

# Model HKW12M

## Air-Cooled Portable Air Conditioner

### Submittal Data

SD-HKW12M-3

#### STANDARD FEATURES

- Unit Capacities: 12 Ton
- R-410a Refrigerant
- External Condensate Pump Receptacle
- Heavy Duty Steel Cabinet Powder Coated White
- 14" Duct Collars (2 Supply 2 Return) Removable
- 18" Duct Collars (Condenser Air IN and OUT) Removable
- SS Duct Collar Protection Bar- Cond
- 8" Swivel Casters w/ Brake
- Condensate P-Trap
- Stainless Steel Drain Pan w/threaded Drain Conn (rear)
- 4-Way Lifting Pod
- Insulated Evaporator Section (Thermal/Acoustic)
- Condenser Coil Guard
- 2" MERV 8 Pleated Throw Away Filters
- 1/4 Turn Access Panel Latches
- Voltage Meter w/Lexan Cover
- Toggle Switch for 208/230
- Toggle Switch for Remote Thermostat
- Single Scroll Compressor
- Hot Gas Bypass Circuit
- Liquid/Moisture Indicator
- Liquid Receiver Tank
- Liquid Line Filter Drier
- Schrader Access Valves
- Refrigerant Line Vibration Absorbers
- Circuit Breaker w/ Cover
- Camlock Power in Connections Color Coded



- Digital Thermostat NEMA4
- Evaporator Motorized Impeller
- Condenser Motorized Impeller
- Basic Phase Detection/Protection
- High & Low-Pressure Control
- Hour Meter
- 30kW Electric Heat

#### OPTIONAL FEATURES

- Condensate Pump w/External Bracket
- Remote Thermostat w/ 25' Cable



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Project: \_\_\_\_\_ Date: \_\_\_\_\_  
Location: \_\_\_\_\_  
Customer: \_\_\_\_\_  
Engineer: \_\_\_\_\_  
Submitted By: \_\_\_\_\_  
For:  Reference  Approval  Construction  
Unit Designation: \_\_\_\_\_  
Schedule Number: \_\_\_\_\_

# Model HKW12M - Submittal Data

## SPECIFICATIONS

Model Number	HKW12M	
Cooling capacity	Total [1]	143,000 BTUH
	Sensible [1]	90,000 BTUH
Heating Capacity	Total [1]	30 kW
Rated External Static Pressure		1.5" w.c.
Cooling Operating Range [2]		0-110 °F
Refrigerant	Type	R-410
	Amount	12lbs 8oz
	Low Pressure	70 PSIG Cutout, 100 PSIG Reset
	High Pressure	625 PSIG Cutout, Manual Reset
	Suction Operating Pressure	104 PSIG Low, 145 PSIG High
	Discharge Operating Pressure	290 PSIG Low, 625 PSIG High
	Subcooling	10-12°F @ approx. 80°F ambient
Power Requirements (208-230/3/60)	Maximum Overcurrent Protection for 30kW Heat	110 A
	Maximum Overcurrent Protection for DeHum Option	175 A
Power Requirements (460/3/60)	Maximum Overcurrent Protection for 30kW Heat	60 A
	Maximum Overcurrent Protection for DeHum Option	80 A
Compressor (208-230/3/60)	Type	12 Ton Scroll (1)
	RLA	33.3 A
	LRA	239 A
Compressor (460/3/60)	Type	12 Ton Scroll (1)
	RLA	17.9 A
	LRA	125 A
Filter	Type	Pleated Disposable
	Size (L x W x H)	24"x20"x2" / 15"x20"x2"
	Quantity	1/2
Evaporator	Motor	4 HP
	Motor Speed	1690 RPM
	Coil Face Area	7.3 ft²
	Coil Rolls Deep	3
	Supply Air Flow Rate	4,000 CFM
Condenser	Motor	4 HP
	Motor Speed	1,690 RPM
	Coil Face Area	6.7 ft²
	Coil Rolls Deep	4
	Supply Air Flow Rate	4,000 CFM
Unit Dimensions	L x W x H	78" x 34.5" x 71"
	Weight (lbs)	1,550

[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	Model		Cooling	30kW Electric Heat
460/3/60	FLA		25.9	41.7
	MCA		30.4	52.1
	kW [3]		45	60
208-230/3/60	FLA		51.3	30
	MCA		59.6	87.7
	kW [3]		90	109.6