

YP51K1T-PFV

HFC, R-32, 60 Hz, 1 - Phase, 208/230 V

Air Conditioning

Production Status: Available for sale to all U.S. customers. Please check with your local Copeland Representative for international availability.

Performance			Mechanical			
Evaporator Temp. (°F)	45.00	50	Displacement (in ³ /Rev):		2.71	
Condensing Temp. (°F)	130.00	100	Displacement (ft ³ /Hr):			
Return Gas Temp. (°F)	65.00	70	Overall Length (in):		9.27	
Liquid Temp. (°F)	115.00	85	Overall Width (in):		9.27	
Capacity (BTU/hr)	52300	67300	Overall Height (in):		16.49	
Power (W):	4780	3090	Mounting Length (in):		7.50	
Current (Amps):	21	13.7	Mounting Width (in):		7.50	
EER(BTU/Wh):	10.95	21.8	Mounting Height (in):		17.20	
Mass Flow (lbs/hr):	502	565	Suction Size (in),Type:		7 / 8 Stub	
Sound Data @ 50 / 115			Discharge Size (in),Type:		1 / 2 Stub	
Sound Power (dBA):	68 Avg	73 Max	Initial Oil Charge (oz):		42	
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):		36	
Record Date:	2023-07-26		Oil Type:		4MA	
			Net Weight (lbs):		76.6	
			Internal Free Volume (in ³):		*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors					
		Type	Part No	Low MFD	High MFD	Volt s	User Description
LRA High* (Amps):	148						
LRA Low*(Amps):		Run Capacitor	014-0064-30	80.0	0.0	370	
LRA Half Winding (Amps):		Start Capacitor	014-0061-27	88.0	106.0	330	
MCC (Amps):	37.3						
Max Operating Current (Amps):	29.0						
RLA, MCC/1.4(use for contactor selection)(Amps):	26.6						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	23.9						
RPM:	3500						
Box IP :	21						
UL File No:	SA2337-20200323						
UL File Date:	2020-03-23						

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Alternate Applications

Refrigerant

Voltage

Phase

Frequency

Application