

**Model: AHC5531CTZ**
**Product Description**

**Type:** Reciprocating Compressors  
**Application:** HBP/AC - Air Conditioning  
**Refrigerant:** R-407C  
**Voltage/Frequency:** 440V 3~ 60Hz 400V 3~ 50Hz  
**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  |              |              |                 |               |                |
| EN12900   | 440V 3~ 60HZ | 24188                  | 6095          | 7087     | 4104                 | 5.89           | 1.49           | 1.73 | 5°C (41°F)   | 50°C (122°F) | 32°C (90°F)     | 15°C (59°F)   | 50°C (122°F)   |
| EN12900   | 400V 3~ 50HZ | 21399                  | 5393          | 6270     | 3231                 | 6.62           | 1.67           | 1.94 | 5°C (41°F)   | 50°C (122°F) | 32°C (90°F)     | 15°C (59°F)   | 50°C (122°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:** 32  
**Weight Unit of Measure:** KG  
**Displacement (cc):** 56.65  
**Oil Type:** Polyolester  
**Viscosity (cSt):** 32  
**Oil Charge (cc):** 1625

**Electrical**

**Voltage Range (50 Hz):** 340-440  
**Voltage Range (60 Hz):** 396-499  
**Locked Rotor Amps (LRA):** 30.5  
**Rated Load Amps (RLA 50 Hz):** 4.8  
**Rated Load Amps (RLA 60 Hz):** 4.7  
**Max. Continuous Current (MCC in Amps):** 8.5

|                                        |     |
|----------------------------------------|-----|
| <b>Motor Resistance (Ohm) - Main:</b>  | 6.1 |
| <b>Motor Resistance (Ohm) - Start:</b> | 6.1 |
| <b>MotorType:</b>                      | 3PH |
| <b>Overload Type:</b>                  |     |
| <b>Relay Type:</b>                     |     |

## Agency Approval

CE Listed, GOST RUSSIA Listed, GOST UKRAINE Listed, IRAM Listed