

Compressor

LBP

R-134a

Voltage Code : FZ

| Refrigerant | Frequency | Nominal Cooling Capacity (*) |       | Sound Power<br>ISO3745 / ISO 3743-1 |
|-------------|-----------|------------------------------|-------|-------------------------------------|
|             |           | Watts                        | BTU/h |                                     |
| R-134a      | 50HZ      | 220                          | 749   |                                     |

(\*) Operating conditions EN12900 : Dew / T°Cond. 40°C / T°Evap -35°C / T°Return gas temp. 20°C / T°Subcooling 0K



\*Non-contractual picture

## Dimensions

|                  |                  |
|------------------|------------------|
| Weight           | 11.4 kg (25 lb)  |
| Length           | 198 mm (7.8 in)  |
| Width            | 161 mm (6.3 in)  |
| Height           | 207 mm (8.2 in)  |
| Ø Suction Tube   | 1/4 in (6.35mm)  |
| Ø Discharge Tube | 3/16 in (4.76mm) |

## Certificates



## General

|                         |                                |
|-------------------------|--------------------------------|
| Compressor Type         | Reciprocating                  |
| Displacement (cc)       | 12.5                           |
| Horse Power             | 1/2                            |
| Compressor Cooling      | Fan                            |
| Evaporating Temp. Range | -40°C to -10°C (-40°F to 14°F) |
| Expansion Device        | Capil. Tube/Expans. Valve      |
| Oil Type                | P.O.E 32                       |
| Oil Charge (cc)         | 366                            |

## Electrical

|                          |                   |
|--------------------------|-------------------|
| Motor Type               | CSIR              |
| Main Winding (Ohm)       | 5.56              |
| Start Winding (Ohm)      | 17.79             |
| Current RLA 50Hz (A)     | 1.73              |
| Current LRA (A)          | 15                |
| Start Capacitor          | 88-108 µF / 330 V |
| Overload                 | MRA58169-5587     |
| - Time Check             | 6.5-15.0s / 9.0 A |
| - Open Temp / Close Temp | 120 °C / 61 °C    |
| Current Relay            | 9660C-3018-135    |
| - Pick Up / Drop Out     | 5.9 A / 5 A       |

Note : Tecumseh reserves the right to change information contained in this document without notification.



**tecumseh**

**AE2415Y-FZ1B**

220 - 240V 1~ 50 Hz

Performances are given at rating conditions EN12900  
Conditions DEW

Return gas temp. : 20 °C  
Subcooling : 0 K

## 50HZ R-134a

| Condensing | Evaporating (°C)        | -40  | -35  | -30  | -25  | -20  | -15  | -10  |
|------------|-------------------------|------|------|------|------|------|------|------|
| <b>30</b>  | Refrig. Capacity (Watt) | 179  | 243  | 319  | 409  | 520  | 655  | 817  |
|            | Power Input (W)         | 153  | 178  | 205  | 235  | 267  | 305  | 347  |
|            | Amps (A)                | 1.37 | 1.44 | 1.52 | 1.62 | 1.73 | 1.86 | 2.02 |
| <b>40</b>  | Refrig. Capacity (Watt) | 154  | 220  | 291  | 372  | 470  | 588  | 729  |
|            | Power Input (W)         | 154  | 182  | 212  | 244  | 278  | 317  | 361  |
|            | Amps (A)                | 1.37 | 1.45 | 1.54 | 1.64 | 1.77 | 1.92 | 2.09 |
| <b>50</b>  | Refrig. Capacity (Watt) |      | 178  | 247  | 322  | 409  | 511  | 633  |
|            | Power Input (W)         |      | 180  | 214  | 251  | 290  | 333  | 380  |
|            | Amps (A)                |      | 1.44 | 1.54 | 1.66 | 1.81 | 1.98 | 2.17 |
| <b>60</b>  | Refrig. Capacity (Watt) |      |      | 200  | 271  | 348  | 436  | 540  |
|            | Power Input (W)         |      |      | 210  | 253  | 298  | 347  | 400  |
|            | Amps (A)                |      |      | 1.53 | 1.67 | 1.84 | 2.04 | 2.26 |

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