

**Model: AE4440U-AA1A**

(AE4440U)

## **Product Description**

**Compressor Type:** Reciprocating

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

**Refrigerant:** R-290

**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

**Weight:** 10 KG

**Displacement (cc):** 8.02

**Oil Type:** Polyolester

**Viscosity (cSt):** 32

**Oil Charge (cc):** 264.55

## Electrical

**Locked Rotor Amps (LRA):** 30.5

**Rated Load Amps (RLA 60Hz):** 5.5

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

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

**Max. Continuous Current (MCC in Amps):** 8

**Motor Resistance (Ohm) - Main:** 1.62

**Motor Resistance (Ohm) - Start:** 3.96

**Motor Type:** CSIR

## Agency Approval

**CE\_LISTED, cURus\_RECOGNIZED**

## Performance

[See all performance data](#)

### ASHRAE (R-290)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	4500
(R) Refrigeration Capacity (Kcal/h)	1134
(R) Refrigeration Capacity (W)	1319
Input Power (W)	495
(E) Efficiency (BTU/Wh)	9.09
(E) Efficiency (Kcal/Wh)	2.29
(E) Efficiency (W/W)	2.66
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

AE1090BR

AE-1090-E

AE1143BR

AE1146E-209-A4

AE1146E-209-J7

AE-1260-BF

AE-1260-BF-M

AE-1261-BF

AE-1261-BF-M

AE2030BR

AE-2032-E

AE2112BR

AE-2112-E

AE1011BR (Discontinued)

AE-1011-E (Discontinued)

AE1399BR (Inactive)

AE-1402-E (Inactive)