

FULL SPECIFICATION REPORT

COPELAND

Date : 17-Apr-2025 3:00:15 PM

Model No: ZF48K4E-TWD

Refrigerant: R-22

Voltage: 460

Phase: 3

Product Type: Scroll

Serial No: *****

Frequency (Hz): 60

Application: LT Low Cond (Scroll)

Status: Service Replacement

Mechanical

Overall Dimensions (in)	12.6L x 14.1W x 23.4H
Mounting Dimensions (in)	8.7L x 8.7W
Suction Size (in)/Type	2 1/4 Rotalock
Discharge Size (in)/Type	1 3/4 Rotalock
Oil	POE (Polyol Ester Oil)
Oil Charge (oz)	140
Oil Recharge (oz)	137
Net Weight (lb)	235
Internal Free Volume (in^3)	1120

Electrical

LRA High (Amps)	187.0
RLA (MCC/1.4) (Amps)	19.3
RLA (MCC/1.56) (Amps)	17.3
MCC (Amps)	27.0
RPM	3500
UL File No.	SA-9747
UL File Date	01 Jan 1900
Box IP	54

Performance

	#1	#2
Capacity (Btu/hr)	53,500	36,000
Evaporator Temp. (°F)	-25	-40
Condensing Temp. (°F)	50	50
Return Gas Temp. (°F)	65	65
Subcooling (F)	0	0
Power (W)	6,800	6,250
EER (Btu/Wh)	7.87	5.76
Current (Amps)	13.2	12.8
Full Performance (PDF)	Full Performance	

Operating Envelope

