



tecumseh

WINFH2480Z-XC

220 - 240V 1~ 50 Hz

Condensing unit

HWN2480Z-XC0F6HA

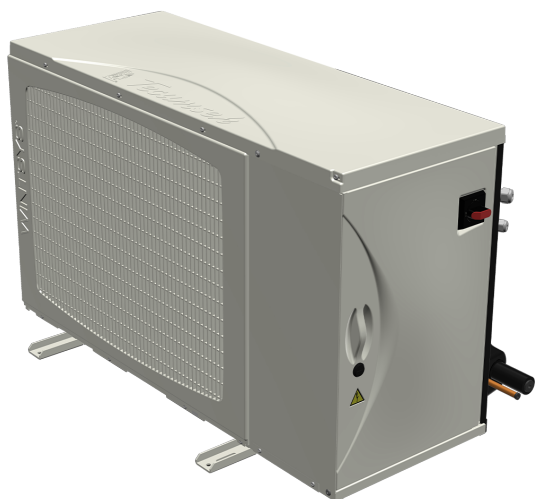
LBP

R-452A / R-404A

Voltage Code : XC

| Refrigerant | Frequency | Nominal Cooling Capacity (*) |       |
|-------------|-----------|------------------------------|-------|
|             |           | Watts                        | BTU/h |
| R-452A      | 50HZ      | 2419                         | 8247  |
| R-404A      | 50HZ      | 2741                         | 9346  |
| R-448A      | 50HZ      | 2301                         | 7846  |
| R-449A      | 50HZ      | 2296                         | 7829  |

(\*) Operating conditions ARI\_90F : Dew / T°Ambient 90°F / T°Evap -10°F / T°Return gas temp. 65°F / T°Subcooling 5°F



\*Non-contractual picture

#### Dimensions

|                  |                   |
|------------------|-------------------|
| Weight           | 75.9 kg (167 lb)  |
| Length           | 1155 mm (45.5 in) |
| Width            | 655 mm (25.8 in)  |
| Height           | 710 mm (28 in)    |
| Ø Suction Tube   | 5/8 in (15.9mm)   |
| Ø Discharge Tube | 3/8 in (9.52mm)   |

#### Certificates



#### General

|                             |                                   |
|-----------------------------|-----------------------------------|
| Condensing Unit Type        | OUTDOOR                           |
| Family Condensing Unit      | Wintsys                           |
| Design Ambient Temp °C (°F) | +43°C / +110°F                    |
| Evaporating Temp. Range     | -40°C to -25.6°C (-40°F to -14°F) |

#### Mechanical

|                      |                   |
|----------------------|-------------------|
| Fan Diameter         | 360 mm            |
| Fan Qty              | 1                 |
| Fan Technology       | AC/PSC Technology |
| Condenser Technology | Fin and Tube      |
| Condensing Unit IP   | IPX4              |

#### Electrical

|                      |      |
|----------------------|------|
| Current RLA 50Hz (A) | 7.52 |
|----------------------|------|

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



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**WINFH2480Z-XC**

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) | 2668 | 4236 | 6093 | 8247 | 10711 | 13516 |
|            | Power Input      | (W)     | 907  | 1166 | 1444 | 1747 | 2077  | 2437  |
|            | Amps             | (A)     | 6.43 | 6.94 | 7.53 | 8.24 | 9.06  | 10    |
|            | Condensing       | (°F)    | 100  | 103  | 107  | 112  | 117   | 122   |
| <b>100</b> | Refrig. Capacity | (Btu/h) | 2145 | 3615 | 5346 | 7346 | 9633  | 12245 |
|            | Power Input      | (W)     | 860  | 1133 | 1428 | 1748 | 2099  | 2481  |
|            | Amps             | (A)     | 6.27 | 6.83 | 7.48 | 8.24 | 9.11  | 10.1  |
|            | Condensing       | (°F)    | 108  | 111  | 115  | 120  | 124   | 129   |
| <b>115</b> | Refrig. Capacity | (Btu/h) | 1380 | 2699 | 4235 | 6002 | 8026  | 10353 |
|            | Power Input      | (W)     | 768  | 1061 | 1380 | 1729 | 2110  | 2526  |
|            | Amps             | (A)     | 5.93 | 6.59 | 7.33 | 8.16 | 9.11  | 10.2  |
|            | Condensing       | (°F)    | 120  | 123  | 127  | 131  | 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) | 3439 | 5113 | 7082 | 9346 | 11914 | 14816 |
|            | Power Input      | (W)     | 1023 | 1286 | 1567 | 1869 | 2195  | 2546  |
|            | Amps             | (A)     | 7.18 | 7.62 | 8.16 | 8.82 | 9.61  | 10.5  |
|            | Condensing       | (°F)    | 95.4 | 98.6 | 103  | 107  | 112   | 117   |
| <b>100</b> | Refrig. Capacity | (Btu/h) | 2875 | 4443 | 6272 | 8364 | 10734 | 13420 |
|            | Power Input      | (W)     | 988  | 1266 | 1565 | 1887 | 2235  | 2610  |
|            | Amps             | (A)     | 7.1  | 7.59 | 8.18 | 8.89 | 9.72  | 10.7  |
|            | Condensing       | (°F)    | 104  | 107  | 111  | 115  | 120   | 125   |
| <b>115</b> | Refrig. Capacity | (Btu/h) | 2045 | 3447 | 5059 | 6891 | 8964  | 11330 |
|            | Power Input      | (W)     | 913  | 1215 | 1540 | 1892 | 2274  | 2686  |
|            | Amps             | (A)     | 6.89 | 7.47 | 8.14 | 8.93 | 9.83  | 10.8  |
|            | Condensing       | (°F)    | 116  | 119  | 123  | 127  | 132   | 136   |



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**WINFH2480Z-XC**

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) | 2238 | 3755 | 5615 | 7846 | 10470 | 13506 |
|            | Power Input (W)          | 833  | 1081 | 1348 | 1636 | 1949  | 2290  |
|            | Amps (A)                 | 5.89 | 6.42 | 7.02 | 7.72 | 8.52  | 9.44  |
|            | Condensing (°F)          | 100  | 103  | 106  | 110  | 114   | 119   |
| <b>100</b> | Refrig. Capacity (Btu/h) | 1763 | 3197 | 4948 | 7045 | 9513  | 12373 |
|            | Power Input (W)          | 785  | 1048 | 1331 | 1639 | 1974  | 2338  |
|            | Amps (A)                 | 5.71 | 6.3  | 6.97 | 7.72 | 8.58  | 9.55  |
|            | Condensing (°F)          | 108  | 111  | 114  | 118  | 122   | 126   |
| <b>115</b> | Refrig. Capacity (Btu/h) |      | 2365 | 3949 | 5844 | 8076  | 10671 |
|            | Power Input (W)          |      | 976  | 1285 | 1622 | 1990  | 2391  |
|            | Amps (A)                 |      | 6.04 | 6.8  | 7.65 | 8.59  | 9.64  |
|            | Condensing (°F)          |      | 123  | 126  | 129  | 133   | 138   |

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### 50HZ R-449A\*

| Ambient    | Evaporating (°F)         | -40  | -30  | -20  | -10  | 0     | 10    |
|------------|--------------------------|------|------|------|------|-------|-------|
| <b>90</b>  | Refrig. Capacity (Btu/h) | 2236 | 3750 | 5605 | 7829 | 10442 | 13466 |
|            | Power Input (W)          | 832  | 1081 | 1348 | 1636 | 1950  | 2292  |
|            | Amps (A)                 | 5.89 | 6.42 | 7.02 | 7.72 | 8.52  | 9.44  |
|            | Condensing (°F)          | 100  | 103  | 106  | 110  | 114   | 119   |
| <b>100</b> | Refrig. Capacity (Btu/h) | 1761 | 3191 | 4937 | 7027 | 9483  | 12331 |
|            | Power Input (W)          | 785  | 1047 | 1331 | 1639 | 1974  | 2340  |
|            | Amps (A)                 | 5.71 | 6.3  | 6.97 | 7.72 | 8.58  | 9.55  |
|            | Condensing (°F)          | 108  | 111  | 114  | 118  | 122   | 127   |
| <b>115</b> | Refrig. Capacity (Btu/h) |      | 2358 | 3936 | 5823 | 8043  | 10626 |
|            | Power Input (W)          |      | 975  | 1284 | 1622 | 1990  | 2392  |
|            | Amps (A)                 |      | 6.04 | 6.8  | 7.65 | 8.59  | 9.65  |
|            | Condensing (°F)          |      | 123  | 126  | 130  | 134   | 138   |

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