

23 83 Radiant Heating Units

23 83 16 – Radiant-Heating Hydronic Piping

		Daily Crew	Daily Output	Labor- Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
23 83 16.10 Radiant Floor Heating										
5000	Radiant floor heating, zone control panel									
5120	4 zone actuator valve control, expandable	Q-5	20	.800	Ea.	150	50.50		200.50	241
5130	6 zone actuator valve control, expandable		18	.889		279	56.50		335.50	390
6070	Thermal track, straight panel for long continuous runs, 5.333 S.F.		40	.400		36.50	25.50		62	78.50
6080	Thermal track, utility panel, for direction reverse at run end, 5.333 S.F.		40	.400		36.50	25.50		62	78.50
6090	Combination panel, for direction reverse plus straight run, 5.333 S.F.		40	.400		36.50	25.50		62	78.50
7000 PEX tubing fittings										
7100	Compression type									
7116	Coupling									
7120	1/2" x 1/2"	1 Stpi	27	.296	Ea.	7	21		28	38.50
7124	3/4" x 3/4"	"	23	.348	"	16.85	24.50		41.35	55
7130	Adapter									
7132	1/2" x female sweat 1/2"	1 Stpi	27	.296	Ea.	4.54	21		25.54	36
7134	1/2" x female sweat 3/4"		26	.308		5.10	21.50		26.60	38
7136	5/8" x female sweat 3/4"		24	.333		7.30	23.50		30.80	43
7140	Elbow									
7142	1/2" x female sweat 1/2"	1 Stpi	27	.296	Ea.	6.95	21		27.95	38.50
7144	1/2" x female sweat 3/4"		26	.308		8.10	21.50		29.60	41.50
7146	5/8" x female sweat 3/4"		24	.333		9.10	23.50		32.60	45
7200 Insert type										
7206	PEX x male NPT									
7210	1/2" x 1/2"	1 Stpi	29	.276	Ea.	3.23	19.40		22.63	32.50
7220	3/4" x 3/4"		27	.296		4.76	21		25.76	36.50
7230	1" x 1"		26	.308		8.05	21.50		29.55	41.50
7300	PEX coupling									
7310	1/2" x 1/2"	1 Stpi	30	.267	Ea.	1.22	18.75		19.97	29.50
7320	3/4" x 3/4"		29	.276		1.85	19.40		21.25	31
7330	1" x 1"		28	.286		2.86	20		22.86	33
7400	PEX stainless crimp ring									
7410	1/2" x 1/2"	1 Stpi	86	.093	Ea.	.58	6.55		7.13	10.40
7420	3/4" x 3/4"		84	.095		.79	6.70		7.49	10.85
7430	1" x 1"		82	.098		1.14	6.85		7.99	11.50

23 83 33 – Electric Radiant Heaters

23 83 33.10 Electric Heating

0010	ELECTRIC HEATING , not incl. conduit or feed wiring									
1100	Rule of thumb: Baseboard units, including control	1 Elec	4.40	1.818	kW	132	120		252	325
1300	Baseboard heaters, 2' long, 350 watt		8	1	Ea.	32.50	66		98.50	135
1400	3' long, 750 watt		8	1	"	37.50	66		103.50	140
1600	4' long, 1,000 watt	1 Elec	6.70	1.194	Ea.	45.50	79		124.50	167
1800	5' long, 935 watt		5.70	1.404		54.50	93		147.50	198
2000	6' long, 1,500 watt		5	1.600		62.50	106		168.50	226
2400	8' long, 2,000 watt		4	2		76	132		208	281
2950 Wall heaters with fan, 120 to 277 volt										
3170	1,000 watt	1 Elec	6	1.333	Ea.	370	88.50		458.50	535
3180	1,250 watt		5	1.600		126	106		232	296
3190	1,500 watt		4	2		400	132		532	635
3600	Thermostats, integral		16	.500		32.50	33		65.50	85
3800	Line voltage, 1 pole		8	1		34.50	66		100.50	137