



Model: AK2448Z-NA3C

Product Description

Compressor Type: Reciprocating

Application: LBP - Low Back Pressure

Refrigerant: R-404A/R-448A/R-449A/R-452A

Voltage/Frequency: 208-230V ~ 60Hz

Version: AK2 Series

Specifications

General

- Evaporating Temp. Range : -40°C to -10°C (-40°F to 14°F)
- Motor Torque: High Start Torque (HST)
- Compressor Cooling: Fan

Mechanical

- Weight: 35 LB
- Displacement (cc): 25.6
- Oil Type: Polyolester
- Viscosity (cSt): 32
- Oil Charge (cc): 512

Electrical

- Locked Rotor Amps (LRA): 32.4
- Rated Load Amps (RLA 60Hz): 4.5
- Voltage Range (60Hz): 187-254
- Rated Load Amps (RLA 50Hz): 0
- Max. Continuous Current (MCC in Amps): 9.1
- Motor Resistance (Ohm) - Main: 1.48
- Motor Resistance (Ohm) - Start: 2.22
- Motor Type: CSR

Agency Approval

- cURus_RECOGNIZED

Performance

[See all performance data](#)

ARI (R-407A)

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	2641
(R) Refrigeration Capacity (Kcal/h)	666
(R) Refrigeration Capacity (W)	774
Input Power (W)W	826
(E) Efficiency (BTU/Wh)	3.16
(E) Efficiency (Kcal/Wh)	.81
(E) Efficiency (W/W)	.94
EVAP TEMP	-6.7°C (20°F)
COND TEMP	49°C (120°F)
AMBIENT TEMP	35°C (95°F)
RETURN GAS	4.4°C (40°F)
LIQUID TEMP	49°C (120°F)

ASHRAE (R-404A)

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	4890
(R) Refrigeration Capacity (Kcal/h)	1232
(R) Refrigeration Capacity (W)	1433
Input Power (W)W	1036
(E) Efficiency (BTU/Wh)	4.72
(E) Efficiency (Kcal/Wh)	1.19
(E) Efficiency (W/W)	1.38
EVAP TEMP	-23°C (-10°F)
COND TEMP	54°C (130°F)
AMBIENT TEMP	32°C (90°F)
RETURN GAS	32°C (90°F)
LIQUID TEMP	32°C (90°F)

ARI (R-404A)

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3586
(R) Refrigeration Capacity (Kcal/h)	904
(R) Refrigeration Capacity (W)	1051
Input Power (W)W	1020
(E) Efficiency (BTU/Wh)	3.52
(E) Efficiency (Kcal/Wh)	.89
(E) Efficiency (W/W)	1.03
EVAP TEMP	-23°C (-10°F)
COND TEMP	49°C (120°F)
AMBIENT TEMP	35°C (95°F)
RETURN GAS	4.4°C (40°F)
LIQUID TEMP	49°C (120°F)

ASHRAE (R-452A)

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	4454
(R) Refrigeration Capacity (Kcal/h)	1123
(R) Refrigeration Capacity (W)	1305
Input Power (W)W	1038
(E) Efficiency (BTU/Wh)	4.29
(E) Efficiency (Kcal/Wh)	1.08
(E) Efficiency (W/W)	1.25
EVAP TEMP	-23°C (-10°F)
COND TEMP	54°C (130°F)
AMBIENT TEMP	32°C (90°F)
RETURN GAS	32°C (90°F)
LIQUID TEMP	32°C (90°F)

ARI (R-452A)

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3412
(R) Refrigeration Capacity (Kcal/h)	860
(R) Refrigeration Capacity (W)	999
Input Power (W)W	1025
(E) Efficiency (BTU/Wh)	3.32
(E) Efficiency (Kcal/Wh)	.83

ARI (R-452A)

(E) Efficiency (W/W) .97

EVAP TEMP -23°C (-10°F)

COND TEMP 49°C (120°F)

AMBIENT TEMP 35°C (95°F)

RETURN GAS 4.4°C (40°F)

LIQUID TEMP 49°C (120°F)

Item

- AK2ZD1DR107J70
- AK2ZD1DR101A40 (Inactive)
- AK2ZD1DR107A40 (Inactive)
- AK2ZD1DR107J20 (Inactive)
- AK2ZD1DR107P20 (Inactive)
- AK2ZD1DT101A40 (Inactive)
- AK2ZD1DT107A40 (Inactive)
- AK2ZD1DT107J70 (Inactive)