

23 74 Packaged Outdoor HVAC Equipment

23 74 33 – Dedicated Outdoor-Air Units

			Daily	Labor-				2022 Bare Costs		Total	Total
			Crew	Output	Hours	Unit	Material	Labor	Equipment		Incl O&P
23 74 33.10 Rooftop Air Conditioners											
0010	ROOFTOP AIR CONDITIONERS , Standard controls, curb, economizer										
1000	Single zone, electric cool, gas heat										
1100	3 ton cooling, 60 MBH heating	R236000-20	Q-5	.70	22.857	Ea.	1,800	1,450		3,250	4,125
1120	4 ton cooling, 95 MBH heating			.61	26.403		3,425	1,675		5,100	6,250
1140	5 ton cooling, 112 MBH heating			.56	28.521		4,200	1,800		6,000	7,325
1145	6 ton cooling, 140 MBH heating			.52	30.769		5,250	1,950		7,200	8,675
1150	7.5 ton cooling, 170 MBH heating			.50	32.258		6,425	2,050		8,475	10,100
1156	8.5 ton cooling, 170 MBH heating			.46	34.783		7,275	2,200		9,475	11,300
1160	10 ton cooling, 200 MBH heating		Q-6	.67	35.982		7,925	2,375		10,300	12,300
1170	12.5 ton cooling, 230 MBH heating			.63	37.975		8,975	2,500		11,475	13,600
1190	17.5 ton cooling, 330 MBH heating			.52	45.889		12,900	3,025		15,925	18,700
1200	20 ton cooling, 360 MBH heating		Q-7	.67	47.976		15,500	3,200		18,700	21,800
1210	25 ton cooling, 450 MBH heating			.56	57.554		36,300	3,850		40,150	45,700
1220	30 ton cooling, 540 MBH heating			.47	68.376		36,600	4,575		41,175	47,100
1240	40 ton cooling, 675 MBH heating			.35	91.168		44,700	6,100		50,800	58,000
2000	Multizone, electric cool, gas heat, economizer										
2100	15 ton cooling, 360 MBH heating		Q-7	.61	52.545	Ea.	70,000	3,525		73,525	82,500
2120	20 ton cooling, 360 MBH heating			.53	60.038		63,000	4,025		67,025	75,500
2200	40 ton cooling, 540 MBH heating			.28	114		109,500	7,625		117,125	132,000
2210	50 ton cooling, 540 MBH heating		Q-7	.23	142	Ea.	140,000	9,525		149,525	168,000
2220	70 ton cooling, 1,500 MBH heating			.16	199		149,000	13,300		162,300	183,500
2240	80 ton cooling, 1,500 MBH heating			.14	229		170,000	15,300		185,300	210,000
2260	90 ton cooling, 1,500 MBH heating			.13	256		201,500	17,100		218,600	247,000
2280	105 ton cooling, 1,500 MBH heating			.11	291		224,000	19,500		243,500	275,000
2400	For hot water heat coil, deduct						5%				
2500	For steam heat coil, deduct						2%				
2600	For electric heat, deduct						3%	5%			

23 81 Decentralized Unitary HVAC Equipment

23 81 13 – Packaged Terminal Air-Conditioners

23 81 13.10 Packaged Cabinet Type Air-Conditioners

0010	PACKAGED CABINET TYPE AIR-CONDITIONERS , Cabinet, wall sleeve,										
0100	louver, electric heat, thermostat, manual changeover, 208 V										
0200	6,000 BTUH cooling, 8,800 BTU heat		Q-5	6	2.667	Ea.	950	169		1,119	1,300
0220	9,000 BTUH cooling, 13,900 BTU heat			5	3.200		2,550	203		2,753	3,100
0240	12,000 BTUH cooling, 13,900 BTU heat			4	4		2,700	253		2,953	3,325
0260	15,000 BTUH cooling, 13,900 BTU heat			3	5.333		2,975	340		3,315	3,775
0500	For hot water coil, increase heat by 10%, add						5%	10%			
1000	For steam, increase heat output by 30%, add						8%	10%			

23 81 19 – Self-Contained Air-Conditioners

23 81 19.20 Self-Contained Single Package

0010	SELF-CONTAINED SINGLE PACKAGE										
0100	Air cooled, for free blow or duct, not incl. remote condenser										
0110	Constant volume										
0200	3 ton cooling		Q-5	1	16	Ea.	4,100	1,025		5,125	6,000
0220	5 ton cooling		Q-6	1.20	20		4,800	1,325		6,125	7,225
0240	10 ton cooling		Q-7	1	32		8,450	2,150		10,600	12,500
0260	20 ton cooling			.90	35.556		13,600	2,375		15,975	18,600
0280	30 ton cooling			.80	40		27,500	2,675		30,175	34,200
0340	60 ton cooling		Q-8	.40	80		60,500	5,350	155	66,005	75,000