

# Model KVV-20

## Portable Vertical Air Conditioning Unit

### Submittal Data



SD-KVV20-1

#### STANDARD FEATURES

- Unit Capacity: 20 Ton
- Refrigerant R-410a
- Powder Coated Cabinet (white)
- Plenum w/Bi-Directional
- Non-Adjustable Punched Return Air Grill
- Guards on Condenser Return & Discharge
- Single Drain Port on Condenser
- Evaporator Stainless Steel Drain Pan
- Belt Drive Centrifugal Evaporator & Condenser Blower
- Evaporator Drain ¾ NPT
- 1" Cleanable Filter
- Aluminum Fin/Copper Tube Coils
- ¼ Turn Access Panel Latches
- 4-Way Lifting Pod
- Recessed Gauge Panel (gauges, access ports, sight glass)
- Camlock Power in Connections
- Toggle Switch for 208/230
- Dual Scroll Compressor
- Filter Drier
- Sight Glass
- Adjustable Expansion Valve
- Liquid Receiver
- Hi & Low-Pressure Safety
- Circuit Breaker
- Mode Selector Switch
- Unit Mounted Thermostat (Analog)



- Phase Reversal Indicator
- 45kW Electric Heat
- Remote Thermostat Ready
- Tent Clamps (2 sides and top)
- Hot Gas Bypass Circuit 1
- Toggle Switch for Remote Thermostat
- Hour Meter

#### OPTIONAL FEATURES

- Remote Thermostat w/ Cable



**260 North Elm St.**  
Westfield, MA 01085  
**Phone:** 413-564-5520  
**Fax:** 413-564-5815  
[www.Koldwave.com](http://www.Koldwave.com)

Project: \_\_\_\_\_ Date: \_\_\_\_\_

Location: \_\_\_\_\_

Customer: \_\_\_\_\_

Engineer: \_\_\_\_\_

Submitted By: \_\_\_\_\_

For: ☐ Reference ☐ Approval ☐ Construction

Unit Designation: \_\_\_\_\_

Schedule Number: \_\_\_\_\_

## Model KWV-20 - Submittal Data

### SPECIFICATIONS

Model Number	KWV-20	
Cooling capacity	Total [1]	250,840 BTUH
	Sensible [1]	170,620 BTUH
Cooling Operating Range		0-110°F
Refrigerant	Type	R-410
	Amount	25 lbs each
	Low Pressure	75 PSIG Cutout, Auto Reset
	High Pressure	650 PSIG Cutout, Manual Reset
	Suction Operating Pressure	25 PSIG Low, 45 PSIG High
	Discharge Operating Pressure	90 PSIG Low, 300 PSIG High
	Subcooling	10°F @ approx. 80°F ambient
Power Requirements (208-230/3/60)	Maximum Overcurrent Protective Device	125 A
Compressor (208-230/3/60)	Type	Scroll
	RLA	35.2 A
	LRA	250 A
Filter	Type	Cleanable
	Size (L x W)	24 x 40
	Quantity	2
Evaporator	Motor	5 HP
	Coil Face Area	13.3 ft²
	Coil Rolls Deep	4
	Supply Air Flow Rate	8,000 CFM
Condenser	Motor	5 HP
	Coil Face Area	20 ft²
	Coil Rolls Deep	4
	Supple Air Flow Rate	12,000 CFM
Unit Dimensions	L x W x H	36" x 91.63" x 94.1"
	Weight (lbs)	2,700

[1] Entering Air 95°F DB/78°F WB with 95°F Outdoor Ambient

[2] Operating range can be extended lower by adding a low ambient option

[3] kW at 0.8 Power Factor and 208/230 & 460 volts

Electrical	460/3/60		Cooling	30kW Electric Heat
		FLA	68.9	51
		MCA	70.5	55.8
		kW [3]	49	32.1
	208-230/3/60 [2]	FLA	97.6	131.7
		MCA	106.4	135.1
		kW [3]	32.4	49