

**Model: AE4440Y-FZ1A**
**Product Description**

**Type:** Reciprocating  
**Application:** HBP/CBP - High/Commercial  
 Back Pressure  
**Refrigerant:** R-134a  
**Voltage/Frequency:** 220-240V ~ 50Hz  
**Version:** N/A

**Product Specifications**
**Performance**

| Condition       | Test Voltage | Refrigeration Capacity |        |      | Input Power | Efficiency |         |      | EVAP TEMP    | COND TEMP    | AMBIENT TEMP | RETURN GAS  | LIQUID TEMP  |
|-----------------|--------------|------------------------|--------|------|-------------|------------|---------|------|--------------|--------------|--------------|-------------|--------------|
|                 |              | Btu/h                  | kcal/h | W    | W           | Btu/Wh     | kcal/Wh | W/W  |              |              |              |             |              |
| ASHRAE (R-134a) | 220V ~ 50HZ  | 3650                   | 920    | 1070 | 447         | 8.17       | 2.06    | 2.39 | 7.2°C (45°F) | 54°C (130°F) | 35°C (95°F)  | 35°C (95°F) | 46°C (115°F) |
| ASHRAE (R-513A) | 220V ~ 50HZ  | 3799                   | 957    | 1113 | 497         | 7.64       | 1.93    | 2.24 | 7.2°C (45°F) | 54°C (130°F) | 35°C (95°F)  | 35°C (95°F) | 46°C (115°F) |

**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  
**Weight Unit of Measure:** KG  
**Displacement (cc):** 10.33  
**Oil Type:** Polyolester  
**Viscosity (cSt):** 32  
**Oil Charge (cc):** 284.9

**Electrical**

**Voltage Range (50 Hz):** 198-253  
**Voltage Range (60 Hz):** N/A  
**Locked Rotor Amps (LRA):** 13.5  
**Rated Load Amps (RLA 50 Hz):** 2.51  
**Rated Load Amps (RLA 60 Hz):** 0  
**Max. Continuous Current (MCC in Amps):** 3.51  
**Motor Resistance (Ohm) - Main:** 8.29  
**Motor Resistance (Ohm) - Start:** 19.16  
**Motor Type:** CSIR  
**Overload Type:** N/A  
**Relay Type:** N/A

**Agency Approval**

CCC Listed, CE Listed, GOST RUSSIA Listed, GOST  
UKRAINE Listed, IRAM Listed, VDE Listed, cURus  
Recognized

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