



**tecumseh**

**AET2425ZBR-FZ**

220 - 240V 1~ 50 Hz

Condensing unit

HB44030218

LBP

R-452A / R-404A

Voltage Code : FZ

| Refrigerant | Frequency | Nominal Cooling Capacity (*) |       |
|-------------|-----------|------------------------------|-------|
|             |           | Watts                        | BTU/h |
| R-452A      | 50HZ      | 545                          | 1858  |
| R-404A      | 50HZ      | 583                          | 1987  |
| R-448A      | 50HZ      | 481                          | 1640  |
| R-449A      | 50HZ      | 481                          | 1640  |

(\*) Operating conditions ARI\_90F : Dew / T°Ambient 90°F / T°Evap -10°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) | 2.6 |
|----------------------|-----|

#### Dimensions

|        |                  |
|--------|------------------|
| Weight | 21.5 kg (47 lb)  |
| Length | 501 mm (19.7 in) |
| Width  | 346 mm (13.6 in) |
| Height | 298 mm (11.7 in) |

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



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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-452A

| Ambient    | Evaporating      | (°F)    | -40  | -30  | -20  | -10  | 0    | 10   |
|------------|------------------|---------|------|------|------|------|------|------|
| <b>90</b>  | Refrig. Capacity | (Btu/h) | 755  | 1074 | 1442 | 1858 | 2317 | 2813 |
|            | Power Input      | (W)     | 319  | 366  | 420  | 478  | 538  | 600  |
|            | Amps             | (A)     | 1.85 | 2.06 | 2.29 | 2.53 | 2.79 | 3.04 |
|            | Condensing       | (°F)    | 102  | 105  | 109  | 113  | 118  | 122  |
| <b>100</b> | Refrig. Capacity | (Btu/h) | 656  | 960  | 1306 | 1694 | 2121 | 2583 |
|            | Power Input      | (W)     | 326  | 372  | 426  | 485  | 547  | 611  |
|            | Amps             | (A)     | 1.85 | 2.07 | 2.31 | 2.57 | 2.83 | 3.09 |
|            | Condensing       | (°F)    | 111  | 114  | 117  | 121  | 125  | 129  |
| <b>115</b> | Refrig. Capacity | (Btu/h) | 506  | 786  | 1098 | 1445 | 1825 | 2237 |
|            | Power Input      | (W)     | 339  | 382  | 435  | 495  | 560  | 626  |
|            | Amps             | (A)     | 1.86 | 2.1  | 2.35 | 2.62 | 2.89 | 3.16 |
|            | Condensing       | (°F)    | 125  | 127  | 129  | 132  | 136  | 140  |

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## 50HZ R-404A

| Ambient    | Evaporating      | (°F)    | -40  | -30  | -20  | -10  | 0    | 10   |
|------------|------------------|---------|------|------|------|------|------|------|
| <b>90</b>  | Refrig. Capacity | (Btu/h) | 860  | 1192 | 1569 | 1987 | 2439 | 2917 |
|            | Power Input      | (W)     | 340  | 388  | 443  | 507  | 577  | 656  |
|            | Amps             | (A)     | 1.97 | 2.18 | 2.41 | 2.68 | 2.98 | 3.32 |
|            | Condensing       | (°F)    | 100  | 104  | 108  | 112  | 117  | 122  |
| <b>100</b> | Refrig. Capacity | (Btu/h) | 751  | 1066 | 1418 | 1805 | 2222 | 2662 |
|            | Power Input      | (W)     | 345  | 393  | 451  | 517  | 590  | 673  |
|            | Amps             | (A)     | 1.96 | 2.19 | 2.44 | 2.73 | 3.04 | 3.39 |
|            | Condensing       | (°F)    | 110  | 113  | 116  | 120  | 124  | 129  |
| <b>115</b> | Refrig. Capacity | (Btu/h) | 587  | 875  | 1190 | 1531 | 1896 | 2279 |
|            | Power Input      | (W)     | 354  | 403  | 462  | 531  | 610  | 698  |
|            | Amps             | (A)     | 1.95 | 2.21 | 2.49 | 2.8  | 3.14 | 3.51 |
|            | Condensing       | (°F)    | 123  | 126  | 129  | 132  | 136  | 140  |



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**AET2425ZBR-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-448A\*

| Ambient    | Evaporating (°F)         | -40  | -30  | -20  | -10  | 0    | 10   |
|------------|--------------------------|------|------|------|------|------|------|
| <b>90</b>  | Refrig. Capacity (Btu/h) | 551  | 856  | 1219 | 1640 | 2121 | 2662 |
|            | Power Input (W)          | 302  | 348  | 402  | 462  | 530  | 605  |
|            | Amps (A)                 | 1.74 | 1.95 | 2.19 | 2.46 | 2.75 | 3.07 |
|            | Condensing (°F)          | 108  | 110  | 114  | 117  | 121  | 126  |
| <b>100</b> | Refrig. Capacity (Btu/h) | 472  | 764  | 1107 | 1506 | 1962 | 2478 |
|            | Power Input (W)          | 305  | 353  | 409  | 472  | 542  | 621  |
|            | Amps (A)                 | 1.72 | 1.96 | 2.22 | 2.5  | 2.81 | 3.14 |
|            | Condensing (°F)          | 117  | 119  | 122  | 125  | 129  | 133  |
| <b>115</b> | Refrig. Capacity (Btu/h) |      | 633  | 950  | 1316 | 1737 | 2216 |
|            | Power Input (W)          |      | 360  | 418  | 485  | 561  | 644  |
|            | Amps (A)                 |      | 1.97 | 2.25 | 2.56 | 2.89 | 3.24 |
|            | Condensing (°F)          |      | 132  | 134  | 137  | 140  | 143  |

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### 50HZ R-449A\*

| Ambient    | Evaporating (°F)         | -40  | -30  | -20  | -10  | 0    | 10   |
|------------|--------------------------|------|------|------|------|------|------|
| <b>90</b>  | Refrig. Capacity (Btu/h) | 551  | 857  | 1219 | 1640 | 2121 | 2663 |
|            | Power Input (W)          | 302  | 348  | 402  | 462  | 530  | 605  |
|            | Amps (A)                 | 1.74 | 1.95 | 2.19 | 2.46 | 2.75 | 3.07 |
|            | Condensing (°F)          | 108  | 110  | 114  | 117  | 121  | 126  |
| <b>100</b> | Refrig. Capacity (Btu/h) | 472  | 764  | 1107 | 1506 | 1963 | 2479 |
|            | Power Input (W)          | 305  | 353  | 409  | 472  | 542  | 621  |
|            | Amps (A)                 | 1.72 | 1.96 | 2.22 | 2.5  | 2.81 | 3.14 |
|            | Condensing (°F)          | 117  | 119  | 122  | 125  | 129  | 133  |
| <b>115</b> | Refrig. Capacity (Btu/h) |      | 634  | 950  | 1317 | 1738 | 2218 |
|            | Power Input (W)          |      | 360  | 418  | 485  | 561  | 644  |
|            | Amps (A)                 |      | 1.97 | 2.25 | 2.56 | 2.89 | 3.24 |
|            | Condensing (°F)          |      | 132  | 134  | 137  | 140  | 143  |

\* Due to very high discharge temperature especially on LBP conditions, please strictly refer to Tecumseh Guidelines & Marketing Bulletin when using this refrigerant.