

FULL SPECIFICATION REPORT

COPELAND

Date : 17-Apr-2025 2:54:13 PM

Model No: ZFD41K5E-TFC

Refrigerant: R-404A

Voltage: 208/230

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 21.0H
Mounting Dimensions (in)	7.5L x 7.5W
Suction Size (in)/Type	1 3/4 Rotalock
Discharge Size (in)/Type	1 1/4 Rotalock
Oil	POE (Polyol Ester Oil)
Oil Charge (oz)	114
Oil Recharge (oz)	110
Net Weight (lb)	--
Internal Free Volume (in^3)	798

Electrical

LRA High (Amps)	248.0
RLA (MCC/1.4) (Amps)	42.1
RLA (MCC/1.56) (Amps)	37.8
MCC (Amps)	59.0
RPM	3500
UL File No.	SA2337-20120117
UL File Date	17 Jan 2012
Box IP	54

Performance

	#1	#2
Capacity (Btu/hr)	40,200	27,200
Evaporator Temp. (°F)	-25	-40
Condensing Temp. (°F)	105	105
Return Gas Temp. (°F)	65	65
Subcooling (F)	0	0
Power (W)	8,000	7,250
EER (Btu/Wh)	5.03	3.75
Current (Amps)	28.1	26.2
Full Performance (PDF)	Full Performance	

Operating Envelope

