



Model: AKA9455ZXA

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: 44 LB

Displacement (cc): 20.436

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 512

Electrical

Locked Rotor Amps (LRA): 50

Rated Load Amps (RLA 60Hz): 10.1

Voltage Range (50Hz): 90-110

Voltage Range (60Hz): 103-127

Rated Load Amps (RLA 50Hz): 0

Max. Continuous Current (MCC in Amps): 17.3

Motor Resistance (Ohm) - Main: 0.69

Motor Resistance (Ohm) - Start: 5.95

Motor Type: CSR

Agency Approval

cURus_RECOGNIZED

Performance

[See all performance data](#)

ARI (R-448A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	5428
(R) Refrigeration Capacity (Kcal/h)	1368
(R) Refrigeration Capacity (W)	1591
Input Power (W)W	1050
(E) Efficiency (BTU/Wh)	5.17
(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-449A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	5428
(R) Refrigeration Capacity (Kcal/h)	1368
(R) Refrigeration Capacity (W)	1591
Input Power (W)W	1050
(E) Efficiency (BTU/Wh)	5.17
(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)	5418
(R) Refrigeration Capacity (Kcal/h)	1366
(R) Refrigeration Capacity (W)	1588
Input Power (W)W	1098
(E) Efficiency (BTU/Wh)	4.93
(E) Efficiency (Kcal/Wh)	1.24
(E) Efficiency (W/W)	1.45
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	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	5517
(R) Refrigeration Capacity (Kcal/h)	1391
(R) Refrigeration Capacity (W)	1617
Input Power (W)W	1096
(E) Efficiency (BTU/Wh)	5.03
(E) Efficiency (Kcal/Wh)	1.27
(E) Efficiency (W/W)	1.48
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)	5450
(R) Refrigeration Capacity (Kcal/h)	1373
(R) Refrigeration Capacity (W)	1597
Input Power (W)W	1160
(E) Efficiency (BTU/Wh)	4.7
(E) Efficiency (Kcal/Wh)	1.18

ARI (R-404A)

(E) Efficiency (W/W) 1.38

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

AK171AR-A32-A4

AK171AR-A32-B6

AK171AR-A32-J7

AK171AR-A39-J7

AK171AR-B38-J7

AK171AR-A39-A4 (Discontinued)

AK171AT-032-J7 (Discontinued)

AK171AT-038-J7 (Discontinued)

AK171AH-032-A2 (Inactive)

AK171AH-032-A4 (Inactive)

AK171AH-038-A2 (Inactive)

AK171AH-038-J7 (Inactive)

AK171AH-039-A2 (Inactive)

AK171AH-039-A4 (Inactive)

AK171AR-A32-B6Y (Inactive)

AK171AR-B38-A4 (Inactive)

AK171AR-B38-A4Y (Inactive)

AK171AT-032-A4 (Inactive)

AK171AT-032-A4Y (Inactive)

AK171AT-032-B6 (Inactive)

AK171AT-032-B6Y (Inactive)

AK171AT-032-M7 (Inactive)

AK171AT-032-P7 (Inactive)

AK171AT-038-A2 (Inactive)

AK171AT-038-A4 (Inactive)

AK171AT-038-A4Y (Inactive)

AK171AT-038-P21 (Inactive)

AK171AT-039-A4 (Inactive)

AK171AT-039-A4-45 (Inactive)

AK171AT-039-A4F (Inactive)

AK171BR-A39-A2VM (Inactive)

AK171BT-039-A4 (Inactive)

AK171BT-039-J7 (Inactive)