



SPECIFICATIONS

KPO25-43

COOLING CAPACITY	BTU/hr @ 95F at 60% RH	270,000 (Nominal 25 tons)		
	Operating Temperatures	0-110 F 50%RH Condenser		
HEATING - OPTIONAL				
	Heat Strips/BTU	48kW/166,600		
COMPRESSOR DATA	Compressor Type	2 Stage Hermetic Scroll		
	Refrigerant	407C		
FAN DATA Evaporator				
	Fan Type (Centrifugal)	Direct Drive		
	Air Flow (CFM)	10000		
	Supply and Return Air Device	2-24" flanges for supply duct and 2-24" flange for return duct		
	Maximum Duct length	100' each for supply and return.		
Condenser	Fan Type (Centrifugal)	Belt Drive		
	Air Flow (CFM)	14000		
	Condenser Exhaust flange	20"		
	Condenser Duct Max. Length	100'		
	Condenser fan speed control	Variable Frequency Drive		
ELECTRICAL DATA	Power Supply (Volts)	460 Three Phase		
		Cool	Heat	COMBO
	Current Consumption (Amps)	61.8	76.4	126
	Power Consumption (kW)	44.26	60.8	94.16
	Maximum Circuit Breaker (Amps)	100	100	150
	Installed Breaker Size	100	100	100
	Minimum Circuit Ampacity(Amps)	69.35	92.67	149.63
	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		
DIMENSIONAL DATA	Width x Depth x Height (Inches)	64" x 64" x 60"; 72" x 72" x 65.6" with Frame		
	Weight (Lbs.)	2,030		
	Shipping Weight (Lbs.)	2,130		
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	Microprocessor touch screen		
	Condensate Pump Overflow	Yes		
	Internal Condensate Pump (high lift)	Yes		

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