

**Model: AE4450Z-AA3C**

## **Product Description**

**Compressor Type:** Reciprocating

**Application:** HBP/CBP - High/Commercial Back Pressure

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

**Voltage/Frequency:** 115V ~ 60Hz

**Version:** AE Series

# Specifications

## General

**Evaporating Temp. Range** :-15°C to 15°C (5°F to 59°F)

**Motor Torque:** High Start Torque (HST)

**Compressor Cooling:** Fan

## Mechanical

**Displacement (cc):** 8.85

**Oil Type:** Polyolester

**Viscosity (cSt):** 32

**Oil Charge (cc):** 366.3

## Electrical

**Locked Rotor Amps (LRA):** 34.5

**Rated Load Amps (RLA 60Hz):** 6

**Voltage Range (60Hz):** 103-127

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

**Max. Continuous Current (MCC in Amps):** 9.69

**Motor Resistance (Ohm) - Main:** 0.92

**Motor Resistance (Ohm) - Start:** 1.88

**Motor Type:** CSR

## Agency Approval

**cURus\_RECOGNIZED**

# Performance

[See all performance data](#)

## ASHRAE (R-404A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	5850
(R) Refrigeration Capacity (Kcal/h)	1474
(R) Refrigeration Capacity (W)	1715
Input Power (W)W	670
(E) Efficiency (BTU/Wh)	8.73
(E) Efficiency (Kcal/Wh)	2.2
(E) Efficiency (W/W)	2.56
EVAP TEMP	7.2°C (45°F)
COND TEMP	54°C (130°F)
AMBIENT TEMP	35°C (95°F)
RETURN GAS	35°C (95°F)
LIQUID TEMP	46°C (115°F)

## ASHRAE (R-449A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	5665
(R) Refrigeration Capacity (Kcal/h)	1429
(R) Refrigeration Capacity (W)	1660
Input Power (W)W	611
(E) Efficiency (BTU/Wh)	9.27
(E) Efficiency (Kcal/Wh)	2.34
(E) Efficiency (W/W)	2.72
EVAP TEMP	7.2°C (45°F)
COND TEMP	54°C (130°F)
AMBIENT TEMP	35°C (95°F)
RETURN GAS	35°C (95°F)
LIQUID TEMP	46°C (115°F)

## ASHRAE (R-452A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	5707
(R) Refrigeration Capacity (Kcal/h)	1439
(R) Refrigeration Capacity (W)	1673
Input Power (W)W	642
(E) Efficiency (BTU/Wh)	8.89
(E) Efficiency (Kcal/Wh)	2.24
(E) Efficiency (W/W)	2.61
EVAP TEMP	7.2°C (45°F)
COND TEMP	54°C (130°F)
AMBIENT TEMP	35°C (95°F)
RETURN GAS	35°C (95°F)
LIQUID TEMP	46°C (115°F)

## Item

AE1793BR

AE1797E-677-J7

AE1894BR (Inactive)

AE-1898-E (Inactive)