Technical Datasheet

3/20/2021

# Model: AE1420Z-FZ1B

## Product Description

**Type:** Reciprocating Compressors
**Application:** LBP - Low Back Pressure
**ProductDescription:** R-404A
**Voltage/Frequency:** 220-240V ~ 50Hz
**Version:** N/A

## Product Specifications

### Performance

| | | Refrigeration Capacity | | | Input Power | (E) Efficiency | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Condition | Test Voltage | (R) Btu/h | (R) kcal/h | (R) W | (I) W | (E) Btu/Wh | (E) kcal/Wh | W/W | EVAP TEMP | Condition | AMBIENT TEMP | RETURN GAS | LIQUID TEMP |
| ASHRAE | 220V ~ 50HZ | 1600 | 403 | 469 | 363 | 4.41 | 1.11 | 1.29 | -23°C (-10°F) | 54°C (130°F) | 32°C (90°F) | 32°C (90°F) | 32°C (90°F) |

### General

**Evaporating Temp. Range:** -40°C to -10°C (-40°F to 14°F)
**Motor Torque:** Low Start Torque (LST)
**Compressor Cooling:** Fan

### Mechanical

**Weight:** 11
**Weight Unit of Measure:** KG
**Displacement (cc):** 9.35
**Oil Type:** Polyolester
**Viscosity (cSt):** 32
**Oil Charge (cc):** 387

### Electrical

**Voltage Range (50 Hz):** 198-253
**Voltage Range (60 Hz):**
**Locked Rotor Amps (LRA):** 18.5
**Rated Load Amps (RLA 50 Hz):** 2.55
**Rated Load Amps (RLA 60 Hz):** 0
**Max. Continuous Current (MCC in Amps):** 0
**Motor Resistance (Ohm) - Main:** 3.85
**Motor Resistance (Ohm) - Start:** 22.47
**MotorType:** CSIR
**Overload Type:**
**Relay Type:**

### Agency Approval

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