



Performance Report

Performance Specification

Project Name: KIG 25F Ratings

Unit Tag: CH-1

Qty.: 1

Model: YLAA-0080SJ46VSD

Full Load - Design

PIN

YLAA0082HJ	46XFBBCTXA	SXBLXCXX25	SE1X?XHXXX	YUXGXXX3XX	XVGNXXXXXX			
....5...10	5...20	5...30	5...40	5...50	5...60	5...70	5...80	5...90

Unit

Model No.	YLAA-0080SJ46VSD
Number of Compressors	6
Compressor Type	Scroll - Hermetic
Number of Compressor Circuits	2
Refrigerant	R454B

Performance Data

Cooling Capacity [tons.R]	53.49
Total Power Input [kW]	80.63
EER [Btu/W.h]	7.960
NPLV/IP [Btu/W.h]	13.47
A-Weighted Sound Power [dB(A)]	94.0

Electrical Data

Nominal Voltage / Voltage Limits	460/3/60 / 414-506
Compressor RLA (each circuit) [A]	26.9 / 26.9 / 26.9 / 24.4 / 24.4 / 24.4
High LRA Current (each circuit) [A]	180.0 / 180.0 / 180.0 / 145.0 / 145.0 / 145.0
Fan QTY (each circuit)	2 / 2
Fan FLA (each circuit) [A]	3.4 / 3.4
Min. Circuit Ampacity [A]	179.0
Recommended Fuse / CB Rating [A]	200.0
Max. Inverse Time CB Rating [A]	200.0
Max. Dual Element Fuse Size [A]	200.0
Unit Short Circuit Withstand [kA]	65 kA/460
Wires Per Phase	1
Wire Range (Lug Size)	#4 AWG - 300 kcmil
Compressor kW	73.91



De-rated cooling capacity for YLAA-0080 chiller when running in Glycol mode at 25F setpoint and using 35% PG glycol concentration

Performance Impacting Options

Starter Type	Across the line starter
Power Factor Correction Capacitor	No Power Capacitor required
Remote Evaporator	Standard Cooler required
Sound Kit	No Acoustic Blanket required
Fan	Low Sound Fans with VSD

Weight & Dimensional Data

Shipping Weight [lbs]	4533
Operating Weight [lbs]	4616
Refrigerant Charge [lbs]	63
Length [in]	101.4
Width [in]	88.3
Height [in]	94.2

Project Name: KIG 25F Ratings

Unit Guid: ab2f0909-3b4c-40f3-a75b-c94f4ed0ec0b

Rating Engine Version: REV.v9_31a.idd

Unit Name: CH-1

Version: SN25.12a

CHL.2026-01.001

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