

## 23 05 Common Work Results for HVAC

### 23 05 93 – Testing, Adjusting, and Balancing for HVAC

		Daily	Labor-			2022 Bare Costs			Total	Total
		Crew	Output	Hours	Unit	Material	Labor	Equipment		Incl O&P
<b>23 05 93.10 Balancing, Air</b>										
2100	Built-up low pressure unit				Ea.				840	840
2200	Built-up high pressure unit								980	980
2300	Built-up high pressure dual duct								1,550	1,550
2400	Built-up variable volume								1,825	1,825
2500	Multi-zone A.C. and heating unit								630	630
2600	For each zone over one, add								140	140
2700	Package A.C. unit								350	350
2800	Rooftop heating and cooling unit								490	490
3000	Supply, return, exhaust, registers & diffusers, avg. height ceiling								84	84
3100	High ceiling								126	126
3200	Floor height								70	70
3300	Off mixing box								56	56
3500	Induction unit								91	91
3600	Lab fume hood								420	420
3700	Linear supply								210	210
3800	Linear supply high								245	245
4000	Linear return								70	70
4100	Light troffers								84	84
4200	Moduline - master								84	84
4300	Moduline - slaves								42	42
4400	Regenerators				↓				560	560
4500	Taps into ceiling plenums				Ea.				105	105
4600	Variable volume boxes				"				84	84

### 23 05 93.20 Balancing, Water

0010	<b>BALANCING, WATER</b> (Subcontractor's quote incl. material and labor)									
0050	Air cooled condenser				Ea.				256	256
0080	Boiler								515	515
0100	Cabinet unit heater								88	88
0200	Chiller								620	620
0300	Convactor								73	73
0400	Converter								365	365
0500	Cooling tower								475	475
0600	Fan coil unit, unit ventilator								132	132
0700	Fin tube and radiant panels								146	146
0800	Main and duct re-heat coils								135	135
0810	Heat exchanger								135	135
0900	Main balancing cocks								110	110
1000	Pumps								320	320
1100	Unit heater				↓				102	102

## 23 07 HVAC Insulation

### 23 07 13 – Duct Insulation

#### 23 07 13.10 Duct Thermal Insulation

0010	<b>DUCT THERMAL INSULATION</b>									
0110	Insulation req'd. is based on the surface size/area to be covered									
3000	Ductwork									
3020	Blanket type, fiberglass, flexible									
3030	Fire rated for grease and hazardous exhaust ducts									
3060	1-1/2" thick	Q-14	84	.190	S.F.	4.25	10.80		15.05	21
3090	Fire rated for plenums									
3100	1/2" x 24" x 25'	Q-14	1.94	8.247	Roll	191	470		661	925