

FULL SPECIFICATION REPORT

COPELAND

Date : 15-Apr-2025 2:41:03 PM

Model No: ZR42K5E-TFD

Refrigerant: R-407C

Voltage: 460

Phase: 3

Product Type: Scroll

Serial No: *****

Frequency (Hz): 60

Application: Air Conditioning

Status: OEM Production

Mechanical

Overall Dimensions (in)	9.7L x 9.7W x 16.4H
Mounting Dimensions (in)	7.5L x 7.5W
Suction Size (in)/Type	7/8 Stub
Discharge Size (in)/Type	1/2 Stub
Oil	3MA (Polyol Ester Oil)
Oil Charge (oz)	42
Oil Recharge (oz)	34
Net Weight (lb)	60.8
Internal Free Volume (in^3)	226.3

Electrical

LRA High (Amps)	48.0
RLA (MCC/1.4) (Amps)	6.4
RLA (MCC/1.56) (Amps)	5.8
MCC (Amps)	9.0
RPM	3500
UL File No.	SA2337-20031217
UL File Date	17 Dec 2003
Box IP	21

Performance

	#1	#2
Capacity (Btu/hr)	41,400	55,300
Evaporator Temp. (°F)	45	50
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	70
Subcooling (F)	15	15
Power (W)	3,850	2,500
EER (Btu/Wh)	10.75	22.12
Current (Amps)	5.7	4.3
Full Performance (PDF)	Full Performance	

Operating Envelope

