

## 22 34 Fuel-Fired Domestic Water Heaters

### 22 34 36 – Commercial Gas Domestic Water Heaters

22 34 36.13 Commercial, Atmos., Gas Domestic Water Htrs.		Daily Crew	Labor- Output	Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
0010	<b>COMMERCIAL, ATMOSPHERIC, GAS DOMESTIC WATER HEATERS</b>									
6000	Gas fired, flush jacket, std. controls, vent not incl.									
6040	75 MBH input, 73 GPH	1 Plum	1.40	5.714	Ea.	3,375	400		3,775	4,300
6060	98 MBH input, 95 GPH		1.40	5.714		8,275	400		8,675	9,700
6080	120 MBH input, 110 GPH		1.20	6.667		8,450	465		8,915	9,975
6180	200 MBH input, 192 GPH		.60	13.333		10,700	930		11,630	13,200
6200	250 MBH input, 245 GPH		.50	16		11,600	1,125		12,725	14,500
6900	For low water cutoff, add		8	1		370	70		440	510
6960	For bronze body hot water circulator, add		4	2		2,100	140		2,240	2,500

### 22 34 46 – Oil-Fired Domestic Water Heaters

#### 22 34 46.10 Residential Oil-Fired Water Heaters

0010	<b>RESIDENTIAL OIL-FIRED WATER HEATERS</b>									
3000	Oil fired, glass lined tank, 5 yr., vent not included, 30 gallon	1 Plum	2	4	Ea.	1,525	279		1,804	2,100
3040	50 gallon		1.80	4.444		1,375	310		1,685	2,000
3060	70 gallon		1.50	5.333		2,150	370		2,520	2,900

#### 22 34 46.20 Commercial Oil-Fired Water Heaters

0010	<b>COMMERCIAL OIL-FIRED WATER HEATERS</b>									
8000	Oil fired, glass lined, UL listed, std. controls, vent not incl.									
8060	140 gal., 140 MBH input, 134 GPH	Q-1	2.13	7.512	Ea.	22,700	470		23,170	25,600
8080	140 gal., 199 MBH input, 191 GPH		2	8		23,500	505		24,005	26,600
8100	140 gal., 255 MBH input, 247 GPH		1.60	10		24,100	630		24,730	27,500
8160	140 gal., 540 MBH input, 519 GPH		.96	16.667		32,000	1,050		33,050	36,800
8180	140 gal., 720 MBH input, 691 GPH		.92	17.391		32,600	1,100		33,700	37,500
8280	201 gal., 1,250 MBH input, 1,200 GPH	Q-2	1.22	19.672		50,500	1,275		51,775	57,500
8300	201 gal., 1,500 MBH input, 1,441 GPH	"	1.16	20.690		54,500	1,350		55,850	62,000
8900	For low water cutoff, add	1 Plum	8	1		350	70		420	490
8960	For bronze body hot water circulator, add	"	4	2		950	140		1,090	1,250

## 22 35 Domestic Water Heat Exchangers

### 22 35 30 – Water Heating by Steam

#### 22 35 30.10 Water Heating Transfer Package

0010	<b>WATER HEATING TRANSFER PACKAGE, Complete controls,</b>									
0020	expansion tank, converter, air separator									
1000	Hot water, 180°F enter, 200°F exit, 15# steam									
1010	One pump system, 28 GPM	Q-6	.75	32	Ea.	23,100	2,100		25,200	28,500
1020	35 GPM		.70	34.286		26,400	2,250		28,650	32,400
1040	55 GPM		.65	36.923		29,600	2,425		32,025	36,200
1060	130 GPM		.55	43.636		37,600	2,875		40,475	45,700
1080	255 GPM	Q-6	.40	60	Ea.	49,300	3,950		53,250	60,000
1100	550 GPM	"	.30	80	"	75,500	5,250		80,750	91,000