

**ARCHITECTURE AND CONSTRUCTION CLUSTER
HVACR Equipment List**

Revised 8/16/2012

| Item | Number | Price Per |
|--|--------|-----------|
| Halide Lead Detector | 1 | \$200.00 |
| Electronic Leak Detector | 2 | 150.00 |
| Double Stage Nitrogen Regulator | 1 | 70.00 |
| Nitrogen Cylinder | 2 | 90.00 |
| 5 CFM Vacuum Pump | 3 | 150.00 |
| Electronic Vacuum Gauge | 2 | 150.00 |
| Compressor Test Cord (120 volt) | 2 | 50.00 |
| Compressor Test Cord (240 volt) | 2 | 50.00 |
| Meter, Digital (volt-Ohm-Milliamp)/Clamp-on Amp and | 4 | 120.00 |
| Meter, Analog (Volt-Ohm-Milliamp) | 2 | 90.00 |
| Gauge Manifold Set w/Hose & Quick Disconnect fitting | 8 | 90.00 |
| Dial Stem Thermometers (Digital) | 4 | 40.00 |
| Soldering Gun, 250 watt | 2 | 50.00 |
| Oil Can | 2 | 20.00 |
| Air Compressor, 3 1/2 hp (min.),Dual Voltage w/ Hose | 1 | 350.00 |
| Meter, Clamp-On Type, 300 Amp | 2 | 100.00 |
| Wrench, Service Valve (Comb. 3/16, 1/4, 5/16, 3/8) | 8 | 20.00 |
| Pliers, 14" Slip Grove | 2 | 20.00 |
| Pliers, 10" Slip Grove | 2 | 20.00 |
| Pliers, 8" Slip Grove | 2 | 20.00 |
| Pliers, Diagonal, 6" | 2 | 20.00 |
| Pliers, Long Nose (6") | 4 | 20.00 |
| Tin Snips, Right Hand | 1 | 30.00 |
| Tin Snips, Left Hand | 1 | 30.00 |
| Tin Snips, Straight Cut | 1 | 30.00 |
| Hammer, Ball Peen, 12 oz. | 2 | 15.00 |
| Mechanical Tube Bender (1/4") | 2 | 80.00 |
| Mechanical Tube Bender (5/16") | 2 | 80.00 |
| Mechanical Tube Bender (3/8") | 2 | 80.00 |
| Mechanical Tube Bender (1/2") | 2 | 80.00 |
| Mechanical Tube Bender (5/8") | 2 | 80.00 |
| Mechanical Tube Bender (3/4") | 1 | 80.00 |
| Bending Spring Set | 1 | 25.00 |
| Heavy Duty Copper Tubing Cutter (up to 1-1/8") | 2 | 80.00 |
| Hacksaw with Blades | 2 | 25.00 |
| Torque Wrench | 1 | 65.00 |
| Torque Bits | 2 | 10.00 |

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| Steel Tape, 10' | 2 | 15.00 |
| Flare and Swage Set | 6 | 115.00 |
| Swage Set (Punch Type) | 6 | 20.00 |
| Oxyacetylene Welding Set | 4 | 300.00 |
| Oxygen Cylinder, Full | 2 | 15.00 |
| Acetylene Cylinder, Full | 2 | 15.00 |
| Air-Acetylene (B) Brazing Kit | 2 | 150.00 |
| Acetylene (B) Cylinder | 2 | 90.00 |
| Bench Grinder, Heavy Duty with Eye Shield and Guard | 2 | 70.00 |
| Reversible Hand Drill, (3/8" or 1/2") | 2 | 100.00 |
| Digital Electronic Thermometers w/Remote Bulb | 4 | 200.00 |
| Friction Lighter | 6 | 10.00 |
| Fin Combs | 4 | 10.00 |
| Hand Sprayer | 2 | 20.00 |
| Screwdriver (1/4" x 6") | 12 | 30.00 |
| Screwdriver (1/4" x 8") | 12 | 30.00 |
| Screwdriver (1/4" x 10") | 12 | 30.00 |
| Screwdriver, #1 Phillips | 12 | 30.00 |
| Screwdriver, #2 Phillips | 12 | 30.00 |
| Screwdriver, 1/8" x 3" Pocket | 6 | 30.00 |
| Compressor Analyzer | 2 | 80.00 |
| Sling Psychrometer | 4 | 80.00 |
| Refrigerant Scale, Digital | 1 | 300.00 |
| Wire Strippers/Terminal Pliers | 4 | 25.00 |
| Infrared Temperature Sensor | 1 | 200.00 |
| Safety Glasses | 25 | 5.00 |
| Manometer | 2 | 50.00 |
| Shop Vacuum | 1 | 50.00 |
| Terminal Ends, Disconnects, and Locks, Assortment | 12 | 25.00 |
| Recovery Unit with Tank (R-22) | 2 | 800.00 |
| Tank of Refrigerant (Each 22, 134-A, etc) | 1 | 400.00 |
| Table Vise, 8" | 1 | 100.00 |
| Table Vise, 4' | 1 | 25.00 |
| Long Allen Wrench Set | 3 | 30.00 |
| T-handle Allen Wrench Set | 2 | 40.00 |
| Short Allen Wrench Set | 1 | 20.00 |
| Socket Set, 1/2" with Ratchet Standard or Metric | 3 | 60.00 |
| Socket Set, 3/8" with Ratchet Standard or Metric | 3 | 60.00 |
| Socket Set, 1/4" with Ratchet Standard or Metric | 3 | 60.00 |
| Punch Set | 2 | \$20.00 |
| Combination Wrench Set (Open/Box) Standard or Metric | 2 | \$40.00 |
| Wrench, 6" Adjustable | 3 | \$15.00 |

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| Wrench, 8" Adjustable | 3 | \$15.00 |
| Wrench, 10" Adjustable | 3 | \$15.00 |
| Wrench, 12" Adjustable | 3 | \$15.00 |
| Wrench, 16" Adjustable | 3 | \$15.00 |
| Nut Driver Set, Standard or Metric | 2 | \$40.00 |
| Terminal Pliers | 1 | \$20.00 |
| Pipe Wrench (10") | 2 | \$40.00 |
| Drill Index (1/32" to 1/2") | 1 | \$60.00 |
| Superheat Gauge Set | 1 | \$40.00 |
| Capacitor Analyzer | 2 | \$40.00 |
| Appliance Truck | 2 | \$100.00 |
| Thermostats (1 Stage Heat/1 Stage Cool) | 4 | \$35.00 |
| Drill Press, Free Standing, Variable Speed, w/Chuck | 1 | \$350.00 |
| Refrigerant Reclaiming and Recycling Unit | 2 | \$800.00 |
| Typical Heat Pump Schematic Trainer Switchable Faults | 1 | \$2,000.00 |
| Gas Heating/Cooling Schematic Trainer w/ Switchable Faults | 1 | \$2,000.00 |
| Air Conditioning Service Trainer Switchable Faults | 1 | \$2,000.00 |
| Basic Electricity Trainers with Switchable Faults | 6 | \$1,000.00 |
| Heat Pump System Analysis and Trouble Shooting Trainer Switchable Faults | 1 | \$2,000.00 |
| Anemometer | 1 | \$30.00 |
| Fire Extinguisher | 3 | \$40.00 |
| Blower Wheel Puller | 2 | \$60.00 |
| Tap and Die Set Standard or Metric | 2 | \$60.00 |
| Step Ladder, 6' Fiberglass | 2 | \$90.00 |
| Pentium Computer with Monitor, Printer, Furniture, Chair and Appropriate Software (Specifications re: minimum) w/internet | 1 | \$800.00 |
| Internet Connection | | |
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| OPTIONAL: Trainers, CNC Systems, and Simulators that enhance student learning, raise student achievement, meet industry standards, and have SDE approval. | | |
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| Total |
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| \$180.00 |
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| \$30.00 |
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