



KWIKOOL KPO12-43 MODEL KPO12-43

The Model KPO12-43 (nominal 12-ton or 135,000 BTU) is the most versatile unit in size and capacity in The KPO Series, Kwikool's Indoor/Outdoor Line of portables. The KPO12-43 has an extremely small foot print that is ideal for difficult applications that require moving cold air to a hard to reach heat load, such as a sealed interior room. The unit can be placed outdoors with duct running into a building space or it can be placed inside a building and ducted into an interior space.



The KPO Series offers advanced air flow capabilities, up to 75 feet cold air return and supply and up to 100 feet of hot air exhaust ducting. All KPO models are 32 inches wide and will fit through a standard 36 inch door.

The KPO12-43 runs on a 460-volt/40-amp 3-phase circuit with built-in Cam Lock Connections, which must be hard wired by a qualified electrician. The condenser has Low Ambient Temperature Capability using a Variable Frequency Drive that will operate at temperatures below freezing.

The heavy duty base has removable wheels and fork lift skid access for easy movement, setup, and transport. All KPO models come with a high functional phase monitor for electrical protection from unacceptable power, which damages electrical components. The unit also comes with an internal high lift condensate pump.

Features:

- HD 16 gauge insulated G90 galvanized and epoxy powder coated cabinet mounted to a 12 gauge Skid for optimum durability, efficiency, low maintenance and quiet operation
- HD Swivel and Locking Casters
- High Static Hyperdrive evaporator fans capable of running 100 foot of duct
- Wide Operating range of 60°F-110°F
- Low ambient condensing temperature controls utilizing Variable frequency drive technologies
- Multi-function Digital control with a large, easy-to-read LCD display



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SPECIFICATIONS

COOLING CAPACITY	BTU/hr @ 95F at 60% RH	135,000 (12-Ton)
	Operating Temperatures	30-110 F 50%RH
HEATING - OPTIONAL	Heat Strips/BTU	24kW/83,300
COMPRESSOR DATA	Compressor Type	Hermetic Recip.
	Refrigerant	407C
FAN DATA EVAPORATOR	Fan Type (Centrifugal)	Direct Drive
	Air Flow (CFM)	5,500
	Supply and Return Air Device	2-12" flanges for supply duct and 2-12" flange for return duct
	Maximum Duct length	75' each for supply and return.
CONDENSER	Fan Type (Centrifugal)	Belt Drive
	Air Flow (CFM)	8500
	Condenser Exhaust flange	20"
	Condenser Duct Max. Length	100'
	Condenser fan speed control	Variable Frequency Drive
ELECTRICAL DATA	Power Supply (Volts)	460 Three Phase
	Current Consumption (Amps)	27.7
	Power Consumption (kW)	20.5
	Maximum Circuit Breaker (Amps)	50
	Recommended Breaker Size	40
	Minimum Circuit Ampacity(Amps)	36.3
	Min./Max. Voltage	420-500
	Power connection	Color Coded Cam Locks
	Power Quality Control	Internal Phase and Power Monitor
CONSTRUCTION	Skid	12 Gauge G90 Galvanized Steel with Epoxy Powdercoat
	Cabinet	16 Gauge G90 Galvanized Steel with Epoxy Powdercoat
	Casters	8" Heavy Duty Swivel and Locking
DIMENSIONAL DATA	Width x Depth x Height (Inches)	32" x 64" x 60" with 8" casters
	Weight (Lbs.)	1,100
	Shipping Weight (Lbs.)	1,200
SAFETY DEVICE DATA	Compressor Overload	Internal
	Fan Motor Overload	Automatic Internal
	Evaporator Freeze Protection	Hot Gas Bypass with variable fan speed control
	High Pressure Switch	Manual
	Low Pressure Switch	Automatic
	Compressor Short Cycle	Yes
	Automatic Restart	Yes
	Thermostat Type	Digital
	Condensate Pump Overflow	Yes
	Internal Condensate Pump (high lift)	Yes

