

FULL SPECIFICATION REPORT

COPELAND

Date : 17-Apr-2025 2:54:40 PM

Model No: ZF54K5E-TF7

Refrigerant: R-404A

Voltage: 380/400

Phase: 3

Product Type: Scroll

Serial No: *****

Frequency (Hz): 60

Application: Low Temp, Liquid Inj

Status: OEM Production

Mechanical

Overall Dimensions (in)	14.3L x 12.3W x 21.7H
Mounting Dimensions (in)	7.5L x 7.5W
Suction Size (in)/Type	1 3/4
Discharge Size (in)/Type	1 1/4
Oil	POE (Polyol Ester Oil)
Oil Charge (oz)	114
Oil Recharge (oz)	110
Net Weight (lb)	146
Internal Free Volume (in^3)	--

Electrical

LRA High (Amps)	220.0
RLA (MCC/1.4) (Amps)	31.7
RLA (MCC/1.56) (Amps)	28.5
MCC (Amps)	44.4
RPM	3500
UL File No.	SA2337-20120117
UL File Date	17 Jan 2012
Box IP	54

Performance

	#1	#2
Capacity (Btu/hr)	54,100	37,100
Evaporator Temp. (°F)	-25	-40
Condensing Temp. (°F)	105	105
Return Gas Temp. (°F)	65	65
Subcooling (F)	0	0
Power (W)	11,250	9,960
EER (Btu/Wh)	4.81	3.72
Current (Amps)	23.5	22.1
Full Performance (PDF)	Full Performance	

Operating Envelope

