

Condensing unit

4B10930202

HBP

R-134a / R-513A

Voltage Code : FZ

| Refrigerant | Frequency | Nominal Cooling Capacity (*) |       |
|-------------|-----------|------------------------------|-------|
|             |           | Watts                        | BTU/h |
| R-134a      | 50HZ      | 467                          | 1594  |
| R-513A      | 50HZ      | 495                          | 1687  |

(\*) Operating conditions ARI\_90F : Dew / T°Ambient 90°F / T°Evap 20°F / T°Return gas temp. 65°F / T°Subcooling 5°F

**General**

|                             |                          |
|-----------------------------|--------------------------|
| Condensing Unit Type        | INDOOR                   |
| Family Condensing Unit      | Standard Air Cooled Unit |
| Design Ambient Temp °C (°F) | 32 (90)                  |

**Mechanical**

|         |   |
|---------|---|
| Fan Qty | 1 |
|---------|---|

**Electrical**

|                      |     |
|----------------------|-----|
| Current RLA 50Hz (A) | 2.4 |
|----------------------|-----|

**Dimensions**

|                  |                  |
|------------------|------------------|
| Weight           | 18 kg (40 lb)    |
| Length           | 404 mm (15.9 in) |
| Width            | 322 mm (12.7 in) |
| Height           | 257 mm (10.1 in) |
| Ø Suction Tube   | 3/8 in (9.52mm)  |
| Ø Discharge Tube | 1/4 in (6.35mm)  |

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



**tecumseh**

**AE4430YHR-FZ**

220 - 240V 1~ 50 Hz

Performances are given at rating conditions ARI\_90F  
Conditions DEW

Return gas temp. : 65 °F  
Subcooling : 5 °F

## 50HZ R-134a

| Ambient    | Evaporating      | (°F)    | 5    | 15   | 25   | 35   | 45   | 55   |
|------------|------------------|---------|------|------|------|------|------|------|
| <b>75</b>  | Refrig. Capacity | (Btu/h) | 1220 | 1574 | 1981 | 2436 | 2931 | 3457 |
|            | Power Input      | (W)     | 232  | 253  | 276  | 301  | 329  | 362  |
|            | Amps             | (A)     | 1.96 | 2    | 2.06 | 2.13 | 2.21 | 2.32 |
|            | Condensing       | (°F)    | 91.4 | 95.5 | 100  | 106  | 112  | 118  |
| <b>90</b>  | Refrig. Capacity | (Btu/h) | 1094 | 1416 | 1782 | 2189 | 2629 | 3094 |
|            | Power Input      | (W)     | 241  | 265  | 292  | 321  | 355  | 392  |
|            | Amps             | (A)     | 1.98 | 2.03 | 2.1  | 2.19 | 2.29 | 2.4  |
|            | Condensing       | (°F)    | 105  | 109  | 114  | 119  | 124  | 131  |
| <b>110</b> | Refrig. Capacity | (Btu/h) | 927  | 1202 | 1512 | 1854 | 2221 | 2605 |
|            | Power Input      | (W)     | 251  | 280  | 311  | 346  | 386  | 430  |
|            | Amps             | (A)     | 1.99 | 2.07 | 2.16 | 2.26 | 2.38 | 2.51 |
|            | Condensing       | (°F)    | 124  | 127  | 131  | 136  | 141  | 148  |

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## 50HZ R-513A

| Ambient    | Evaporating      | (°F)    | 5    | 15   | 25   | 35   | 45   | 55   |
|------------|------------------|---------|------|------|------|------|------|------|
| <b>75</b>  | Refrig. Capacity | (Btu/h) | 1348 | 1702 | 2098 | 2531 | 2994 | 3476 |
|            | Power Input      | (W)     | 248  | 268  | 290  | 316  | 346  | 382  |
|            | Amps             | (A)     | 2.1  | 2.13 | 2.17 | 2.23 | 2.32 | 2.44 |
|            | Condensing       | (°F)    | 91.4 | 95.5 | 100  | 106  | 112  | 118  |
| <b>90</b>  | Refrig. Capacity | (Btu/h) | 1194 | 1514 | 1870 | 2256 | 2665 | 3086 |
|            | Power Input      | (W)     | 257  | 280  | 306  | 336  | 370  | 411  |
|            | Amps             | (A)     | 2.11 | 2.15 | 2.21 | 2.28 | 2.39 | 2.52 |
|            | Condensing       | (°F)    | 105  | 109  | 114  | 119  | 124  | 131  |
| <b>110</b> | Refrig. Capacity | (Btu/h) | 989  | 1258 | 1555 | 1875 | 2209 | 2548 |
|            | Power Input      | (W)     | 266  | 294  | 325  | 361  | 401  | 449  |
|            | Amps             | (A)     | 2.11 | 2.18 | 2.26 | 2.36 | 2.48 | 2.62 |
|            | Condensing       | (°F)    | 124  | 127  | 131  | 136  | 141  | 148  |