

SUBMITTAL SHEET

JOB NAME _____

LOCATION _____

ARCH. / ENGR. _____

WHOLESALER _____

MECH. CONTRACTOR _____

MODEL NO. _____ GAS TYPE _____

BTU/HR INPUT _____ BTU/HR OUTPUT _____

NOTES _____

FEATURES

BOILER

- High Efficiency Design
 - Up to 87% Thermal Efficiency
 - Up to 88% Combustion Efficiency
- Cast iron sections
- Water boiler heating medium
- 960–5440 MBH performance range (4-18 sections)
- Power burner for gas, gas-oil, oil (except H-XX88 models)
- Burner mounting plate with refractory (except H-XX88 models)
- 30 psi, ASME relief valve
- Combustion high limit and low limit with manual reset control
- Combination pressure/temperature gauge
- Nipple and 5"x6" reducing coupling (1288–1888 boilers)
- Integrated air eliminator
- Knock-down, assembled block or packaged configurations
- HXT-bars for optimized heat transfer
- Industrial-grade steel jacket
 - Easy-access, modular design panels with toolless entry
 - 3" insulation to maximize boiler efficiency

- High temp site glass grommets
- Part number reference on all components for intuitive assembly
- Cast iron flue collare with built-in breaching damper
- Observation ports on front and back sections
- Cleanout plates with reusable gaskets
 - 1/4" thick steel plates
 - Coated, woven fiberglass gasket material
- Flue brush
- Stainless steel vent adapter
- CAT II vent compliant design requirement

PACKAGED BOILERS

- Factory water tested
- Lifting cables attached to block assembly
- Steel skid on bottom of boiler
- Low water cut-off

OPTIONAL EQUIPMENT

- Factory assembled sections
- Burner mounting plate with refractory for "H" boiler configurations
- Intermediates with tankless heater opening
- Tankless heaters for domestic hot water
- Tankless heater opening cover plates
- Low water cutoffs

- Barometric dampers
- Side inspection tappings with plugs
 - 2 per section
- Dual-range manometer
- Optional burners and burner controls

WARRANTY

Limited transferable, Non-Prorated

- 10 years on heat exchanger
- 1 year on parts



RATINGS

Model	Burner Capacity		Gross Output ¹		Net Ratings ¹		Efficiency Ratings				Boiler H.P.	Flue Outlet (Dia.)	Boiler Water Content (MBH)	Approx. Weight (Lbs.)
	Oil Input (GPH)	Gas Input (MBH)	Oil Output (MBH)	Gas Output (MBH)	Oil Output (MBH)	Gas Output (MBH)	Oil		Gas					
							Combustion Efficiency	Thermal Efficiency	Combustion Efficiency	Thermal Efficiency				
488	6.9	960	804	806	731	701	—	87%	—	84%	23.8	10"	109	2,860
588	9.1	1280	1108	1075	964	935	—	87%	—	84%	31.7	10"	132	3,340
688	11.4	1600	1389	1344	1207	1169	—	87%	—	84%	39.7	12"	155	3,820
788	13.8	1920	1681	1613	1462	1402	—	87%	—	84%	47.6	12"	178	4,345
888	16	2240	1949	1882	1695	1636	—	87%	—	84%	55.6	14"	201	4,925
988	18.2	2560	2242	2176	1950	1892	88%	—	85%	—	63.5	14"	224	5,600
1088	20.5	2880	2526	2448	2196	2129	88%	—	85%	—	71.4	14"	247	6,130
1188	23	3200	2834	2720	2464	2365	88%	—	85%	—	79.4	16"	270	6,695
1288	25	3520	3080	2992	2678	2602	88%	—	85%	—	87.3	16"	293	7,260
1388	27.5	3840	3388	3264	2946	2838	88%	—	85%	—	95.2	16"	316	7,890
1488	29.5	4160	3634	3536	3160	3075	88%	—	85%	—	103.2	18"	339	8,410
1588	32	4480	3942	3808	3428	3311	88%	—	85%	—	111.1	18"	362	9,005
1688	34.5	4800	4250	4080	3696	3548	88%	—	85%	—	119	18"	385	9,525
1788	36.5	5120	4497	4352	3910	3784	88%	—	85%	—	127	18"	408	9,780
1888	39	5440	4805	4624	4178	4021	88%	—	85%	—	134.9	20"	431	10,775

¹ AHRI Certified Ratings

DIMENSIONS

Model	Dimensions						Supply Tappings (No. / Size)	Return Tappings (No. / Size)
	D	E	L	W	H	F		
488	10"	54 3/4"	34 3/4"	30"	23 3/8"		1 - 5"	1 - 6"
588	10"	54 3/4"	42 3/4"	38"	31 3/8"		1 - 5"	1 - 6"
688	12"	53 3/4"	50 3/4"	46"	39 3/8"		1 - 5"	1 - 6"
788	12"	53 3/4"	58 3/4"	54"	47 3/8"		1 - 5"	1 - 6"
888	14"	52 3/4"	66 3/4"	62"	55 3/8"		1 - 5"	1 - 6"
988	14"	52 3/4"	74 3/4"	70"	63 3/8"		1 - 5"	1 - 6"
1088	14"	52 3/4"	82 3/4"	78"	71 3/8"		1 - 5"	1 - 6"
1188	16"	51 3/4"	90 3/4"	86"	79 3/8"		1 - 5"	1 - 6"
1288	16"	51 3/4"	98 3/4"	94"	87 3/8"		1 - 5"	1 - 6"
1388	16"	51 3/4"	106 3/4"	102"	95 3/8"		1 - 5"	1 - 6"
1488	18"	51 3/4"	114 3/4"	110"	103 3/8"		1 - 5"	1 - 6"
1588	18"	51 3/4"	122 3/4"	118"	111 3/8"		1 - 5"	1 - 6"
1688	18"	51 3/4"	130 3/4"	126"	119 3/8"		1 - 5"	1 - 6"
1788	18"	51 3/4"	138 3/4"	134"	127 3/8"		1 - 5"	1 - 6"
1888	20"	51 3/4"	146 3/4"	142"	135 3/8"		1 - 5"	1 - 6"

See burner specification & data sheets

