

## Product Specifications

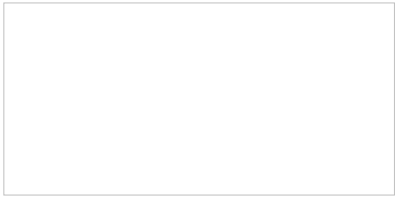
### Performance

6/12/2023

Model: AE4470Z-AA3C

### Product Description

**Type:** Reciprocating Compressors  
**Application:** HBP/CBP - High/Commercial Back Pressure  
**Refrigerant:** R-404A/R-407A/R-448A/R-449A/R-452A  
**Voltage/Frequency:** 115V ~ 60Hz  
**Version:** N/A



| Condition       | Test Voltage | Refrigeration Capacity |               | Input Power (E) |       | Efficiency    |                | W/W  | EVAP TEMP     | Condition     | AMBIENT TEMP | RETURN GAS   | LIQUID TEMP   |
|-----------------|--------------|------------------------|---------------|-----------------|-------|---------------|----------------|------|---------------|---------------|--------------|--------------|---------------|
|                 |              | (R)<br>Btu/h           | (R)<br>kcal/h | (R)<br>W        | (I) W | (E)<br>Btu/Wh | (E)<br>kcal/Wh |      |               |               |              |              |               |
| ASHRAE (R-407A) | 115V ~ 60HZ  | 7504                   | 1892          | 2199            | 948   | 7.92          | 2              | 2.32 | 7.2?C (45? F) | 54?C (130? F) | 35?C (95?F)  | 35?C (95? F) | 46?C (115? F) |
| ASHRAE (R-449A) | 115V ~ 60HZ  | 7881                   | 1987          | 2310            | 931   | 8.46          | 2.13           | 2.48 | 7.2?C (45? F) | 54?C (130? F) | 35?C (95?F)  | 35?C (95? F) | 46?C (115? F) |
| ASHRAE (R-448A) | 115V ~ 60HZ  | 7881                   | 1987          | 2310            | 931   | 8.46          | 2.13           | 2.48 | 7.2?C (45? F) | 54?C (130? F) | 35?C (95?F)  | 35?C (95? F) | 46?C (115? F) |
| ARI (R-404A)    | 115V ~ 60HZ  | 7248                   | 1826          | 2125            | 1031  | 7.03          | 1.77           | 2.06 | 7.2?C (45? F) | 54?C (130? F) | 35?C (95?F)  | 15?C (59? F) | 46?C (115? F) |
| ASHRAE (R-452A) | 115V ~ 60HZ  | 7607                   | 1918          | 2229            | 979   | 7.77          | 1.96           | 2.28 | 7.2?C (45? F) | 54?C (130? F) | 35?C (95?F)  | 35?C (95? F) | 46?C (115? F) |
| ASHRAE (R-404A) | 115V ~ 60HZ  | 8000                   | 2016          | 2345            | 1028  | 7.78          | 1.96           | 2.28 | 7.2?C (45? F) | 54?C (130? F) | 35?C (95?F)  | 35?C (95? F) | 46?C (115? F) |
| ASHRAE (R-407A) | 115V ~ 60HZ  | 7504                   | 1892          | 2199            | 948   | 7.92          | 2              | 2.32 | 7.2?C (45? F) | 54?C (130? F) | 35?C (95?F)  | 35?C (95? F) | 46?C (115? F) |
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| ASHRAE (R-404A) | 115V ~ 60HZ  | 8000                   | 2016          | 2345            | 1028  | 7.78          | 1.96           | 2.28 | 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:** 11  
**Weight Unit of Measure:** KG  
**Displacement (cc):** 12.01  
**Oil Type:** Polyolester  
**Viscosity (cSt):** 32  
**Oil Charge (cc):** 387

### Electrical

**Voltage Range (50 Hz):**  
**Voltage Range (60 Hz):** 103-127  
**Locked Rotor Amps (LRA):** 48  
**Rated Load Amps (RLA 50 Hz):** 0  
**Rated Load Amps (RLA 60 Hz):** 9.5  
**Max. Continuous Current (MCC in Amps):** 13.96  
**Motor Resistance (Ohm) - Main:** 0.76  
**Motor Resistance (Ohm) - Start:** 3.71  
**MotorType:** CSR  
**Overload Type:**

**Relay Type:**

Agency Approval

CE Listed, cURus Recognized