

YP54K1T-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.

Summary

Performance		
Evaporator Temp. (°F)	45.00	50
Condensing Temp. (°F)	130.00	100
Return Gas Temp. (°F)	65.00	70
Liquid Temp. (°F)	115.00	85
Capacity (BTU/hr)	56300	72500
Power (W):	5200	3360
Current (Amps):	24.5	16.1
EER(BTU/Wh):	10.8	21.6
Mass Flow (lbs/hr):	540	608
Sound Data @ 50 / 115		
Sound Power (dBA):	68 Avg	73 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2023-09-30	
Mechanical		
Displacement (in^3/Rev):	2.95	
Displacement (ft^3/Hr):		
Overall Length (in):	9.27	
Overall Width (in):	9.27	
Overall Height (in):	16.93	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	17.70	

Suction Size (in),Type:	7 / 8 Stub
Discharge Size (in),Type:	1 / 2 Stub
Initial Oil Charge (oz):	42
Oil Recharge (oz):	36
Oil Type:	4MA
Net Weight (lbs):	75.6
Internal Free Volume (in^3):	

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical

LRA High* (Amps):	155.6
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	37.5
Max Operating Current (Amps):	32.0
RLA, MCC/1.4(use for contactor selection)(Amps):	26.8
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	24.0
RPM:	3500
Box IP :	21
UL File No:	SA2337- 20200323
UL File Date:	2026-03-09

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

Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
Run Capacitor	014-0064-30	80.0	0.0	370	
Start Capacitor	014-0061-27	88.0	106.0	330	

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
No data available in table				

Nomenclature

YP54K1T-PFV	
Family Series	
Y: Scroll A2L/A3	
Application Range/Envelope	
P: AC (High Pressure) R32	
Nominal Capacity at Rating Condition	
54K: Capacity Multiplier-1,000	
Model Variation	
1: Model Variation	
Oil Type	
T: VG46 POE 4MA	
Motor Type	
P: 1 Phase/Capacitor Run, Permanent Split Capacitor	
Motor Protection	
F: Internal Inherent Protection	
Voltage	
V: 60Hz (208/230-1) 50Hz (-)	