



# Tecumseh

Condensing unit  
Voltage Code : TZ

## SILAJ9513Z-TZ

High Temp. Commercial (MHP)

400V 3~ 50Hz / 440V 3~ 60 Hz

R449A

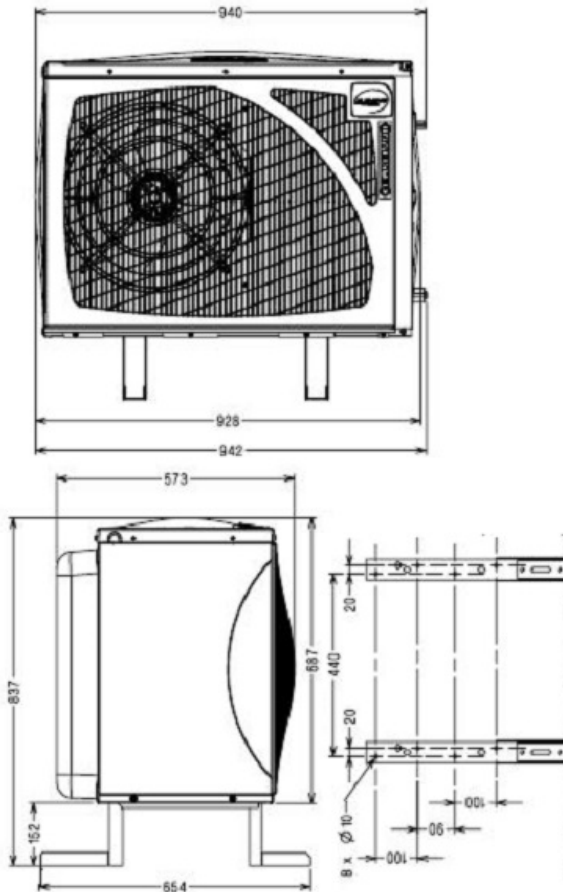
SILAJ9513Z-TZ

Operating conditions : **Customized... / 50 Hz / Dew**

**Sound Power**  
ISO3745 / ISO 3743-1

|   |   |
|---|---|
| <b>Evaporating Temp. :</b> -10.0 °C<br><b>Superheat :</b> 8.00 K<br><b>Return gas temp. :</b> 0.00 °C<br><b>Ambient :</b> 32.0 °C<br><b>Subcooling :</b> 1.00 K | <b>Refrig. Capacity :</b> 1652 Watt<br><br><b>Power Input :</b> 902 Watt<br><b>Amps :</b> 1.96 A<br><b>C.O.P. :</b> 1.83 Watt/W |
|---|---|

57 dBA



|                         |                 |
|-------------------------|-----------------|
| <b>Net Weight (Kg)</b>  | 74.0            |
| <b>Expansion device</b> | Expansion_Valve |
| <b>Air Flow (m³/h)</b>  | 1650 / 1650     |
| <b>Compo Data Sheet</b> | 224JU-TZ        |
| <b>Elec Comp Type</b>   | TRI             |
| <b>Current (Amp)</b>    |                 |
| Load Rated Amp          | 3.1   3.1       |
| Max Cont Current        | 4.7   4.8       |
| Lock Rotor Amp          | 17   17         |
| <b>Fan</b>              |                 |
| Speed (rpm)             | 830 / 546       |
| Power (W)               | 65.0            |
| Diameter (mm)           | 360             |
| Protection              | Overload        |
| IP Level                | IP44            |
| <b>Condenser</b>        | 360/14100       |
| <b>Liquid Receiver</b>  |                 |
| Capacity (L)            | 1.5             |
| Maximum Pressure (Bars) | 32.0            |
| <b>Suction Line</b>     |                 |
| Suction Type            | Tube / Tube     |
| For Tubing Out Diam     | 15.9 (5/8")     |
| Suction Connection Type | Brased          |
| <b>Liquid Line</b>      |                 |
| Liquid Line Type        | Tube            |
| For Tubing Out Diam     | 9.5 (3/8")      |
| Liquid Connecton Type   | Brased          |
| <b>Connection Type</b>  | TT              |
| <b>Fan Guard</b>        | maille < à 8mm  |

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



**Tecumseh**

|                      |  |
|----------------------|--|
| <b>SILAJ9513Z-TZ</b> | <b>Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz</b> |
|----------------------|--|

|  |                        |         |
|--|------------------------|---------|
| Les performances sont données dans les <b>conditions EN13215</b> : | Gaz aspirés :          | 20.0 °C |
| Condition Dew  | Sous refroidissement : | 3.0 K   |
| The performance data are in <b>EN13215 conditions</b> :            | Return gas :           | 20.0 °C |
| Dew Condition  | Subcooling :           | 3.0 K   |

| <b>50 Hz R449A (*)</b> |                    |        |      |      |      |      |      |      |      |      |               |
|------------------------|--------------------|--------|------|------|------|------|------|------|------|------|---------------|
|                        |                    |        |      |      |      |      |      |      |      |      | <b>N°6281</b> |
| 5   T ambience         | 6   T évaporation  | (°C)   | -25  | -20  | -15  | -10  | -5   | 0    | 5    | 10   | 15            |
| <b>25</b>              | 1   P frigorifique | (Watt) |      | 1294 | 1655 | 2069 | 2539 | 3063 | 3644 | 4280 | 4969          |
|                        | 2   P absorbée     | (W)    |      | 688  | 768  | 854  | 944  | 1040 | 1141 | 1248 | 1361          |
|                        | 3   I absorbée     | (A)    |      | 1.69 | 1.79 | 1.90 | 2.01 | 2.14 | 2.28 | 2.43 | 2.60          |
|                        | 4   Tc             | (°C)   |      | 25.5 | 27.3 | 29.2 | 31.2 | 33.2 | 35.4 | 37.7 | 40.1          |
| <b>32</b>              | 1   P frigorifique | (Watt) | 824  | 1113 | 1445 | 1823 | 2249 | 2723 | 3247 | 3821 | 4444          |
|                        | 2   P absorbée     | (W)    | 637  | 718  | 806  | 902  | 1004 | 1113 | 1229 | 1352 | 1482          |
|                        | 3   I absorbée     | (A)    | 1.60 | 1.71 | 1.83 | 1.96 | 2.10 | 2.25 | 2.41 | 2.58 | 2.77          |
|                        | 4   Tc             | (°C)   | 31.0 | 32.6 | 34.3 | 36.0 | 37.9 | 39.9 | 41.9 | 44.1 | 46.4          |
| <b>43</b>              | 1   P frigorifique | (Watt) |      |      | 1118 | 1443 | 1803 | 2201 | 2639 | 3119 | 3641          |
|                        | 2   P absorbée     | (W)    |      |      | 856  | 968  | 1089 | 1220 | 1359 | 1508 | 1665          |
|                        | 3   I absorbée     | (A)    |      |      | 1.88 | 2.05 | 2.22 | 2.41 | 2.60 | 2.81 | 3.03          |
|                        | 4   Tc             | (°C)   |      |      | 45.3 | 46.9 | 48.6 | 50.4 | 52.3 | 54.3 | 56.4          |

| <b>60 Hz R449A (*)</b> |                    |        |     |      |      |      |      |      |      |      |               |
|------------------------|--------------------|--------|-----|------|------|------|------|------|------|------|---------------|
|                        |                    |        |     |      |      |      |      |      |      |      | <b>N°6281</b> |
| 5   T ambience         | 6   T évaporation  | (°C)   | -25 | -20  | -15  | -10  | -5   | 0    | 5    | 10   | 15            |
| <b>25</b>              | 1   P frigorifique | (Watt) |     | 1530 | 1946 | 2417 | 2945 | 3530 | 4172 | 4868 | 5618          |
|                        | 2   P absorbée     | (W)    |     | 875  | 981  | 1094 | 1215 | 1344 | 1482 | 1629 | 1788          |
|                        | 3   I absorbée     | (A)    |     | 1.71 | 1.83 | 1.97 | 2.12 | 2.29 | 2.47 | 2.66 | 2.88          |
|                        | 4   Tc             | (°C)   |     | 26.0 | 27.9 | 29.8 | 31.9 | 34.0 | 36.3 | 38.7 | 41.3          |
| <b>32</b>              | 1   P frigorifique | (Watt) |     | 1325 | 1714 | 2151 | 2636 | 3172 | 3759 | 4396 | 5083          |
|                        | 2   P absorbée     | (W)    |     | 906  | 1025 | 1151 | 1284 | 1426 | 1577 | 1738 | 1910          |
|                        | 3   I absorbée     | (A)    |     | 1.75 | 1.89 | 2.05 | 2.22 | 2.40 | 2.60 | 2.81 | 3.05          |
|                        | 4   Tc             | (°C)   |     | 32.9 | 34.6 | 36.4 | 38.3 | 40.3 | 42.4 | 44.7 | 47.1          |
| <b>43</b>              | 1   P frigorifique | (Watt) |     |      | 1346 | 1729 | 2150 | 2610 | 3113 | 3659 | 4250          |
|                        | 2   P absorbée     | (W)    |     |      | 1068 | 1221 | 1381 | 1548 | 1724 | 1909 | 2106          |
|                        | 3   I absorbée     | (A)    |     |      | 1.94 | 2.13 | 2.34 | 2.55 | 2.78 | 3.03 | 3.29          |
|                        | 4   Tc             | (°C)   |     |      | 45.3 | 46.8 | 48.4 | 50.2 | 52.1 | 54.1 | 56.2          |

**1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = ambient temperature 6 = evaporating temperature**

(\*) Veuillez vous référer strictement aux Recommandations d'Utilisation et Bulletins Marketing Tecumseh du fait de la température de refoulement élevée pour les applications LBP.  
 (\*) Due to very high discharge temperature especially on LBP conditions, please strictly refer to Tecumseh Guidelines & Marketing Bulletin when using this refrigerant.

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