kit (Part # V3000)		
• On/Off Switch	☐ High and Low Gas Pressure Switch Kit with Manual Reset		
Password protected	(Part # 7350P-600)		
Outdoor reset with indirect priority	THE COLUMN THE PROPERTY OF THE		
 Multiple 120 volt pump outputs – boiler pump – system pump - DHW pump 	☐ Flow Switch Kit (Part # 7350P-605)		
• 24 volt monitoring			
 0-10 VDC input from a building management system 	W/ Manual Reset (1 art # 74301-223)		
 Boiler output regulation (adjustment of boiler output down to 50% of rated capacity) 	☐ Alarm System to monitor any failure (Part # 7350P-602)		
• Field wiring connection board / Cascade wiring CAT 3 or 5	☐ Condensate Neutralizer (Part # 7350P-611)		
A/C convenience receptacle for condensate pump Dry contest for clown output	Commence		
 Dry contact for alarm output Cascade up to 8 boilers 	☐ Boiler Stacking Kit (Part # 7350P-603)		
	☐ Boiler Caster Kit (Part # 7350P-604)		
LP-466.sub Rev. 7.30.20	☐ PC Connection Cable w / Software (Part # 7250P-738)		

☐ MODBUS / BACnet (7350P-636)



Model		500	700	850	
Installation		Indoor, Floor Standing, Fully Condensing			
Minimum / Maximum Input (Btu/Hr)		100,000 / 500,000	170,000 / 700,000	170,000 / 850,000	
Heating Capacity (MBH)		470	686	799	
Flue System		Category IV, Sealed Combustion Direct Vent, Power Vent			
Minimum Combined Vent Run		16 feet			
Maximum Combined Vent Run		4" (200 feet) 6" (200 feet)			
Approved Exhaust Vent Materials		PVC, CPVC, PP, Stainless Steel			
Shipping Weight (lbs)		505 580			
Gas Supply	NG	3.5" to 14" WC			
Pressure	LP				
Manifold Pressure	Min / Max	NG/LP: -0.01"WC			
Power Supply		120V 60 Hz, 6.3A			
General Operating Conditions		Ambient Temperature Range: 33 – 104°F (0.6 – 40°C) Product Approvals and Requirements: ANSI Z21.13 / CSA 4.9			
Ignition System		Direct Electronic Spark Ignition / Flame Rectification			
Burner System		Premixed Fuel Modulation / Stainless Steel Metal Fiber Burner			
Gas Valve System		Air Ratio Valve			
Dimensions (in Inches)	W	20.5			
	- H	36			
	D	46 68.5			
Boiler Water Content (Gallons)		4.2	4.2 5.8		
Minimum Flow Rate @ 30°F ΔT (GPM)		33 54			
Boiler Setpoint Temperature Range		50 – 190°F / 32 - 190°F (with Outdoor Reset Curve)			
DHW Indirect Setpoint Temperature Range		70 – 185°F			
Water Pressure (PSI)	Heat Exchanger MAWP	160			
	Pressure Relief Valve	75			
Control Panel / Main Controller		LCD Display with LED Indicators / 926 SIT Control			
Connection	Supply / Return	2" NPT			
Sizes	Gas Inlet	1 1/2" NPTF	2"	NPTF	
Materials	Cabinet	Powder Coated Galvaneal Steel			
	Heat Exchanger	316L Stainless Steel Water Tube			
Safety Devices		Flame Rectifier Probe, Water Temperature High Limit Switch (190°F), Freeze Protection, Condensate Trap with Overflow Switch, Included LWCO (Optional UL 353 LWCO), Blocked Vent Pressure Switch, Optional Gas High/Low Pressure Switch			

NOTE: HTP reserves the right to make product changes or updates without notice and will not be held liable for typographical errors in literature.