

23 55 Fuel-Fired Heaters

23 55 23 – Gas-Fired Radiant Heaters

23 55 23.10 Infrared Type Heating Units		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
1180	170 MBH high, 125 MBH low	Q-6	2.50	9.600	Ea.	2,375	630		3,005	3,550
1190	200 MBH high, 150 MBH low	↓	2.20	10.909	↓	3,150	715		3,865	4,550
1220	Note: Final pricing may vary due to									
1230	tube length and configuration package selected									

23 55 33 – Fuel-Fired Unit Heaters

23 55 33.13 Oil-Fired Unit Heaters

0010	OIL-FIRED UNIT HEATERS , Cabinet, grilles, fan, ctrl., burner, no piping									
6000	Oil fired, suspension mounted, 94 MBH output	Q-5	4	4	Ea.	4,725	253		4,978	5,575
6040	140 MBH output	↓	3	5.333	↓	5,025	340		5,365	6,025
6060	184 MBH output	↓	3	5.333	↓	5,425	340		5,765	6,475

23 55 33.16 Gas-Fired Unit Heaters

0010	GAS-FIRED UNIT HEATERS , Cabinet, grilles, fan, ctrls., burner, no piping									
0022	thermostat, no piping. For flue see Section 23 51 23.10									
1000	Gas fired, floor mounted									
1100	60 MBH output	Q-5	10	1.600	Ea.	755	101		856	980
1140	100 MBH output	↓	8	2	↓	830	127		957	1,100
1180	180 MBH output	↓	6	2.667	↓	1,200	169		1,369	1,550
2000	Suspension mounted, propeller fan, 20 MBH output	↓	8.50	1.882	↓	775	119		894	1,025
2040	60 MBH output	↓	7	2.286	↓	1,850	145		1,995	2,275
2060	80 MBH output	↓	6	2.667	↓	1,050	169		1,219	1,400
2100	130 MBH output	↓	5	3.200	↓	1,300	203		1,503	1,750
2240	320 MBH output	↓	2	8	↓	2,550	505		3,055	3,550
2500	For powered venter and adapter, add					400			400	440
5000	Wall furnace, 17.5 MBH output	Q-5	6	2.667	↓	640	169		809	955
5020	24 MBH output	↓	5	3.200	↓	640	203		843	1,000
5040	35 MBH output	↓	4	4	↓	680	253		933	1,125

23 56 Solar Energy Heating Equipment

23 56 16 – Packaged Solar Heating Equipment

23 56 16.40 Solar Heating Systems

0010	SOLAR HEATING SYSTEMS		R235616-60								
0020	System/package prices, not including connecting										
0030	pipe, insulation, or special heating/plumbing fixtures										
0500	Hot water, standard package, low temperature										
0540	1 collector, circulator, fittings, 65 gal. tank	G	Q-1	.50	32	Ea.	5,500	2,000		7,500	9,050
0580	2 collectors, circulator, fittings, 120 gal. tank	G	↓	.40	40	↓	5,475	2,525		8,000	9,775
0620	3 collectors, circulator, fittings, 120 gal. tank	G	↓	.34	47.059	↓	8,800	2,950		11,750	14,100
0700	Medium temperature package										
0720	1 collector, circulator, fittings, 80 gal. tank	G	Q-1	.50	32	Ea.	5,150	2,000		7,150	8,675
0740	2 collectors, circulator, fittings, 120 gal. tank	G	↓	.40	40	↓	8,200	2,525		10,725	12,800
0780	3 collectors, circulator, fittings, 120 gal. tank	G	↓	.30	53.333	↓	8,925	3,350		12,275	14,800
0980	For each additional 120 gal. tank, add	G	↓			↓	1,800			1,800	1,975

23 56 19 – Solar Heating Components

23 56 19.50 Solar Heating Ancillary

0010	SOLAR HEATING ANCILLARY									
2300	Circulators, air									
2310	Blowers									
2400	Reversible fan, 20" diameter, 2 speed	G	Q-9	18	.889	Ea.	117	54	171	210
2870	1/12 HP, 30 GPM	G	Q-1	10	1.600	"	360	101	461	545
3000	Collector panels, air with aluminum absorber plate									