

23 37 Air Outlets and Inlets

23 37 15 – Air Outlets and Inlets, HVAC Louvers

| 23 37 15.40 HVAC Louvers | | Crew | Daily Output | Labor-Hours | Unit | Material | 2022 Bare Costs | | Total | Total Incl O&P |
|--------------------------|---|--------|--------------|-------------|------|----------|-----------------|-----------|--------|----------------|
| | | | | | | | Labor | Equipment | | |
| 1300 | Speed brick, 4" deep, 11-5/8" wide, 3-7/8" high | 1 Shee | 24 | .333 | Ea. | 40 | 22.50 | | 62.50 | 78 |
| 1400 | Fuel oil brick, 4" deep, 8" wide, 5" high | ↓ | 24 | .333 | ↓ | 68.50 | 22.50 | | 91 | 110 |
| 2000 | Cooling tower and mechanical equip., screens, light weight | 1 Shee | 40 | .200 | S.F. | 17.15 | 13.50 | | 30.65 | 39.50 |
| 2020 | Standard weight | | 35 | .229 | | 45.50 | 15.45 | | 60.95 | 73.50 |
| 2500 | Dual combination, automatic, intake or exhaust | | 20 | .400 | | 62.50 | 27 | | 89.50 | 109 |
| 2520 | Manual operation | | 20 | .400 | | 46.50 | 27 | | 73.50 | 91.50 |
| 2540 | Electric or pneumatic operation | | 20 | .400 | ↓ | 46.50 | 27 | | 73.50 | 91.50 |
| 2560 | Motor, for electric or pneumatic | ↓ | 14 | .571 | Ea. | 535 | 38.50 | | 573.50 | 650 |
| 3000 | Fixed blade, continuous line | | | | | | | | | |
| 3100 | Mullion type, stormproof | 1 Shee | 28 | .286 | S.F. | 46.50 | 19.30 | | 65.80 | 80 |
| 3200 | Stormproof | | 28 | .286 | | 46.50 | 19.30 | | 65.80 | 80 |
| 3300 | Vertical line | ↓ | 28 | .286 | ↓ | 55 | 19.30 | | 74.30 | 89.50 |
| 3500 | For damper to use with above, add | | | | | 50% | 30% | | | |
| 3520 | Motor, for damper, electric or pneumatic | 1 Shee | 14 | .571 | Ea. | 535 | 38.50 | | 573.50 | 650 |
| 4000 | Operating, 45°, manual, electric or pneumatic | | 24 | .333 | S.F. | 62 | 22.50 | | 84.50 | 103 |
| 4100 | Motor, for electric or pneumatic | | 14 | .571 | Ea. | 535 | 38.50 | | 573.50 | 650 |
| 4200 | Penthouse, roof | | 56 | .143 | S.F. | 27.50 | 9.65 | | 37.15 | 44.50 |
| 4300 | Walls | | 40 | .200 | | 64.50 | 13.50 | | 78 | 91.50 |
| 5000 | Thinline, under 4" thick, fixed blade | ↓ | 40 | .200 | ↓ | 26.50 | 13.50 | | 40 | 50 |
| 5010 | Finishes, applied by mfr. at additional cost, available in colors | | | | | | | | | |
| 5020 | Prime coat only, add | | | | S.F. | 3.68 | | | 3.68 | 4.05 |
| 5040 | Baked enamel finish coating, add | | | | | 6.80 | | | 6.80 | 7.45 |
| 5060 | Anodized finish, add | | | | | 7.35 | | | 7.35 | 8.10 |
| 5080 | Duranodic finish, add | | | | | 13.35 | | | 13.35 | 14.70 |
| 5100 | Fluoropolymer finish coating, add | | | | | 21 | | | 21 | 23 |
| 9980 | For small orders (under 10 pieces), add | | | | | 25% | | | | |

23 37 23 – HVAC Gravity Ventilators

23 37 23.10 HVAC Gravity Air Ventilators

| | | | | | | | | | | |
|------|---|-----|------|-------|-----|-------|-------|--|--------|-------|
| 0010 | HVAC GRAVITY AIR VENTILATORS, Includes base | | | | | | | | | |
| 1280 | Rotary ventilators, wind driven, galvanized | | | | | | | | | |
| 1300 | 4" neck diameter | Q-9 | 20 | .800 | Ea. | 69 | 48.50 | | 117.50 | 150 |
| 1340 | 6" neck diameter | | 16 | 1 | | 69 | 61 | | 130 | 168 |
| 1400 | 12" neck diameter | | 10 | 1.600 | | 97.50 | 97.50 | | 195 | 254 |
| 1500 | 24" neck diameter | | 8 | 2 | | 435 | 122 | | 557 | 660 |
| 1540 | 36" neck diameter | ↓ | 6 | 2.667 | ↓ | 615 | 162 | | 777 | 920 |
| 2000 | Stationary, gravity, syphon, galvanized | | | | | | | | | |
| 2160 | 6" neck diameter, 66 CFM | Q-9 | 16 | 1 | Ea. | 48.50 | 61 | | 109.50 | 145 |
| 2240 | 12" neck diameter, 160 CFM | " | 10 | 1.600 | " | 114 | 97.50 | | 211.50 | 272 |
| 2340 | 24" neck diameter, 900 CFM | Q-9 | 8 | 2 | Ea. | 385 | 122 | | 507 | 610 |
| 2380 | 36" neck diameter, 2,000 CFM | | 6 | 2.667 | | 495 | 162 | | 657 | 790 |
| 4200 | Stationary mushroom, aluminum, 16" orifice diameter | | 10 | 1.600 | | 770 | 97.50 | | 867.50 | 990 |
| 4220 | 26" orifice diameter | | 6.15 | 2.602 | | 1,125 | 158 | | 1,283 | 1,500 |
| 4230 | 30" orifice diameter | | 5.71 | 2.802 | | 1,650 | 170 | | 1,820 | 2,075 |
| 4240 | 38" orifice diameter | | 5 | 3.200 | | 2,375 | 195 | | 2,570 | 2,925 |
| 4250 | 42" orifice diameter | | 4.70 | 3.404 | | 3,150 | 207 | | 3,357 | 3,775 |
| 4260 | 50" orifice diameter | ↓ | 4.44 | 3.604 | ↓ | 3,750 | 219 | | 3,969 | 4,450 |
| 5000 | Relief vent | | | | | | | | | |
| 5500 | Rectangular, aluminum, galvanized curb | | | | | | | | | |
| 5510 | intake/exhaust, 0.033" SP | | | | | | | | | |
| 5580 | 500 CFM, 12" x 12" | Q-9 | 8.60 | 1.860 | Ea. | 850 | 113 | | 963 | 1,100 |
| 5600 | 600 CFM, 12" x 16" | | 8 | 2 | | 950 | 122 | | 1,072 | 1,225 |
| 5640 | 1,000 CFM, 12" x 24" | ↓ | 6.60 | 2.424 | ↓ | 1,050 | 147 | | 1,197 | 1,400 |