

**Model: AE4440Y-FZ1A**

## **Product Description**

**Compressor Type:** Reciprocating

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

**Refrigerant:** R-134a

**Voltage/Frequency:** 220-240V ~ 50Hz

**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):** 10.33

**Oil Type:** Polyolester

**Viscosity (cSt):** 32

**Oil Charge (cc):** 264.55

## Electrical

**Locked Rotor Amps (LRA):** 13.5

**Rated Load Amps (RLA 60Hz):** 0

**Voltage Range (50Hz):** 198-253

**Rated Load Amps (RLA 50Hz):** 2.51

**Max. Continuous Current (MCC in Amps):** 3.51

**Motor Resistance (Ohm) - Main:** 8.29

**Motor Resistance (Ohm) - Start:** 19.16

**Motor Type:** CSIR

## Agency Approval

VDE\_LISTED, CE\_LISTED, ISI\_LISTED, CCC\_LISTED, IRAM\_LISTED, GOST\_LISTED, GOST\_UKR\_LISTED,  
TIS\_LISTED, cURus\_RECOGNIZED

# Performance

[See all performance data](#)

## ASHRAE (R-513A)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	3799
(R) Refrigeration Capacity (Kcal/h)	957
(R) Refrigeration Capacity (W)	1113
Input Power (W)W	497
(E) Efficiency (BTU/Wh)	7.64
(E) Efficiency (Kcal/Wh)	1.93
(E) Efficiency (W/W)	2.24
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-134a)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	3650
(R) Refrigeration Capacity (Kcal/h)	920
(R) Refrigeration Capacity (W)	1070
Input Power (W)W	447
(E) Efficiency (BTU/Wh)	8.17
(E) Efficiency (Kcal/Wh)	2.06
(E) Efficiency (W/W)	2.39
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

AE-1038-BF

AE-1038-BF-M

AE-1039-BF

AE-1039-BF-M

AE1051BR

AE-1051-E

AE-1057-BF-M

AE1103BR

AE-1103-E

AE1114BR

AE-1117-E

AE1133BR

AE-1136-E

AE1184BR

AE1187E-212-A4

AE1222YF-011-A4

AE1301BR

AE-1304-E

AE1339BR

AE-1342-E

AE1493BR

AE-1496-E

AE1665BR

AE-1668-E

AE1760BR

AE-1764-E

AE1779BR

AE-1783-E

AE2078BR

AE-2078-E

AE1028BR (Discontinued)

AE-1028-E (Discontinued)

AE-1057-E (Discontinued)

AE-1077-E (Discontinued)

AE1131BR (Discontinued)

AE-1134-E (Discontinued)

AE1292BR (Discontinued)

AE-1295-E (Discontinued)

AE1457BR (Discontinued)

AE-1460-E (Discontinued)

AE1484BR (Discontinued)  
AE-1487-E (Discontinued)  
AE1528BR (Discontinued)  
AE-1531-E (Discontinued)  
AE1874BR (Discontinued)  
AE-1878-E (Discontinued)  
AE1882BR (Discontinued)  
AE-1886-E (Discontinued)  
AE1000BR (Inactive)  
AE-1000-E (Inactive)  
AE-1002-BF (Inactive)  
AE-1003-BF (Inactive)  
AE1018BR (Inactive)  
AE-1018-E (Inactive)  
AE1030BR (Inactive)  
AE-1030-E (Inactive)  
AE1051BRD (Inactive)  
AE1057BR (Inactive)  
AE1057BRD (Inactive)  
AE1064BR (Inactive)  
AE-1064-E (Inactive)  
AE1077BR (Inactive)  
AE1085BR (Inactive)  
AE-1085-E (Inactive)  
AE-1090-BF (Inactive)  
AE1120BR (Inactive)  
AE1120BRD (Inactive)  
AE1122BR (Inactive)  
AE-1123-E (Inactive)  
AE-1125-E (Inactive)  
AE1126BR (Inactive)  
AE-1129-E (Inactive)  
AE1133BRD (Inactive)  
AE1187E-212-K7 (Inactive)  
AE1322BR (Inactive)  
AE-1325-E (Inactive)  
AE1352BR (Inactive)  
AE-1355-E (Inactive)  
AE1402BR (Inactive)  
AE-1405-E (Inactive)  
AE1623BR (Inactive)  
AE1623BRD (Inactive)  
AE-1626-E (Inactive)