



Model: AKA9438ZXA

Product Description

Compressor Type: Reciprocating

Application: CBP - Commercial Back Pressure

Refrigerant: R-404A/R-407A/R-448A/R-449A/R-452A

Voltage/Frequency: 100V ~ 50Hz / 115V ~ 60Hz

Version: AK Series

Specifications

General

- Evaporating Temp. Range :-17.8°C to 10°C (0°F to 50°F)
- Motor Torque: High Start Torque (HST)
- Compressor Cooling: Fan

Mechanical

- Weight: 41 LB
- Displacement (cc): 15.634
- Oil Type: Polyolester
- Viscosity (cSt): 32
- Oil Charge (cc): 512

Electrical

- Locked Rotor Amps (LRA): 58.8
- Rated Load Amps (RLA 60Hz): 9.2
- Voltage Range (50Hz): 90-110
- Voltage Range (60Hz): 103-127
- Rated Load Amps (RLA 50Hz): 0
- Max. Continuous Current (MCC in Amps): 12.4
- Motor Resistance (Ohm) - Main: 0.59
- Motor Resistance (Ohm) - Start: 4.22
- Motor Type: CSIR

Agency Approval

cURus_RECOGNIZED

Performance

[See all performance data](#)

ARI (R-407A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3796
(R) Refrigeration Capacity (Kcal/h)	957
(R) Refrigeration Capacity (W)	1112
Input Power (W)W	756
(E) Efficiency (BTU/Wh)	5.02
(E) Efficiency (Kcal/Wh)	1.27
(E) Efficiency (W/W)	1.47
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)

ARI (R-449A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3735
(R) Refrigeration Capacity (Kcal/h)	941
(R) Refrigeration Capacity (W)	1094
Input Power (W)W	724
(E) Efficiency (BTU/Wh)	5.15
(E) Efficiency (Kcal/Wh)	1.3
(E) Efficiency (W/W)	1.51
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)

ARI (R-452A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3728
(R) Refrigeration Capacity (Kcal/h)	940
(R) Refrigeration Capacity (W)	1092
Input Power (W)W	757
(E) Efficiency (BTU/Wh)	4.92
(E) Efficiency (Kcal/Wh)	1.24
(E) Efficiency (W/W)	1.44
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)

ARI (R-448A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3735
(R) Refrigeration Capacity (Kcal/h)	941
(R) Refrigeration Capacity (W)	1094
Input Power (W)W	724
(E) Efficiency (BTU/Wh)	5.15
(E) Efficiency (Kcal/Wh)	1.3
(E) Efficiency (W/W)	1.51
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)

ARI (R-404A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3750
(R) Refrigeration Capacity (Kcal/h)	945
(R) Refrigeration Capacity (W)	1099
Input Power (W)W	800
(E) Efficiency (BTU/Wh)	4.69
(E) Efficiency (Kcal/Wh)	1.18

ARI (R-404A)

(E) Efficiency (W/W) 1.37

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)

Item

AK175AR-A35-A4

AK175AR-A35-J7

AK175AR-B37-J7

AK175AR-B38-J7

AK175AR-A35-B4 (Discontinued)

AK175AT-035-A4 (Discontinued)

AK175AT-035-B4 (Discontinued)

AK175AT-038-J7 (Discontinued)

AK175AT-039-A4 (Discontinued)

14951394 (Inactive)

AK175AH-035-A2 (Inactive)

AK175AH-035-A4 (Inactive)

AK175AH-035-B4 (Inactive)

AK175AH-038-A2 (Inactive)

AK175AH-048-A2 (Inactive)

AK175AH-048-A4L (Inactive)

AK175AR-035-A2VN (Inactive)

AK175AR-A39-A4 (Inactive)

AK175AR-A48-A4L (Inactive)

AK175AT-035-A2 (Inactive)

AK175AT-035-B4-45 (Inactive)

AK175AT-035-B4Y (Inactive)

AK175AT-035-C4 (Inactive)

AK175AT-035-J7 (Inactive)

AK175AT-035-P21 (Inactive)

AK175AT-035-P3 (Inactive)

AK175AT-037-J7 (Inactive)

AK175AT-037-J7F (Inactive)

AK175AT-037-M7 (Inactive)

AK175AT-038-A2 (Inactive)

AK175AT-038-P21 (Inactive)

AK175AT-039-A4L (Inactive)

AK175AT-039-B4D (Inactive)

AK175AT-046-A4K (Inactive)

AK175AT-048-A4L (Inactive)

AK175BT-039-A4 (Inactive)