



Tecumseh

מקט דיין : 270160

Condensing unit Voltage Code : TZ

SILAG2522Z-TZ

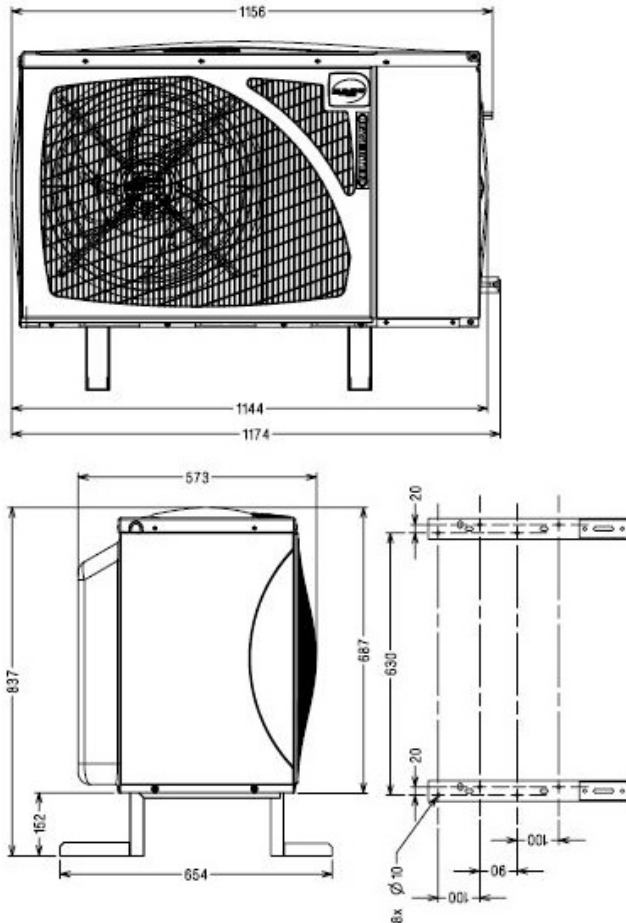
Low Temp. Commercial (BP)

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

R452A / R404A / R448A / R449A

SILAG2522Z-TZ

| Conditions | Frequency | Nominal Cooling Capacity | | Sound Pressure at 10 m ISO3745 / ISO 3743-1 |
|---------------------|---------------|--------------------------|---------------|--|
| | | Watts | BTU/h | |
| Standard TE / R452A | 50 Hz / 60 Hz | 5403 / 6149 | 18423 / 20969 | 40 dBA |
| Standard TE / R404A | 50 Hz / 60 Hz | 5825 / 6623 | 19863 / 22584 | 40 dBA |
| Standard TE / R448A | 50 Hz / 60 Hz | 4694 / 5374 | 16008 / 18326 | 40 dBA |
| Standard TE / R449A | 50 Hz / 60 Hz | 4701 / 5382 | 16029 / 18352 | 40 dBA |



* Standard TE : T°Ambient 32.0°C / T°Evap. -23.3°C / T°Return gas temp.. 32.0°C
T°Subcooling. 2.0K

| | |
|-------------------------|-----------------|
| Net Weight (Kg) | 112.0 |
| Expansion device | Expansion_Valve |
| Air Flow (m³/h) | 2700 |
| Compo Data Sheet | 2566 |
| Elec Comp Type | TRI |
| Current (Amp) | |
| Load Rated Amp | 6.5 6.9 |
| Max Cont Current | 14.2 14.6 |
| Lock Rotor Amp | 56 59 |
| Fan | |
| Speed (rpm) | 830 / 830 |
| Power (W) | 95.0 |
| Diameter (mm) | 450 |
| Protection | Overload |
| IP Level | IP44 |
| Condenser | M450/22000 |
| Liquid Receiver | |
| Capacity (L) | 3.9 |
| Maximum Pressure (Bars) | 32.0 |
| Suction Line | |
| Suction Type | Tube / Tube |
| For Tubing Out Diam | 22.2 (7/8") |
| Suction Connection Type | Brased |
| Liquid Line | |
| Liquid Line Type | Tube |
| For Tubing Out Diam | 12.7 (1/2") |
| Liquid Connecton Type | Brased |
| Connection Type | TT |
| Fan Guard | maille < à 8mm |

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



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| SILAG2522Z-TZ | Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz |
|----------------------|--|

| | | |
|--|------------------------|---------|
| Les performances sont données dans les conditions Standard TE : | Gaz aspirés : | 32.0 °C |
| Condition Dew | Sous refroidissement : | 2.0 K |
| The performance data are in Standard TE conditions : | Return gas : | 32.0 °C |
| Dew Condition | Subcooling : | 2.0 K |

| 50 Hz R452A | | | | | | | | | |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| N°6688 | | | | | | | | | |
| 5 T ambience | 6 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
| 25 | 1 P frigorifique | (Watt) | 2327 | 3277 | 4387 | 5656 | 7075 | 8635 | 10337 |
| | 2 P absorbée | (W) | 1822 | 2202 | 2616 | 3078 | 3599 | 4189 | 4857 |
| | 3 I absorbée | (A) | 4.87 | 5.33 | 5.88 | 6.53 | 7.30 | 8.19 | 9.19 |
| | 4 Tc | (°C) | 27.2 | 28.3 | 30.1 | 32.3 | 35.0 | 38.0 | 41.2 |
| 32 | 1 P frigorifique | (Watt) | 1880 | 2770 | 3800 | 4972 | 6284 | 7733 | 9328 |
| | 2 P absorbée | (W) | 1740 | 2152 | 2593 | 3078 | 3619 | 4225 | 4906 |
| | 3 I absorbée | (A) | 4.76 | 5.28 | 5.88 | 6.58 | 7.37 | 8.28 | 9.29 |
| | 4 Tc | (°C) | 33.9 | 34.7 | 36.2 | 38.2 | 40.6 | 43.3 | 46.1 |
| 43 | 1 P frigorifique | (Watt) | | 1997 | 2901 | 3925 | 5074 | 6358 | 7800 |
| | 2 P absorbée | (W) | | 2022 | 2514 | 3041 | 3618 | 4255 | 4963 |
| | 3 I absorbée | (A) | | 5.11 | 5.80 | 6.56 | 7.41 | 8.35 | 9.39 |
| | 4 Tc | (°C) | | 44.9 | 45.9 | 47.4 | 49.3 | 51.5 | 53.9 |

| 60 Hz R452A | | | | | | | | | |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| N°6688 | | | | | | | | | |
| 5 T ambience | 6 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
| 25 | 1 P frigorifique | (Watt) | 2525 | 3727 | 5045 | 6490 | 8067 | 9784 | 11658 |
| | 2 P absorbée | (W) | 2220 | 2775 | 3343 | 3964 | 4669 | 5485 | 6435 |
| | 3 I absorbée | (A) | 4.62 | 5.27 | 6.01 | 6.86 | 7.83 | 8.92 | 10.2 |
| | 4 Tc | (°C) | 32.2 | 33.2 | 34.8 | 36.9 | 39.5 | 42.3 | 45.4 |
| 32 | 1 P frigorifique | (Watt) | 1875 | 3036 | 4293 | 5658 | 7144 | 8763 | 10545 |
| | 2 P absorbée | (W) | 2008 | 2654 | 3284 | 3947 | 4680 | 5515 | 6477 |
| | 3 I absorbée | (A) | 4.39 | 5.12 | 5.93 | 6.83 | 7.84 | 8.97 | 10.2 |
| | 4 Tc | (°C) | 39.2 | 39.9 | 41.2 | 43.1 | 45.4 | 48.0 | 50.7 |
| 43 | 1 P frigorifique | (Watt) | | 1874 | 3027 | 4269 | 5619 | 7106 | 8785 |
| | 2 P absorbée | (W) | | 2261 | 3047 | 3822 | 4636 | 5528 | 6530 |
| | 3 I absorbée | (A) | | 4.65 | 5.58 | 6.59 | 7.68 | 8.88 | 10.2 |
| | 4 Tc | (°C) | | 50.6 | 51.5 | 52.9 | 54.7 | 56.8 | 59.1 |

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

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| SILAG2522Z-TZ | Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz |
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|--|------------------------|---------|
| Les performances sont données dans les conditions Standard TE : | Gaz aspirés : | 32.0 °C |
| Condition Dew | Sous refroidissement : | 2.0 K |
| The performance data are in Standard TE conditions : | Return gas : | 32.0 °C |
| Dew Condition | Subcooling : | 2.0 K |

50 Hz R404A

N°6683

| 5 T ambience | 6 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
|----------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| 25 | 1 P frigorifique | (Watt) | 2671 | 3659 | 4817 | 6132 | 7587 | 9160 | 10830 |
| | 2 P absorbée | (W) | 1960 | 2366 | 2807 | 3292 | 3830 | 4433 | 5110 |
| | 3 I absorbée | (A) | 5.21 | 5.71 | 6.30 | 7.00 | 7.80 | 8.70 | 9.72 |
| | 4 Tc | (°C) | 29.1 | 30.7 | 32.7 | 35.1 | 37.7 | 40.6 | 43.7 |
| 32 | 1 P frigorifique | (Watt) | 2194 | 3111 | 4177 | 5384 | 6721 | 8171 | 9723 |
| | 2 P absorbée | (W) | 1899 | 2329 | 2793 | 3298 | 3857 | 4478 | 5172 |
| | 3 I absorbée | (A) | 5.14 | 5.68 | 6.31 | 7.03 | 7.85 | 8.77 | 9.80 |
| | 4 Tc | (°C) | 35.7 | 37.1 | 38.8 | 40.9 | 43.3 | 45.9 | 48.7 |
| 43 | 1 P frigorifique | (Watt) | 1467 | 2280 | 3205 | 4247 | 5400 | 6663 | 8035 |
| | 2 P absorbée | (W) | 1745 | 2222 | 2729 | 3275 | 3871 | 4528 | 5254 |
| | 3 I absorbée | (A) | 4.94 | 5.54 | 6.23 | 7.00 | 7.86 | 8.82 | 9.88 |
| | 4 Tc | (°C) | 45.9 | 47.0 | 48.4 | 50.1 | 52.0 | 54.2 | 56.5 |

60 Hz R404A

N°6683

| 5 T ambience | 6 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
|----------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| 25 | 1 P frigorifique | (Watt) | 2946 | 4174 | 5537 | 7030 | 8640 | 10352 | 12156 |
| | 2 P absorbée | (W) | 2426 | 2999 | 3595 | 4247 | 4981 | 5819 | 6785 |
| | 3 I absorbée | (A) | 4.96 | 5.64 | 6.41 | 7.30 | 8.30 | 9.42 | 10.7 |
| | 4 Tc | (°C) | 34.0 | 35.5 | 37.3 | 39.6 | 42.0 | 44.8 | 47.8 |
| 32 | 1 P frigorifique | (Watt) | 2250 | 3429 | 4720 | 6122 | 7628 | 9229 | 10924 |
| | 2 P absorbée | (W) | 2244 | 2897 | 3551 | 4244 | 5004 | 5860 | 6836 |
| | 3 I absorbée | (A) | 4.78 | 5.52 | 6.36 | 7.29 | 8.34 | 9.49 | 10.8 |
| | 4 Tc | (°C) | 40.8 | 42.1 | 43.7 | 45.7 | 47.9 | 50.4 | 53.0 |
| 43 | 1 P frigorifique | (Watt) | | 2189 | 3362 | 4622 | 5968 | 7409 | 8960 |
| | 2 P absorbée | (W) | | 2543 | 3342 | 4142 | 4982 | 5894 | 6907 |
| | 3 I absorbée | (A) | | 5.10 | 6.06 | 7.09 | 8.22 | 9.44 | 10.8 |
| | 4 Tc | (°C) | | 52.5 | 53.8 | 55.3 | 57.1 | 59.1 | 61.3 |

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| SILAG2522Z-TZ | Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz |
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| Les performances sont données dans les conditions Standard TE : | Gaz aspirés : | 32.0 °C |
| Condition Dew | Sous refroidissement : | 2.0 K |
| The performance data are in Standard TE conditions : | Return gas : | 32.0 °C |
| Dew Condition | Subcooling : | 2.0 K |

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50 Hz R448A (*)

N°7056

| 5 T ambience | 6 T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 |
|----------------|--------------------|--------|------------|------------|------------|------------|------------|
| 25 | 1 P frigorifique | (Watt) | 3621 | 4864 | 6306 | 7939 | 9746 |
| | 2 P absorbée | (W) | 2464 | 2920 | 3423 | 3984 | 4614 |
| | 3 I absorbée | (A) | 5.58 | 6.24 | 6.98 | 7.82 | 8.76 |
| | 4 Tc | (°C) | 31.1 | 33.1 | 35.4 | 38.0 | 41.0 |
| 32 | 1 P frigorifique | (Watt) | 3118 | 4261 | 5599 | 7129 | 8843 |
| | 2 P absorbée | (W) | 2451 | 2929 | 3452 | 4032 | 4678 |
| | 3 I absorbée | (A) | 5.60 | 6.29 | 7.07 | 7.93 | 8.89 |
| | 4 Tc | (°C) | 37.4 | 39.2 | 41.3 | 43.6 | 46.3 |
| 43 | 1 P frigorifique | (Watt) | 2384 | 3385 | 4569 | 5947 | 7522 |
| | 2 P absorbée | (W) | 2383 | 2906 | 3470 | 4086 | 4764 |
| | 3 I absorbée | (A) | 5.54 | 6.30 | 7.13 | 8.04 | 9.04 |
| | 4 Tc | (°C) | 47.3 | 48.8 | 50.5 | 52.5 | 54.7 |

60 Hz R448A (*)

N°7056

| 5 T ambience | 6 T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 |
|----------------|--------------------|--------|------------|------------|------------|------------|------------|
| 25 | 1 P frigorifique | (Watt) | 4154 | 5599 | 7240 | 9074 | 11094 |
| | 2 P absorbée | (W) | 3156 | 3770 | 4452 | 5229 | 6123 |
| | 3 I absorbée | (A) | 5.72 | 6.56 | 7.50 | 8.54 | 9.71 |
| | 4 Tc | (°C) | 35.8 | 37.7 | 39.9 | 42.4 | 45.3 |
| 32 | 1 P frigorifique | (Watt) | 3501 | 4866 | 6425 | 8181 | 10133 |
| | 2 P absorbée | (W) | 3102 | 3766 | 4482 | 5279 | 6183 |
| | 3 I absorbée | (A) | 5.64 | 6.54 | 7.52 | 8.61 | 9.80 |
| | 4 Tc | (°C) | 42.5 | 44.2 | 46.1 | 48.3 | 50.9 |
| 43 | 1 P frigorifique | (Watt) | | 3728 | 5167 | | |
| | 2 P absorbée | (W) | | 3639 | 4450 | | |
| | 3 I absorbée | (A) | | 6.30 | 7.38 | | |
| | 4 Tc | (°C) | | 54.3 | 55.9 | | |

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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| SILAG2522Z-TZ | Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz |
|----------------------|--|

| | | |
|--|------------------------|---------|
| Les performances sont données dans les conditions Standard TE : | Gaz aspirés : | 32.0 °C |
| Condition Dew | Sous refroidissement : | 2.0 K |
| The performance data are in Standard TE conditions : | Return gas : | 32.0 °C |
| Dew Condition | Subcooling : | 2.0 K |

| 50 Hz R449A (*) | | | | | | | | N°6829 |
|------------------------|--------------------|--------|------------|------------|------------|------------|------------|---------------|
| 5 T ambience | 6 T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 | |
| 25 | 1 P frigorifique | (Watt) | 3625 | 4870 | 6314 | 7950 | 9760 | |
| | 2 P absorbée | (W) | 2464 | 2920 | 3423 | 3984 | 4614 | |
| | 3 I absorbée | (A) | 5.58 | 6.24 | 6.98 | 7.82 | 8.76 | |
| | 4 Tc | (°C) | 31.1 | 33.1 | 35.4 | 38.0 | 41.0 | |
| 32 | 1 P frigorifique | (Watt) | 3122 | 4267 | 5607 | 7139 | 8857 | |
| | 2 P absorbée | (W) | 2451 | 2929 | 3452 | 4032 | 4678 | |
| | 3 I absorbée | (A) | 5.60 | 6.29 | 7.07 | 7.93 | 8.89 | |
| | 4 Tc | (°C) | 37.4 | 39.2 | 41.3 | 43.6 | 46.3 | |
| 43 | 1 P frigorifique | (Watt) | 2387 | 3390 | 4576 | 5956 | 7534 | |
| | 2 P absorbée | (W) | 2383 | 2906 | 3470 | 4086 | 4764 | |
| | 3 I absorbée | (A) | 5.54 | 6.30 | 7.13 | 8.04 | 9.04 | |
| | 4 Tc | (°C) | 47.3 | 48.8 | 50.5 | 52.4 | 54.6 | |

| 60 Hz R449A (*) | | | | | | | | N°6829 |
|------------------------|--------------------|--------|------------|------------|------------|------------|------------|---------------|
| 5 T ambience | 6 T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 | |
| 25 | 1 P frigorifique | (Watt) | 4160 | 5606 | 7250 | 9087 | 11111 | |
| | 2 P absorbée | (W) | 3156 | 3770 | 4452 | 5229 | 6123 | |
| | 3 I absorbée | (A) | 5.72 | 6.56 | 7.50 | 8.54 | 9.71 | |
| | 4 Tc | (°C) | 35.8 | 37.7 | 39.9 | 42.4 | 45.3 | |
| 32 | 1 P frigorifique | (Watt) | 3505 | 4873 | 6435 | 8193 | 10149 | |
| | 2 P absorbée | (W) | 3102 | 3766 | 4482 | 5279 | 6183 | |
| | 3 I absorbée | (A) | 5.64 | 6.54 | 7.52 | 8.61 | 9.80 | |
| | 4 Tc | (°C) | 42.5 | 44.1 | 46.1 | 48.3 | 50.9 | |
| 43 | 1 P frigorifique | (Watt) | | 3734 | 5175 | | | |
| | 2 P absorbée | (W) | | 3639 | 4450 | | | |
| | 3 I absorbée | (A) | | 6.30 | 7.38 | | | |
| | 4 Tc | (°C) | | 54.3 | 55.8 | | | |

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