

## Model: AE4450Z-AA1A

### 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                                     |



### Product Specifications

#### Performance

| Condition       | Test Voltage | Refrigeration Capacity |               |          | Input Power<br>(I) W | (E) Efficiency |                |      | EVAP<br>TEMP | Condition    | AMBIENT<br>TEMP | RETURN<br>GAS | LIQUID<br>TEMP |
|-----------------|--------------|------------------------|---------------|----------|----------------------|----------------|----------------|------|--------------|--------------|-----------------|---------------|----------------|
|                 |              | (R)<br>Btu/h           | (R)<br>kcal/h | (R)<br>W |                      | (E)<br>Btu/Wh  | (E)<br>kcal/Wh | W/W  |              |              |                 |               |                |
| ASHRAE (R-407A) | 115V ~ 60HZ  | 5441                   | 1372          | 1595     | 717                  | 7.59           | 1.91           | 2.22 | 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  | 5659                   | 1427          | 1658     | 713                  | 7.93           | 2              | 2.33 | 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  | 5659                   | 1427          | 1658     | 713                  | 7.93           | 2              | 2.33 | 7.2°C (45°F) | 54°C (130°F) | 35°C (95°F)     | 35°C (95°F)   | 46°C (115°F)   |
| ASHRAE (R-452A) | 115V ~ 60HZ  | 5483                   | 1383          | 1607     | 745                  | 7.36           | 1.86           | 2.16 | 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  | 5800                   | 1462          | 1700     | 778                  | 7.46           | 1.88           | 2.19 | 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):      | 8.85        |
| 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):               | 38      |
| Rated Load Amps (RLA 50 Hz):           | 0       |
| Rated Load Amps (RLA 60 Hz):           | 8.15    |
| Max. Continuous Current (MCC in Amps): | 14.39   |
| Motor Resistance (Ohm) - Main:         | 1.17    |
| Motor Resistance (Ohm) - Start:        | 3.61    |
| Motor Type:                            | CSIR    |

Overload Type:  
Relay Type:

Agency Approval

CE Listed, cURus Recognized