

Peerless® Boilers



PeerlessBoilers.com

Series 211A™ Large Commercial Steam Boilers

Series 211A™ Boiler Features

- ✓ **Atmospheric Gas Fired, Commercial Cast Iron Boiler - Available for Natural or LP Gas**
- ✓ **8 sizes with inputs of 840 - 2,310 MBH; Available as Knockdown (Replacement Boiler Sections Available with Input Ranges of 630 - 7,560 MBH).**
- ✓ **Natural Draft (Chimney) Venting**
- ✓ **Large Water Content**
- ✓ **Built-in Horizontal to Vertical Draft Hood Provides Low Profile Design—Ideal for Installations with Low Ceilings**
- ✓ **Exclusive Access Design—Accessibility to Flueways from Both Ends for Inspection and Cleaning without Removing Entire Jacket**



Standard Equipment

- ✓ **Manual Reset High Limit Control**
- ✓ **Honeywell Operating Controls**
- ✓ **Injection Molded Flex-Seal Flow Port Gaskets**
- ✓ **Factory Assembled Gas Train to Meet ANSI Z21.13**
- ✓ **Individual Draw Rods for Ease of Assembly**
- ✓ **Probe Type LWCO with Manual Reset**
- ✓ **Gauge Glass and Fittings**
- ✓ **Pressure Gauge**
- ✓ **15 PSI Safety Valve**
- ✓ **CSD-1 Compliant**

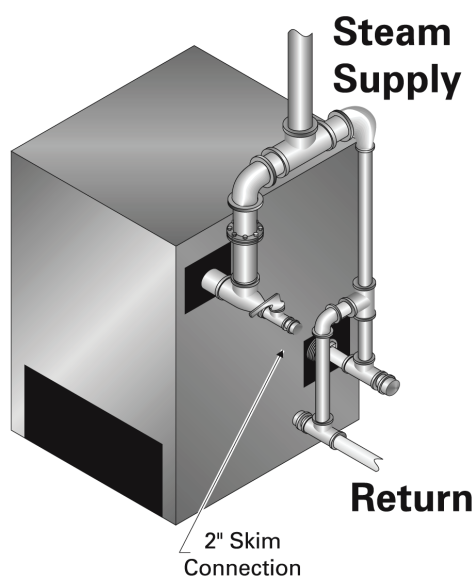


SCAN FOR
SERIES 211A™
PRODUCT INFO

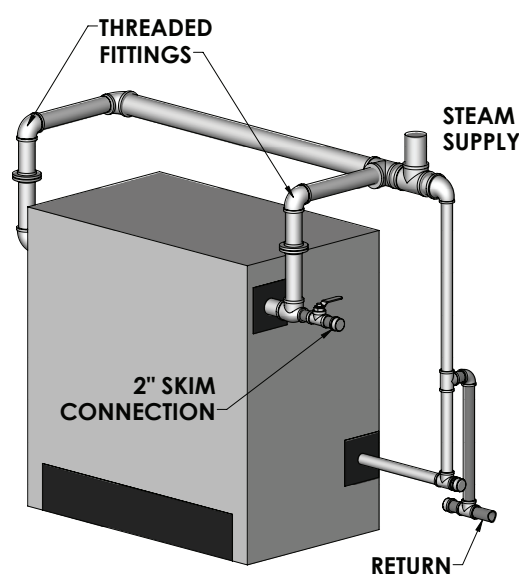
LIMITED
10-YEAR WARRANTY

All commercial cast iron boilers include a full one-year warranty. A limited, ten-year warranty is provided for the cast iron sections of commercial steam boilers. Visit PeerlessBoilers.com for complete details.

STEAM PIPING



211A-05 - 211A-07
SINGLE END RISER



211A-08 - 211A-12
TWO END RISER

Notes:

Pipe the return line to the Hartford Loop, with the return nipple located from 2 to 4 inches below the normal water line.

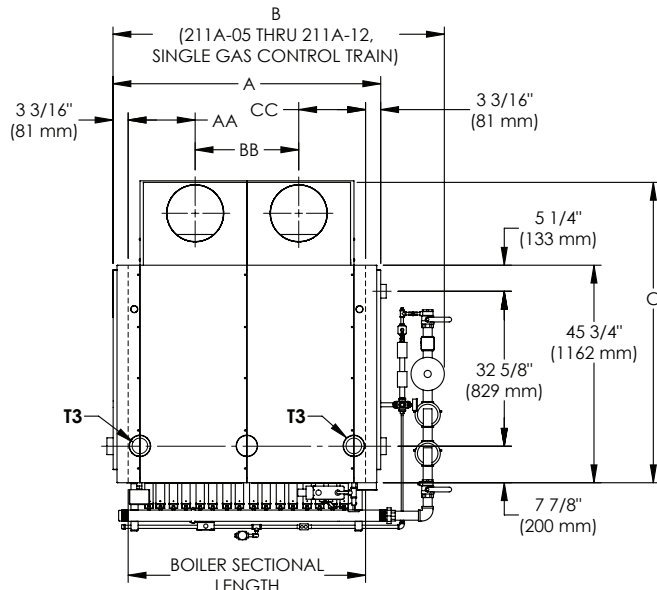
Offset Header required to prevent damage to boiler from expansion of header. User threaded fittings for swing joint.

HEADER, RISERS & EQUALIZER SIZING

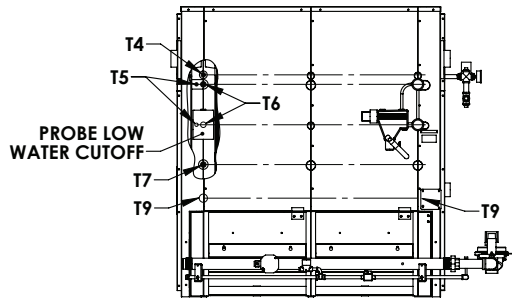
Boiler Model Number	Header Size	Option 1				Option 2			
		End Risers		Equalizers		End Risers		Equalizers	
		No.	Size	No.	Size	No.	Size	No.	Size
211A-05	5"	1	5"	1	2-1/2"	2	4"	1	2-1/2"
211A-06	5"	1	5"	1	2-1/2"	2	4"	1	2-1/2"
211A-07	5"	1	5"	1	2-1/2"	2	4"	1	2-1/2"
211A-08	6"	2	5"	1	2-1/2"	—	—	—	—
211A-09	6"	2	5"	1	2-1/2"	—	—	—	—
211A-10	6"	2	5"	1	3"	—	—	—	—
211A-11	6"	2	5"	1	3"	—	—	—	—
211A-12	8"	2	5"	1	3"	—	—	—	—

BOILER SPECS

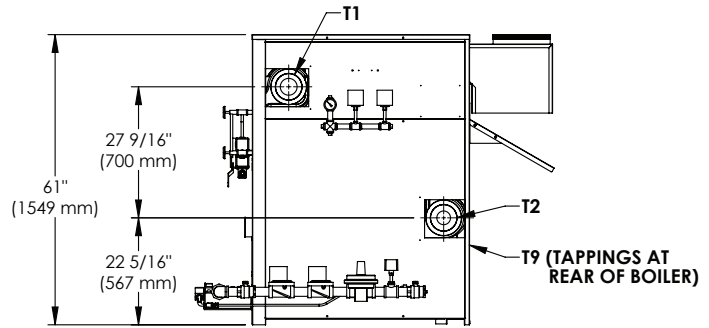
Boiler Model Number	Gas Connection Size (Nat. Gas)	Draft Hoods No. & Size	Flue Size to Stack	Chimney Size	Approx. Shipping Weight (lbs.)
211A-05	1"	(1) 12"	12"	12" x 20'	2900
211A-06	1-1/4"	(1) 14"	14"	14" x 20'	3450
211A-07	1-1/4"	(2) 12"	14"	14" x 20'	3900
211A-08	1-1/4"	(2) 12"	15"	15" x 20'	4390
211A-09	1-1/2"	(2) 12"	16"	16" x 20'	4875
211A-10	1-1/2"	(2) 14"	17"	17" x 20'	5320
211A-11	2"	(2) 14"	18"	18" x 20'	5900
211A-12	2"	(3) 12"	18"	18" x 20'	6370



TOP VIEW



FRONT VIEW



RIGHT SIDE VIEW

TAPPING SCHEDULE	
T1	6" NPT END SUPPLY RISER TAPS, ONE EACH END SECTION
T2	6" NPT END RETURN TAPS, ONE EACH END SECTION
T3	3" NPT TAP, TOP, ONE EACH END SECTION
T4	3/4" NPT TAP, ONE EACH END SECTION
T5	1/2" NPT TAP, TWO EACH END SECTION
T6	1" NPT TAP, ONE EACH END SECTION
T7	1" NPT TAP, ONE EACH END SECTION
T8	3/4" NPT TAP, ONE EACH END SECTION, FOR PROBE LWCO
T9	1-1/2" NPT TAP, ONE AT LOWER REAR OF BOILER, EACH END SECTION, BLOWDOWN

BOILER DIMENSIONS

Boiler Model Number	Length & Width Dimensions								Boiler Section Length	
	A		B		C					
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
211A-05	33-3/4	857	44	1,118	63	160	27-3/8	695		
211A-06	39-3/8	1,000	50-1/4	1,276	65	165	33	838		
211A-07	45	1,143	55-7/8	1,419	63	160	38-5/8	981		
211A-08	50-5/8	1,286	61-3/4	1,568	63	160	44-1/4	1,124		
211A-09	56-1/4	1,429	67-5/8	1,718	63	160	49-7/8	1,267		
211A-10	61-7/8	1,572	73-1/4	1,861	65	165	55-1/2	1,410		
211A-11	67-1/2	1,715	80-3/4	2,051	65	165	61-1/8	1,553		
211A-12	73-1/8	1,857	86-3/8	2,194	63	160	66-3/4	1,695		

FLUE COLLECTOR CENTER LINES

Boiler Model Number	Flue Connection Centerline Dimensions						Flue Connections			Vent Connector Diameter		Chimney Diameter x 20 ft (6m) high	
	AA		BB		CC		No.	Size		inch	mm	inch	mm
	inch	mm	inch	mm	inch	mm		inch	mm				
211A-05	13-3/4	349	—	—	—	—	1	12	305	12	305	12	305
211A-06	16-1/2	419	—	—	—	—	1	14	356	14	356	14	356
211A-07	10-7/8	276	16-7/8	429	—	—	2	12	305	14	356	14	356
211A-08	13-3/4	349	19-5/8	498	—	—	2	12	305	15	381	15	381
211A-09	13-3/4	349	22-1/2	572	—	—	2	12	305	16	406	16	406
211A-10	13-1/2	419	25-3/8	645	—	—	2	14	356	17	432	17	432
211A-11	16-1/2	419	28-1/8	714	—	—	2	14	356	18	457	18	457
211A-12	13-3/4	349	22-1/2	572	19-5/8	498	3	12	305	18	457	18	457

Technical Information

211A™ BOILER RATINGS



Boiler Model Number	Natural Gas Ratings										LP Gas (2500 Btu/cu. ft.; 93,000 kJ/m³)										Efficiency¹	
	Input		Gross Output¹		Net Ratings²				Steam Piping Factor	Boiler H.P.	Input		Gross Output¹		Net Ratings²				Steam Piping Factor	Boiler H.P.	Thml	Cmb
					Steam EDR		Steam								Steam EDR		Steam					
	MBH	kW	MBH	kW	Sq. Ft.	m²	MBH	kW	Sq. Ft.	m²	MBH	kW	MBH	kW	Sq. Ft.	m²	MBH	kW	Sq. Ft.	m²	%	%
211A-05	840	246	664	195	2,075	193	498	146	1.333	19.9	820	240	648	190	2,025	188	486	142	1.333	19.3	79	80
211A-06	1,050	308	830	243	2,596	241	623	183	1.332	24.9	1,025	300	810	237	2,533	235	608	178	1.332	24.2	79	80
211A-07	1,260	369	995	292	3,108	289	746	219	1.334	29.8	1,230	360	972	285	3,038	282	729	214	1.333	29.1	79	80
211A-08	1,470	431	1,161	340	3,629	337	871	255	1.333	34.7	1,435	421	1,134	332	3,546	329	851	249	1.333	35.2	79	80
211A-09	1,680	492	1,327	389	4,146	385	995	292	1.334	39.7	1,640	481	1,296	380	4,050	376	972	285	1.333	38.7	79	80
211A-10	1,890	554	1,493	438	4,667	434	1,120	328	1.333	44.6	1,845	541	1,458	427	4,558	423	1,094	321	1.333	43.6	79	80
211A-11	2,100	615	1,659	486	5,183	482	1,244	365	1.334	49.6	2,050	601	1,620	475	5,063	470	1,215	356	1.333	48.9	79	80
211A-12	2,310	677	1,825	535	5,704	530	1,369	401	1.333	54.5	2,255	661	1,781	522	5,567	517	1,336	392	1.333	53.3	79	80

1. Gross Output Rating, Thermal Efficiency and Combustion. Efficiency determined in accordance with AHRI requirements.

2. Net AHRI steam ratings based on steam piping factor shown in table.

3. Consult factory before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

211A™ BOILER REPLACEMENT RATINGS

Boiler Model Number	Natural Gas Ratings										LP Gas (2500 Btu/cu. ft.; 93,000 kJ/m)									
	Input		Gross Output		Net Ratings				Steam Piping Factor	Boiler H.P.	Input		Gross Output		Net Ratings				Steam Piping Factor	Boiler H.P.
					Steam EDR		Steam								Steam EDR		Steam			
	MBH	kW	MBH	kW	Sq. Ft.	m	MBH	kW			MBH	kW	MBH	kW	Sq. Ft.	m	MBH	kW		
211A-04	630	185	486	142	1,521	141	365	107	1.333	14.5	615	180	474	139	1,483	138	356	104	1.333	14.2
211A-13	2,520	739	1,958	574	6,333	588	1,520	445	1.288	58.5	2,460	721	1,911	560	6,179	574	1,483	435	1.289	57.1
211A-14	2,730	800	2,124	622	6,871	638	1,649	483	1.288	63.5	2,665	781	2,073	608	6,704	623	1,609	472	1.288	61.9
211A-15	2,940	862	2,290	671	7,408	688	1,778	521	1.288	68.4	2,870	841	2,236	655	7,233	672	1,736	509	1.288	66.8
211A-16	3,150	923	2,454	719	7,938	737	1,905	558	1.288	73.3	3,075	901	2,395	702	7,746	720	1,859	545	1.288	71.5
211A-17	3,360	985	2,621	768	8,479	788	2,035	596	1.288	78.3	3,280	961	2,558	750	8,275	769	1,986	582	1.288	76.4
211A-18	3,570	1,046	2,785	816	9,008	837	2,162	634	1.288	83.2	3,485	1,021	2,718	797	8,792	817	2,110	618	1.288	81.2
211A-19	3,780	1,108	2,952	865	9,550	887	2,292	672	1.288	88.2	3,690	1,081	2,882	845	9,325	866	2,238	656	1.288	86.1
211A-20	3,990	1,169	3,116	913	10,079	936	2,419	709	1.288	93.1	3,895	1,142	3,042	892	9,842	914	2,362	692	1.288	90.9
211A-21	4,200	1,231	3,280	961	10,613	986	2,547	746	1.288	98	4,100	1,202	3,202	938	10,358	962	2,486	729	1.288	95.7
211A-22	4,410	1,292	3,449	1,011	11,158	1,037	2,678	785	1.288	103	4,305	1,262	3,367	987	10,892	1,012	2,614	766	1.288	100.6
211A-23	4,620	1,354	3,599	1,055	11,642	1,082	2,794	819	1.288	107.5	4,510	1,322	3,513	1,030	11,363	1,056	2,727	799	1.288	104.9
211A-24	4,830	1,416	3,763	1,103	12,175	1,131	2,922	856	1.288	112.4	4,715	1,382	3,673	1,076	11,883	1,104	2,852	836	1.288	109.7
211A-25	5,040	1,477	3,931	1,152	12,717	1,181	3,052	894	1.288	117.4	4,920	1,442	3,838	1,125	12,417	1,154	2,980	873	1.288	114.7
211A-26	5,250	1,539	4,095	1,200	13,246	1,231	3,179	932	1.288	122.3	5,125	1,502	3,998	1,172	12,933	1,202	3,104	910	1.288	119.4
211A-27	5,460	1,600	4,259	1,248	13,779	1,280	3,307	969	1.288	127.2	5,330	1,562	4,157	1,218	13,446	1,249	3,227	946	1.288	124.2
211A-28	5,670	1,662	4,428	1,298	14,325	1,331	3,438	1,008	1.288	132.3	5,535	1,622	4,323	1,267	13,983	1,299	3,356	984	1.288	129.1
211A-29	5,880	1,723	4,592	1,346	14,854	1,380	3,565	1,045	1.288	137.2	5,740	1,682	4,483	1,314	14,504	1,347	3,481	1,020	1.288	133.9
211A-30	6,090	1,785	4,756	1,394	15,388	1,430	3,693	1,082	1.288	142.1	5,945	1,742	4,643	1,361	15,021	1,395	3,605	1,057	1.288	138.7
211A-31	6,300	1,846	4,920	1,442	15,917	1,479	3,820	1,120	1.288	147	6,150	1,802	4,803	1,408	15,538	1,444	3,729	1,093	1.288	143.5
211A-32	6,510	1,908	5,084	1,490	16,446	1,528	3,947	1,157	1.288	151.9	6,355	1,862	4,963	1,455	16,054	1,491	3,853	1,129	1.288	148.3
211A-33	6,720	1,969	5,255	1,540	17,000	1,579	4,080	1,196	1.288	157	6,560	1,923	5,130	1,503	16,596	1,542	3,983	1,167	1.288	153.2
211A-34	6,930	2,031	5,419	1,588	17,529	1,628	4,207	1,233	1.288	161.9	6,765	1,983	5,290	1,550	17,113	1,590	4,107	1,204	1.288	158
211A-35	7,140	2,093	5,583	1,636	18,063	1,678	4,335	1,270	1.288	166.8	6,970	2,043	5,451	1,598	17,633	1,638	4,232	1,240	1.288	162.8
211A-36	7,350	2,154	5,748	1,685	18,596	1,728	4,463	1,308	1.288	171.7	7,175	2,103	5,611	1,644	18,150	1,686	4,356	1,277	1.288	167.6
211A-37	7,560	2,216	5,904	1,730	19,100	1,774	4,584	1,343	1.288	176.4	7,380	2,163	5,764	1,689	18,646	1,732	4,475	1,311	1.288	172.2



PeerlessBoilers.com

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PRODUCT INFO