

# Powermaster Series VT3-HW

## Two Pass Vertical Hot Water Boilers

Maximum allowable working pressure 100 psig



### Boiler Data Sheet

#### MODEL BHP

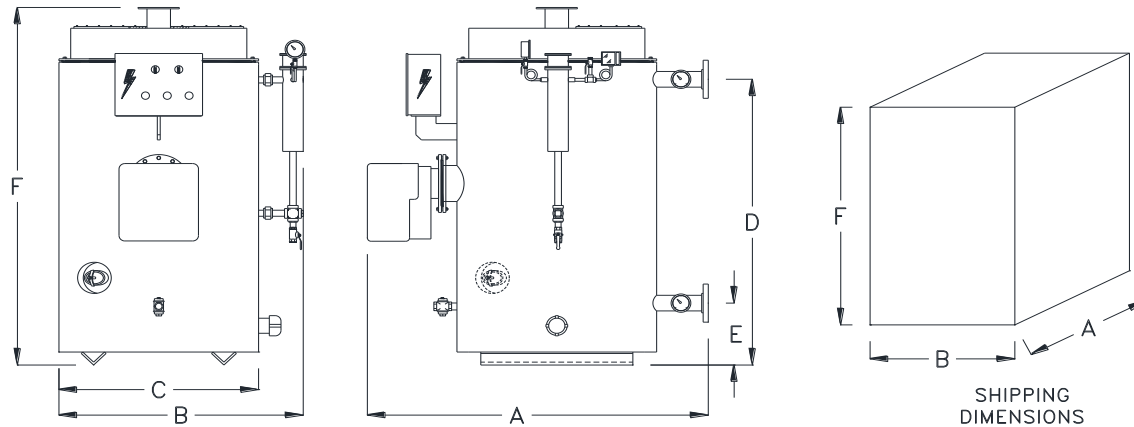
NOMINAL CAPACITIES		5	10	15	20	25	30	35	40	50	60
Heating Output	MBH	167	335	502	670	837	1,004	1,172	1,339	1,674	2,009
Heating Output	KW	49	98	147	196	245	294	343	392	490	589
Heating Output	Mcal/hr	42	84	127	169	211	253	295	337	422	506

#### FIRING RATE FOR BURNER SELECTION\*

Natural Gas ( 1,000 BTU/ft <sup>3</sup> )	ft <sup>3</sup> /hr	209	418	628	837	1,046	1,255	1,465	1,674	2,092	2,511
LP Gas ( 91,500 BTU/gal )	gal/hr	2.3	4.6	6.9	9.1	11.4	13.7	16.0	18.3	22.9	27.4

#### WEIGHTS

Empty Boiler	lb	2,004	2,004	2,967	2,967	4,050	4,050	5,201	5,201	7,597	7,597
Flooded Boiler	lb	2,590	2,590	3,940	3,940	5,501	5,501	7,094	7,094	10,238	10,238



DIMENSIONS		5	10	15	20	25	30	35	40	50	60
A	Boiler Length (includes burner)	ft	5.31	5.31	6.23	6.23	6.89	6.89	8.63	8.63	9.51
B	Total Width	ft	3.71	3.71	4.40	4.40	5.09	5.09	5.64	5.64	6.56
C	Limit Width**	ft	2.69	2.69	3.38	3.38	4.07	4.07	4.63	4.63	5.54
D	Height from floor to hot water output	ft	4.43	4.43	5.02	5.02	5.15	5.15	5.31	5.31	5.48
E	Height from floor to hot water return	ft	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41
F	Total Height	ft	5.71	5.71	6.27	6.27	6.40	6.40	6.56	6.56	6.76

#### CONNECTIONS

Smoke Stack Diameter	in	6	6	8	8	9	9	10	10	10	10
Hot Water Outlet to Circuit Diameter	in	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	3	3
Hot Water Return from Circuit Diameter	in	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	3	3
Air Purge Diameter	in	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Bottom Drain Diameter	in	1	1	1	1	1	1	1	1	1 1/4	1 1/4
Maximum Safety Valves Output Diameter	in	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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\* The actual firing rate depends on fuel quality, burner selection and adjustment, combustion controls, operating pressure, etc. For an estimated calculation of a specific configuration contact your Powermaster salesman.

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\*\* Width for freight clearance