



Condensing unit  
Voltage Code : FZ

# SILAJ2440Z-FZ

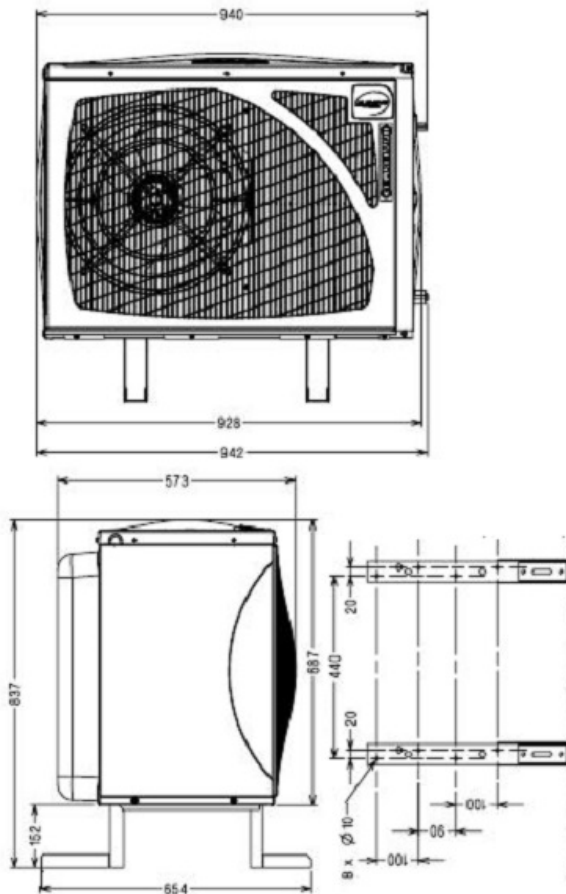
Low Temp. Commercial (BP)

220 - 240V 1~ 50 Hz

R452A / R404A / R448A / R449A

SILAJ2440Z-FZ

| Conditions      | Frequency | Nominal Cooling Capacity |       | Sound Power<br>ISO3745 / ISO 3743-1 |
|-----------------|-----------|--------------------------|-------|-------------------------------------|
|                 |           | Watts                    | BTU/h |                                     |
| EN13215 / R452A | 50 Hz     | 484                      | 1652  | 57 dBA                              |
| EN13215 / R404A | 50 Hz     | 555                      | 1894  | 57 dBA                              |
| EN13215 / R448A | 50 Hz     | 392                      | 1338  | 57 dBA                              |
| EN13215 / R449A | 50 Hz     | 393                      | 1339  | 57 dBA                              |



\* EN13215 : T°Ambient 32.0°C / T°Evap. -35.0°C / T°Return gas temp.. 20.0°C  
T°Subcooling. 3.0K

|                         |                 |
|-------------------------|-----------------|
| <b>Net Weight (Kg)</b>  | 70.0            |
| <b>Expansion device</b> | Expansion_Valve |
| <b>Air Flow (m³/h)</b>  | 1650            |
| <b>Compo Data Sheet</b> | 124HT-FZ        |
| <b>Elec Comp Type</b>   | CSR             |
| <b>Current (Amp)</b>    |                 |
| Load Rated Amp          | 3.3             |
| Max Cont Current        | 6               |
| Lock Rotor Amp          | 27              |
| <b>Fan</b>              |                 |
| Speed (rpm)             | 830 / 900       |
| Power (W)               | 65.0            |
| Diameter (mm)           | 360             |
| Protection              | Overload        |
| IP Level                | IP44            |
| <b>Condenser</b>        | 360/11500       |
| <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     | 12.7 (1/2")     |
| Suction Connection Type | Brased          |
| <b>Liquid Line</b>      |                 |
| Liquid Line Type        | Tube            |
| For Tubing Out Diam     | 6.35 (1/4")     |
| Liquid Connecton Type   | Brased          |
| <b>Connection Type</b>  | TT              |
| <b>Fan Guard</b>        | maille < à 8mm  |

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|                      |   |
|----------------------|---|
| <b>SILAJ2440Z-FZ</b> | <b>Tension FZ : 220 - 240V 1~ 50 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 R452A</b> |                    |        |            |            |            |            |            |            |            |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| <b>N°6698</b>      |                    |        |            |            |            |            |            |            |            |
| 5   T ambience     | 6   T évaporation  | (°C)   | <b>-40</b> | <b>-35</b> | <b>-30</b> | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> |
| <b>25</b>          | 1   P frigorifique | (Watt) | 401        | 570        | 770        | 1005       | 1276       | 1584       | 1932       |
|                    | 2   P absorbée     | (W)    | 452        | 515        | 580        | 651        | 729        | 818        | 919        |
|                    | 3   I absorbée     | (A)    | 2.05       | 2.31       | 2.60       | 2.92       | 3.28       | 3.69       | 4.13       |
|                    | 4   Tc             | (°C)   | 26.7       | 26.9       | 27.5       | 28.5       | 29.8       | 31.3       | 33.0       |
| <b>32</b>          | 1   P frigorifique | (Watt) | 330        | 484        | 668        | 882        | 1129       | 1410       | 1727       |
|                    | 2   P absorbée     | (W)    | 439        | 511        | 584        | 664        | 751        | 849        | 959        |
|                    | 3   I absorbée     | (A)    | 2.00       | 2.31       | 2.64       | 3.00       | 3.39       | 3.82       | 4.30       |
|                    | 4   Tc             | (°C)   | 33.6       | 33.6       | 34.1       | 35.0       | 36.2       | 37.7       | 39.4       |
| <b>43</b>          | 1   P frigorifique | (Watt) | 227        | 358        | 513        | 695        | 904        | 1142       | 1413       |
|                    | 2   P absorbée     | (W)    | 405        | 491        | 579        | 672        | 774        | 886        | 1011       |
|                    | 3   I absorbée     | (A)    | 1.86       | 2.24       | 2.64       | 3.06       | 3.51       | 3.99       | 4.51       |
|                    | 4   Tc             | (°C)   | 44.4       | 44.3       | 44.6       | 45.3       | 46.4       | 47.8       | 49.4       |

| <b>50 Hz R404A</b> |                    |        |            |            |            |            |            |            |            |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| <b>N°6697</b>      |                    |        |            |            |            |            |            |            |            |
| 5   T ambience     | 6   T évaporation  | (°C)   | <b>-40</b> | <b>-35</b> | <b>-30</b> | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> |
| <b>25</b>          | 1   P frigorifique | (Watt) | 475        | 647        | 853        | 1093       | 1368       | 1680       | 2027       |
|                    | 2   P absorbée     | (W)    | 483        | 548        | 617        | 691        | 772        | 861        | 961        |
|                    | 3   I absorbée     | (A)    | 2.18       | 2.46       | 2.76       | 3.10       | 3.47       | 3.88       | 4.32       |
|                    | 4   Tc             | (°C)   | 27.1       | 28.3       | 29.6       | 31.0       | 32.5       | 34.0       | 35.6       |
| <b>32</b>          | 1   P frigorifique | (Watt) | 399        | 555        | 741        | 958        | 1206       | 1486       | 1799       |
|                    | 2   P absorbée     | (W)    | 477        | 549        | 625        | 707        | 796        | 895        | 1005       |
|                    | 3   I absorbée     | (A)    | 2.16       | 2.47       | 2.81       | 3.18       | 3.59       | 4.03       | 4.50       |
|                    | 4   Tc             | (°C)   | 33.6       | 34.8       | 36.1       | 37.4       | 38.9       | 40.4       | 42.0       |
| <b>43</b>          | 1   P frigorifique | (Watt) | 290        | 421        | 576        | 756        | 962        | 1194       | 1454       |
|                    | 2   P absorbée     | (W)    | 455        | 537        | 625        | 719        | 823        | 937        | 1063       |
|                    | 3   I absorbée     | (A)    | 2.08       | 2.45       | 2.84       | 3.27       | 3.73       | 4.22       | 4.74       |
|                    | 4   Tc             | (°C)   | 43.8       | 45.0       | 46.2       | 47.6       | 49.0       | 50.4       | 52.0       |

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

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|----------------------|---|

|  |                        |         |
|--|------------------------|---------|
| 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   |

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**50 Hz R448A (\*)**

**N°7070**

| 5   T ambience | 6   T évaporation  | (°C)   | <b>-30</b> | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> |
|----------------|--------------------|--------|------------|------------|------------|------------|------------|
| <b>25</b>      | 1   P frigorifique | (Watt) | 646        | 870        | 1133       | 1437       | 1785       |
|                | 2   P absorbée     | (W)    | 551        | 623        | 702        | 789        | 887        |
|                | 3   I absorbée     | (A)    | 2.47       | 2.80       | 3.16       | 3.55       | 3.98       |
|                | 4   Tc             | (°C)   | 28.3       | 29.5       | 30.9       | 32.4       | 34.1       |
| <b>32</b>      | 1   P frigorifique | (Watt) | 561        | 763        | 1004       | 1283       | 1604       |
|                | 2   P absorbée     | (W)    | 556        | 636        | 722        | 817        | 923        |
|                | 3   I absorbée     | (A)    | 2.51       | 2.87       | 3.26       | 3.68       | 4.13       |
|                | 4   Tc             | (°C)   | 34.8       | 36.0       | 37.4       | 38.9       | 40.5       |
| <b>43</b>      | 1   P frigorifique | (Watt) | 438        | 612        | 819        | 1062       | 1343       |
|                | 2   P absorbée     | (W)    | 554        | 646        | 746        | 855        | 976        |
|                | 3   I absorbée     | (A)    | 2.52       | 2.94       | 3.38       | 3.84       | 4.34       |
|                | 4   Tc             | (°C)   | 45.1       | 46.3       | 47.6       | 49.1       | 50.7       |

**50 Hz R449A (\*)**

**N°6848**

| 5   T ambience | 6   T évaporation  | (°C)   | <b>-30</b> | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> |
|----------------|--------------------|--------|------------|------------|------------|------------|------------|
| <b>25</b>      | 1   P frigorifique | (Watt) | 646        | 870        | 1133       | 1438       | 1786       |
|                | 2   P absorbée     | (W)    | 551        | 623        | 702        | 789        | 887        |
|                | 3   I absorbée     | (A)    | 2.47       | 2.80       | 3.16       | 3.55       | 3.98       |
|                | 4   Tc             | (°C)   | 28.4       | 29.6       | 30.9       | 32.4       | 34.1       |
| <b>32</b>      | 1   P frigorifique | (Watt) | 561        | 764        | 1004       | 1284       | 1605       |
|                | 2   P absorbée     | (W)    | 556        | 636        | 722        | 817        | 923        |
|                | 3   I absorbée     | (A)    | 2.51       | 2.87       | 3.26       | 3.68       | 4.13       |
|                | 4   Tc             | (°C)   | 34.9       | 36.1       | 37.4       | 38.9       | 40.5       |
| <b>43</b>      | 1   P frigorifique | (Watt) | 439        | 612        | 819        | 1062       | 1344       |
|                | 2   P absorbée     | (W)    | 554        | 646        | 746        | 855        | 976        |
|                | 3   I absorbée     | (A)    | 2.52       | 2.94       | 3.38       | 3.84       | 4.34       |
|                | 4   Tc             | (°C)   | 45.0       | 46.2       | 47.6       | 49.1       | 50.7       |

**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 reflux 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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