

23 54 Furnaces

23 54 16 – Fuel-Fired Furnaces

23 54 16.16 Oil-Fired Furnaces

0010 OIL-FIRED FURNACES

		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs Labor	Equipment	Total	Total Incl O&P
6000	Oil, UL listed, atomizing gun type burner									
6020	56 MBH output	Q-9	3.60	4.444	Ea.	3,375	270		3,645	4,125
6030	84 MBH output		3.50	4.571		3,575	278		3,853	4,350
6040	95 MBH output		3.40	4.706		3,600	286		3,886	4,375
6060	134 MBH output		3.20	5		3,500	305		3,805	4,300
6080	151 MBH output	↓	3	5.333	↓	3,900	325		4,225	4,775

23 55 Fuel-Fired Heaters

23 55 13 – Fuel-Fired Duct Heaters

23 55 13.16 Gas-Fired Duct Heaters

0010 GAS-FIRED DUCT HEATERS, Includes burner, controls, stainless steel

0020	heat exchanger. Gas fired, electric ignition									
0030	Indoor installation									
0100	120 MBH output	Q-5	4	4	Ea.	3,200	253		3,453	3,900
0130	200 MBH output		2.70	5.926		4,125	375		4,500	5,100
0140	240 MBH output		2.30	6.957		5,050	440		5,490	6,200
0180	320 MBH output	↓	1.60	10		3,925	635		4,560	5,275
0300	For powered venter and adapter, add				↓	520			520	575
0502	For required flue pipe, see Section 23 51 23.10									
1000	Outdoor installation, with power venter									
1020	75 MBH output	Q-5	4	4	Ea.	3,450	253		3,703	4,150
1060	120 MBH output		4	4		4,250	253		4,503	5,050
1100	187 MBH output		3	5.333		5,600	340		5,940	6,675
1140	300 MBH output		1.80	8.889		6,475	565		7,040	7,950
1180	450 MBH output	↓	1.40	11.429	↓	7,550	725		8,275	9,375

23 55 23 – Gas-Fired Radiant Heaters

23 55 23.10 Infrared Type Heating Units

0010 INFRARED TYPE HEATING UNITS

0020	Gas fired, unvented, electric ignition, 100% shutoff.									
0030	Piping and wiring not included									
0120	45 MBH	Q-5	5	3.200	Ea.	1,350	203		1,553	1,775
0160	60 MBH		4	4		1,250	253		1,503	1,750
0240	120 MBH	↓	2	8	↓	2,125	505		2,630	3,100
1000	Gas fired, vented, electric ignition, tubular									
1020	Piping and wiring not included, 20' to 80' lengths									
1030	Single stage, input, 60 MBH	Q-6	4.50	5.333	Ea.	1,425	350		1,775	2,075
1040	80 MBH		3.90	6.154		1,725	405		2,130	2,500
1050	100 MBH		3.40	7.059		1,675	465		2,140	2,550
1060	125 MBH	↓	2.90	8.276	↓	1,675	545		2,220	2,650
1070	150 MBH	Q-6	2.70	8.889	Ea.	2,125	585		2,710	3,200
1080	170 MBH		2.50	9.600		1,675	630		2,305	2,800
1090	200 MBH	↓	2.20	10.909	↓	1,750	715		2,465	3,000
1100	Note: Final pricing may vary due to									
1110	tube length and configuration package selected									
1130	Two stage, input, 60 MBH high, 45 MBH low	Q-6	4.50	5.333	Ea.	2,100	350		2,450	2,850
1140	80 MBH high, 60 MBH low		3.90	6.154		2,100	405		2,505	2,925
1150	100 MBH high, 65 MBH low		3.40	7.059		2,100	465		2,565	3,025
1160	125 MBH high, 95 MBH low		2.90	8.276		2,125	545		2,670	3,125
1170	150 MBH high, 100 MBH low	↓	2.70	8.889	↓	2,125	585		2,710	3,200