



**Model: AKA9438ZXD**

### **Product Description**

**Compressor Type:** Reciprocating

**Application:** CBP - Commercial Back Pressure

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

**Voltage/Frequency:** 200V ~ 50Hz / 208-230V ~ 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:** 42 LB

**Displacement (cc):** 15.634

**Oil Type:** Polyolester

**Viscosity (cSt):** 32

**Oil Charge (cc):** 512

## Electrical

**Locked Rotor Amps (LRA):** 31

**Rated Load Amps (RLA 60Hz):** 4.3

**Voltage Range (50Hz):** 180-220

**Voltage Range (60Hz):** 187-254

**Rated Load Amps (RLA 50Hz):** 0

**Max. Continuous Current (MCC in Amps):** 6.7

**Motor Resistance (Ohm) - Main:** 1.77

**Motor Resistance (Ohm) - Start:** 10.43

**Motor Type:** CSR

## Agency Approval

cURus\_RECOGNIZED

# Performance

[See all performance data](#)

## ARI (R-448A)

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3735
(R) Refrigeration Capacity (Kcal/h)	941
(R) Refrigeration Capacity (W)	1094
Input Power (W)W	760
(E) Efficiency (BTU/Wh)	4.91
(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)

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## ARI (R-452A)

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3728
(R) Refrigeration Capacity (Kcal/h)	940
(R) Refrigeration Capacity (W)	1092
Input Power (W)W	795
(E) Efficiency (BTU/Wh)	4.69
(E) Efficiency (Kcal/Wh)	1.18
(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)

## ARI (R-407A)

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3833
(R) Refrigeration Capacity (Kcal/h)	966
(R) Refrigeration Capacity (W)	1123
Input Power (W)W	803
(E) Efficiency (BTU/Wh)	4.77
(E) Efficiency (Kcal/Wh)	1.2
(E) Efficiency (W/W)	1.4
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	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3750
(R) Refrigeration Capacity (Kcal/h)	945
(R) Refrigeration Capacity (W)	1099
Input Power (W)W	840
(E) Efficiency (BTU/Wh)	4.46
(E) Efficiency (Kcal/Wh)	1.13

**ARI (R-404A)**

(E) Efficiency (W/W) 1.31

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

AK175ER-B37-J7

AK175ER-B38-J7

AK175ET-035-A4 (Discontinued)

AK175ET-037-J7 (Discontinued)

AK175ET-039-A4 (Discontinued)

AK175ER-A35-A4 (Inactive)

AK175ER-A48-A4L (Inactive)

AK175ET-035-A2 (Inactive)

AK175ET-035-A4Y (Inactive)

AK175ET-035-B6 (Inactive)

AK175ET-035-C6 (Inactive)

AK175ET-035-J7 (Inactive)

AK175ET-037-J7F (Inactive)

AK175ET-037-M7 (Inactive)

AK175ET-038-A4 (Inactive)

AK175ET-038-A4Y (Inactive)

AK175ET-038-J7 (Inactive)

AK175ET-039-A4D (Inactive)

AK175ET-039-A4L (Inactive)

AK175ET-048-A4L (Inactive)

AK175FT-039-A4 (Inactive)