

Condensing unit
Voltage Code : FZ

SILAJ9513Z-FZ

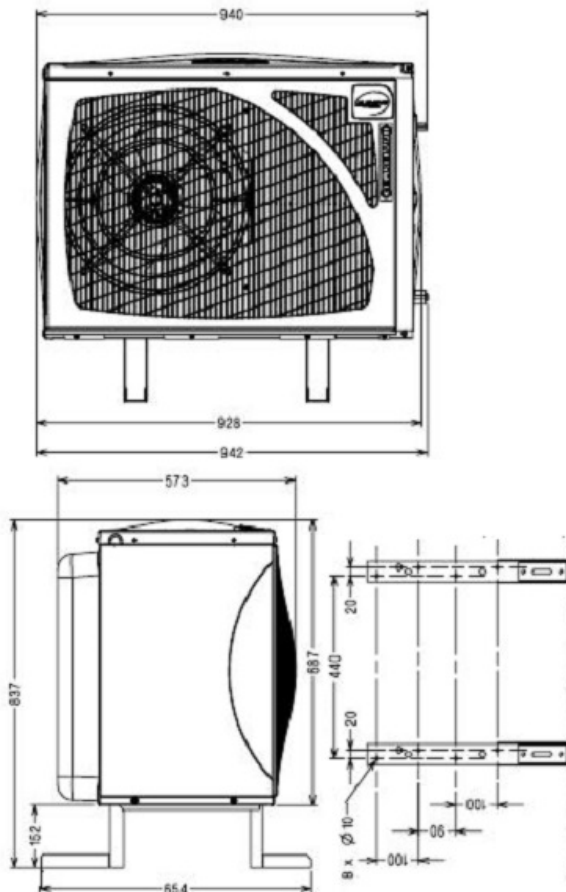
High Temp. Commercial (MHP)

220 - 240V 1~ 50 Hz

R452A / R404A / R448A / R449A

SILAJ9513Z-FZ

| Conditions | Frequency | Nominal Cooling Capacity | | Sound Power ISO3745 / ISO 3743-1 |
|-----------------|-----------|--------------------------|-------|-------------------------------------|
| | | Watts | BTU/h | |
| EN13215 / R452A | 50 Hz | 2042 | 6965 | 57 dBA |
| EN13215 / R404A | 50 Hz | 2094 | 7142 | 57 dBA |
| EN13215 / R448A | 50 Hz | 1861 | 6346 | 57 dBA |
| EN13215 / R449A | 50 Hz | 1862 | 6349 | 57 dBA |



* EN13215 : T°Ambient 32.0°C / T°Evap. -10.0°C / T°Return gas temp.. 20.0°C
T°Subcooling. 3.0K

| | |
|------------------------------|-----------------|
| Net Weight (Kg) | 74.0 |
| Expansion device | Expansion_Valve |
| Air Flow (m³/h) | 1650 |
| Compo Data Sheet | 224JT-FZ |
| Elec Comp Type | CSR |
| Current (Amp) | |
| Load Rated Amp | 7 |
| Max Cont Current | 11.6 |
| Lock Rotor Amp | 33 |
| Fan | |
| Speed (rpm) | 830 |
| Power (W) | 56.0 |
| Diameter (mm) | 360 |
| Protection | Overload |
| IP Level | IP44 |
| Condenser | 360/14100 |
| Liquid Receiver | |
| Capacity (L) | 1.5 |
| Maximum Pressure (Bars) | 32.0 |
| Suction Line | |
| Suction Type | Tube / Tube |
| For Tubing Out Diam | 15.9 (5/8") |
| Suction Connection Type | Brased |
| Liquid Line | |
| Liquid Line Type | Tube |
| For Tubing Out Diam | 9.5 (3/8") |
| Liquid Connecton Type | Brased |
| Heat recovery pipes | |
| Component/ Type of connexion | NA |
| For tube Outside diameter : | NA |

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

maille < à 8mm



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| | |
|----------------------|---|
| SILAJ9513Z-FZ | Tension FZ : 220 - 240V 1~ 50 Hz |
|----------------------|---|

Les performances sont données dans les **conditions EN13215** :
 Condition Dew
 The performance data are in **EN13215 conditions** :
 Dew Condition

Gaz aspirés : 20.0 °C
 Sous refroidissement : 3.0 K
 Return gas : 20.0 °C
 Subcooling : 3.0 K

| 50 Hz R452A | | | | | | | | | | | |
|--------------------|--------------------|--------|------------|------------|------------|------------|-----------|----------|----------|-----------|---------------|
| | | | | | | | | | | | N°6346 |
| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
| 25 | 1 P frigorifique | (Watt) | 1162 | 1488 | 1869 | 2302 | 2785 | 3315 | 3890 | 4504 | 5156 |
| | 2 P absorbée | (W) | 681 | 765 | 849 | 936 | 1025 | 1118 | 1217 | 1321 | 1432 |
| | 3 I absorbée | (A) | 3.74 | 4.03 | 4.35 | 4.70 | 5.08 | 5.50 | 5.96 | 6.47 | 7.02 |
| | 4 Tc | (°C) | 24.7 | 26.5 | 28.4 | 30.3 | 32.3 | 34.3 | 36.4 | 38.6 | 40.8 |
| 32 | 1 P frigorifique | (Watt) | 997 | 1301 | 1650 | 2042 | 2477 | 2951 | 3461 | 4006 | 4583 |
| | 2 P absorbée | (W) | 687 | 783 | 880 | 979 | 1080 | 1186 | 1296 | 1412 | 1535 |
| | 3 I absorbée | (A) | 3.72 | 4.08 | 4.46 | 4.88 | 5.32 | 5.80 | 6.32 | 6.88 | 7.49 |
| | 4 Tc | (°C) | 31.2 | 32.9 | 34.7 | 36.5 | 38.4 | 40.4 | 42.4 | 44.5 | 46.6 |
| 43 | 1 P frigorifique | (Watt) | 731 | 1001 | 1302 | 1632 | 1991 | 2378 | 2791 | 3229 | 3694 |
| | 2 P absorbée | (W) | 673 | 792 | 912 | 1033 | 1156 | 1283 | 1414 | 1550 | 1694 |
| | 3 I absorbée | (A) | 3.61 | 4.08 | 4.57 | 5.09 | 5.64 | 6.22 | 6.83 | 7.48 | 8.17 |
| | 4 Tc | (°C) | 41.6 | 43.1 | 44.8 | 46.5 | 48.2 | 50.0 | 51.9 | 53.8 | 55.8 |

| 50 Hz R404A | | | | | | | | | | | |
|--------------------|--------------------|--------|------------|------------|------------|------------|-----------|----------|----------|-----------|-----------------|
| | | | | | | | | | | | N°924L-F |
| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
| 25 | 1 P frigorifique | (Watt) | 1236 | 1575 | 1953 | 2370 | 2824 | 3312 | 3833 | 4383 | 4960 |
| | 2 P absorbée | (W) | 737 | 823 | 911 | 1003 | 1097 | 1193 | 1293 | 1395 | 1500 |
| | 3 I absorbée | (A) | 3.92 | 4.21 | 4.54 | 4.90 | 5.29 | 5.72 | 6.18 | 6.67 | 7.19 |
| | 4 Tc | (°C) | 27.6 | 29.4 | 31.3 | 33.2 | 35.1 | 37.1 | 39.2 | 41.3 | 43.4 |
| 32 | 1 P frigorifique | (Watt) | 1041 | 1363 | 1714 | 2094 | 2502 | 2935 | 3393 | 3873 | 4374 |
| | 2 P absorbée | (W) | 716 | 815 | 917 | 1022 | 1130 | 1241 | 1354 | 1470 | 1589 |
| | 3 I absorbée | (A) | 3.82 | 4.18 | 4.57 | 5.00 | 5.45 | 5.95 | 6.47 | 7.03 | 7.62 |
| | 4 Tc | (°C) | 34.1 | 35.7 | 37.5 | 39.2 | 41.1 | 43.0 | 44.9 | 46.9 | 49.0 |
| 43 | 1 P frigorifique | (Watt) | 726 | 1023 | 1332 | 1653 | 1988 | 2336 | 2696 | 3068 | 3453 |
| | 2 P absorbée | (W) | 681 | 803 | 927 | 1053 | 1183 | 1315 | 1450 | 1587 | 1728 |
| | 3 I absorbée | (A) | 3.66 | 4.13 | 4.62 | 5.15 | 5.71 | 6.31 | 6.93 | 7.59 | 8.29 |
| | 4 Tc | (°C) | 44.2 | 45.7 | 47.2 | 48.8 | 50.5 | 52.2 | 54.0 | 55.8 | 57.7 |

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

Nota : Tecumseh se réserve le droit de modifier les informations contenues dans ce document sans préavis.

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|----------------------|---|
| SILAJ9513Z-FZ | Tension FZ : 220 - 240V 1~ 50 Hz |
|----------------------|---|

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

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50 Hz R448A (*)

N°7002

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|------|------|------|------|------|------|------|------|------|
| 25 | 1 P frigorifique | (Watt) | 989 | 1302 | 1669 | 2091 | 2568 | 3099 | 3683 | 4321 | 5010 |
| | 2 P absorbée | (W) | 641 | 721 | 804 | 889 | 978 | 1072 | 1170 | 1275 | 1386 |
| | 3 I absorbée | (A) | 3.51 | 3.79 | 4.11 | 4.46 | 4.84 | 5.27 | 5.73 | 6.24 | 6.79 |
| | 4 Tc | (°C) | 24.9 | 26.8 | 28.7 | 30.6 | 32.6 | 34.7 | 36.8 | 39.0 | 41.3 |
| 32 | 1 P frigorifique | (Watt) | | 1136 | 1475 | 1861 | 2295 | 2777 | 3307 | 3885 | 4510 |
| | 2 P absorbée | (W) | | 741 | 835 | 932 | 1034 | 1140 | 1251 | 1369 | 1493 |
| | 3 I absorbée | (A) | | 3.85 | 4.22 | 4.64 | 5.09 | 5.57 | 6.10 | 6.66 | 7.27 |
| | 4 Tc | (°C) | | 33.3 | 35.1 | 36.9 | 38.8 | 40.8 | 42.8 | 44.9 | 47.1 |
| 43 | 1 P frigorifique | (Watt) | | | 1168 | 1501 | 1871 | 2279 | 2725 | 3212 | 3739 |
| | 2 P absorbée | (W) | | | 867 | 987 | 1111 | 1240 | 1374 | 1515 | 1662 |
| | 3 I absorbée | (A) | | | 4.34 | 4.86 | 5.42 | 6.01 | 6.63 | 7.30 | 8.01 |
| | 4 Tc | (°C) | | | 45.2 | 46.9 | 48.7 | 50.5 | 52.4 | 54.3 | 56.3 |

50 Hz R449A (*)

N°6280

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|------|------|------|------|------|------|------|------|------|
| 25 | 1 P frigorifique | (Watt) | 989 | 1302 | 1670 | 2092 | 2569 | 3100 | 3685 | 4323 | 5013 |
| | 2 P absorbée | (W) | 641 | 721 | 804 | 889 | 978 | 1072 | 1170 | 1275 | 1386 |
| | 3 I absorbée | (A) | 3.51 | 3.79 | 4.11 | 4.46 | 4.84 | 5.27 | 5.73 | 6.24 | 6.79 |
| | 4 Tc | (°C) | 25.0 | 26.8 | 28.7 | 30.6 | 32.7 | 34.7 | 36.8 | 39.0 | 41.3 |
| 32 | 1 P frigorifique | (Watt) | | 1137 | 1476 | 1862 | 2296 | 2779 | 3309 | 3887 | 4513 |
| | 2 P absorbée | (W) | | 741 | 835 | 932 | 1034 | 1140 | 1251 | 1369 | 1493 |
| | 3 I absorbée | (A) | | 3.85 | 4.22 | 4.64 | 5.09 | 5.57 | 6.10 | 6.66 | 7.27 |
| | 4 Tc | (°C) | | 33.3 | 35.1 | 36.9 | 38.8 | 40.8 | 42.8 | 44.9 | 47.0 |
| 43 | 1 P frigorifique | (Watt) | | | 1169 | 1502 | 1872 | 2280 | 2727 | 3214 | 3741 |
| | 2 P absorbée | (W) | | | 867 | 987 | 1111 | 1240 | 1374 | 1515 | 1662 |
| | 3 I absorbée | (A) | | | 4.34 | 4.86 | 5.42 | 6.01 | 6.63 | 7.30 | 8.01 |
| | 4 Tc | (°C) | | | 45.2 | 46.9 | 48.6 | 50.4 | 52.3 | 54.2 | 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 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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