Portable Vertical Air-Conditioning and Heating Systems

Specifications for 20 Ton Units
### Cabinet Features:
- Heavy Duty Welded Steel Construction
- Bolt on Panel Design with Handle
- Exterior Panels and Frame Powder-Coated
- Side and Top Tent Clamp Tethers
- Stainless Steel Hardware
- Duct Adaptors Optional
- Condensate Pump Optional

### Physical Data:
- Weight: 2,544 lb
- Depth: 44"
- Length: 81"
- Height: 82"

### Refrigeration Features:
- Refrigerant 410A
- Suction Valves
- Hot Gas By-Pass Valve

### Compressor Data
- Two Bitzer 10 ton Scroll Compressors
- Rotolock Adapter

### Heating and Cooling Data:
- Heating Capacity: 45 kW
- Cooling Capacity: 267,345 BTUs

### Electrical Features:
- Variable Speed Blower Motor
- “Daisy Chain” Cam-Lock Connections
- Individual Breakers on All Loads
- Hour Meter
- 15 KVA Transformer Available as an Option
- 120 Volt Convenience Outlet Available as an Option

### Electrical Data:
- 480 Volt/60 Hertz 3 phase
- Cooling FLA: 33 amps
- Heating FLA: 60 amps
- MCA: 75 amps
- MOP: 75 amps

### Blower Data:
- Variable Speed Frequency Drive
- HIGH SPEED CFM: 7,000
- LOW SPEED CFM: 5,500
- Motor: Marathon 5 HP

### Heating Coil Data
- High Capacity Coil Style
- Custom Designed
20 Ton Front View

20 Ton Back View

American Event Services, LLC • www.americaneventservices.com • 217-709-1811
Jason@americaneventservices.com • 501-253-5054 • June 2016
20 Ton wisperkool™ Specifications

- The unit’s structural frame is fabricated from 11 gauge galvanized steel.
- Access doors are fabricated from 14 gauge galvanized steel.
- Access doors are insulated for sound and condensate control.
- Other surfaces that contact condensate are insulated with 1” insulation.
- All frame surfaces are powder coated.
- Two 15 ton Bitzer scroll compressor with 267,345 BTUs per hour.
- Compressors equipped with roto lock adapters.
- Hot gas bypass valve installed.
- Bitzer compressors use R410-A refrigerant.
- One custom built multi-circuit raised lance fine evaporator coil.
- One custom built multi-circuit raised lance fine condenser coil.
- Twin direct drive fans that deliver 7,000 CFM.
- One 5 HP blower motor VFD.
- Two 2.5 HP condenser fan motors.
- Two 26” diameter condenser fans.
- One 45 kW electric heater.
- Analog hour meter.
- Tubular skid base with fork pockets-powder coated.
- Unit voltage—480/3/60 (230/3/60—as an option).
- Three supply air grilles with adjustable fins vertical and horizontal.
- Steel mesh return grill with 2” pleated throw away filters.
- Eight camlock lock fittings for external connection and daisy chain.
- Tent clamps on sides and top of the unit.
- Unit dimensions 44” wide, 81” long, and 82” tall—powder coated.

- Optional duct kits for flexible ducting.
- Optional convenience outlets with transformer.
- Optional easy connect remote thermostat.
SPECIFICATIONS FOR 30 TON UNIT
Cabinet Features:

- Heavy Duty Welded Steel Construction
- Bolt on Panel Design with Handle
- Exterior Panels and Frame Powder-Coated
- Side and Top Tent Clamp Tethers
- Stainless Steel Hardware
- Duct Adaptors Optional
- Condensate Pump Optional

Physical Data:

- Weight 3,507 lb
- Depth 47"
- Length 95"
- Height 86"

Refrigeration Features:

- Refrigerant 410A
- Suction Valves
- Hot Gas By-Pass Valve Available as an Option

Compressor Data

- Two Bitzer 15 ton Scroll Compressors (One Per Stage)
- Rotolock Adapters

Heating and Cooling Data:

- Heating Capacity 72 kW
- Cooling Capacity 386,746 BTUs

Electrical Features:

- Variable Speed Blower Motor
- “Daisy Chain” Cam-Lock Connections
- Individual Breakers on All Loads
- Hour Meter
- 15 KVA Transformer Available as an Option
- 120 Volt Convenience Outlet Available as an Option

Electrical Data:

- 480 Volt/60 Hertz 3 phase
- Cooling FLA 55 amps
- Heating FLA 92 amps
- MCA 121 amps
- MOP 125 amps

Blower Data:

- Variable Speed Frequency Drive
- HIGH SPEED CFM 9,500
- LOW SPEED CFM 7,800
- Motor: Marathon 10 HP

Heating Coil Data

- High Capacity Coil Style
- Custom Designed
30 TON
30 Ton wisperkool™ Specifications

- The unit’s structural frame is fabricated from 11 gauge galvanized steel.
- Access doors are fabricated from 14 gauge galvanized steel.
- Access doors are insulated for sound and condensate control.
- Other surfaces that contact condensate are insulated with 1” insulation.
- All frame surfaces are powder coated.
- Two 15 ton Bitzer scroll compressor with 387,746 BTUs per hour.
- Compressors equipped with roto lock adapters.
- Hot gas bypass valve installed.
- Bitzer compressors use R410-A refrigerant.
- One custom built multi-circuit raised lance fine evaporator coil.
- One custom built multi-circuit raised lance fine condenser coil.
- Triple forward curved fans that deliver 12,000 CFM.
- One 10 HP blower motor with VFD.
- Three 2.5 HP condenser fan motors.
- Three 26” diameter condenser fans.
- One 72 kW electric heater.
- Analog hour meter.
- Tubular skid base with fork pockets-powder coated.
- Unit voltage—480/3/60 (230/3/60—as an option).
- Three supply air grilles with adjustable fins vertical and horizontal.
- Steel mesh return grill with 1” throw away filters.
- Eight camlock lock fittings for external connection and daisy chain.
- Tent clamps on sides and top of the unit.
- Unit dimensions 47” wide, 95” long, and 86” tall—powder coated.
- Optional duct kits for flexible ducting.
- Optional convenience outlets with transformer.
- Optional easy connect remote thermostat.