

23 52 Heating Boilers

23 52 23 – Cast-Iron Boilers

23 52 23.40 Oil-Fired Boilers

		Crew	Daily Output	Labor- Hours	Unit	Material	2022 Bare Costs Labor	Equipment	Total	Total Incl O&P
0010	OIL-FIRED BOILERS , Standard controls, flame retention burner, packaged									
1000	Cast iron, with insulated flush jacket									
2000	Steam, gross output, 109 MBH	Q-7	1.20	26.667	Ea.	2,500	1,775		4,275	5,425
2060	207 MBH		.90	35.556		3,375	2,375		5,750	7,275
2180	1,084 MBH		.38	85.106		11,700	5,700		17,400	21,400
2280	3,000 MBH		.19	170		24,100	11,400		35,500	43,500
2380	5,520 MBH		.14	235		84,500	15,800		100,300	116,500
2460	6,970 MBH	↓	.09	364	↓	108,500	24,300		132,800	156,000
3000	Hot water, same price as steam									
4000	For tankless coil in smaller sizes, add				Ea.	15%				

23 52 26 – Steel Boilers

23 52 26.40 Oil-Fired Boilers

0010	OIL-FIRED BOILERS , Standard controls, flame retention burner									
5000	Steel, with insulated flush jacket									
7000	Hot water, gross output, 103 MBH	Q-6	1.60	15	Ea.	2,225	985		3,210	3,925
7120	420 MBH		.70	34.483		5,325	2,275		7,600	9,225
7320	3,150 MBH	↓	.13	185		43,000	12,100		55,100	65,500
7340	For tankless coil in steam or hot water, add				↓	7%				

23 52 28 – Swimming Pool Boilers

23 52 28.10 Swimming Pool Heaters

0010	SWIMMING POOL HEATERS , Not including wiring, external									
0020	pipng, base or pad									
0160	Gas fired, input, 155 MBH	Q-6	1.50	16	Ea.	1,850	1,050		2,900	3,625
0200	199 MBH		1	24		2,000	1,575		3,575	4,550
0280	500 MBH		.40	60		7,350	3,950		11,300	14,000
0400	1,800 MBH	↓	.14	171		20,800	11,300		32,100	39,700
2000	Electric, 12 KW, 4,800 gallon pool	Q-19	3	8		2,225	515		2,740	3,225
2020	15 KW, 7,200 gallon pool		2.80	8.571		2,350	550		2,900	3,400
2040	24 KW, 9,600 gallon pool		2.40	10		2,675	645		3,320	3,900
2100	57 KW, 24,000 gallon pool	↓	1.20	20	↓	3,975	1,275		5,250	6,300

23 54 Furnaces

23 54 13 – Electric-Resistance Furnaces

23 54 13.10 Electric Furnaces

0010	ELECTRIC FURNACES , Hot air, blowers, std. controls									
0011	not including gas, oil or flue piping									
1000	Electric, UL listed									
1070	10.2 MBH	Q-20	4.40	4.545	Ea.	345	281		626	800
1080	17.1 MBH		4.60	4.348		420	269		689	870
1100	34.1 MBH		4.40	4.545	↓	530	281		811	1,000

23 54 16 – Fuel-Fired Furnaces

23 54 16.13 Gas-Fired Furnaces

0010	GAS-FIRED FURNACES									
3000	Gas, AGA certified, upflow, direct drive models									
3020	45 MBH input	Q-9	4	4	Ea.	715	243		958	1,150
3040	60 MBH input		3.80	4.211		645	256		901	1,100
3060	75 MBH input		3.60	4.444		880	270		1,150	1,375
3100	100 MBH input	↓	3.20	5	↓	840	305		1,145	1,375