

Condensing unit
Voltage Code : TZ

SILAG2525Z-TZ

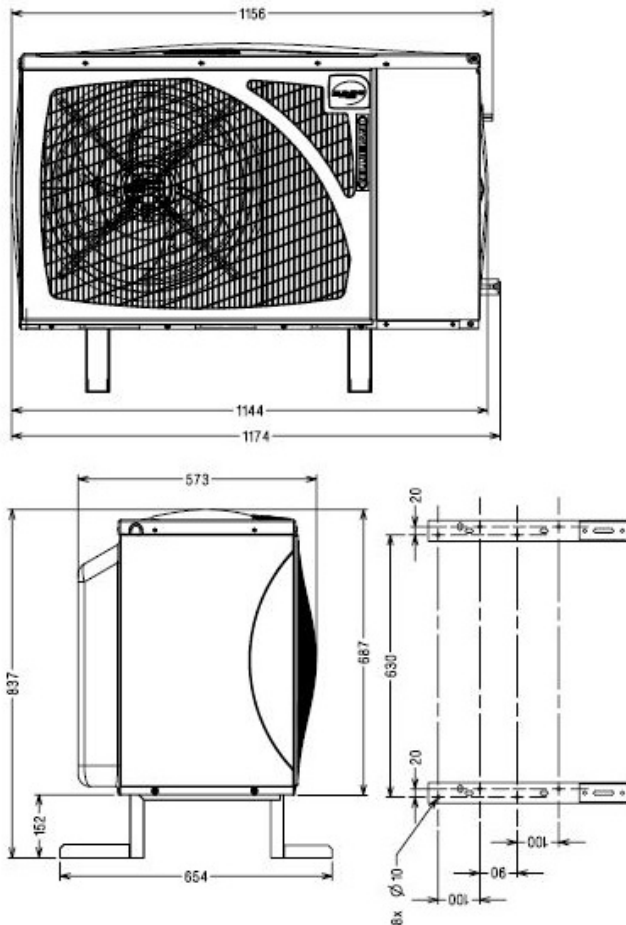
Low Temp. Commercial (BP)

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

R452A / R404A / R448A / R449A

SILAG2525Z-TZ

| Conditions | Frequency | Nominal Cooling Capacity | | Sound Power ISO3745 / ISO 3743-1 |
|---------------------|---------------|--------------------------|---------------|-------------------------------------|
| | | Watts | BTU/h | |
| Standard TE / R452A | 50 Hz / 60 Hz | 5899 / 6546 | 20116 / 22323 | 75 dBA |
| Standard TE / R404A | 50 Hz / 60 Hz | 6253 / 6927 | 21321 / 23621 | 75 dBA |
| Standard TE / R448A | 50 Hz / 60 Hz | 5081 / 5679 | 17326 / 19367 | 75 dBA |
| Standard TE / R449A | 50 Hz / 60 Hz | 5088 / 5688 | 17349 / 19395 | 75 dBA |



| | |
|------------------------------|-----------------|
| Net Weight (Kg) | 112.0 |
| Expansion device | Expansion_Valve |
| Air Flow (m³/h) | 2700 |
| Compo Data Sheet | 2567 |
| Elec Comp Type | TRI |
| Current (Amp) | |
| Load Rated Amp | 7.1 7.7 |
| Max Cont Current | 14.1 14.1 |
| Lock Rotor Amp | 57 59 |
| Fan | |
| Speed (rpm) | 830 / 830 |
| Power (W) | 90.0 |
| 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 |
| Heat recovery pipes | |
| Component/ Type of connexion | NA |
| For tube Outside diameter : | NA |

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

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

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|----------------------|--|
| SILAG2525Z-TZ | Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz |
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Les performances sont données dans les **conditions Standard TE** :
 Condition Dew
 The performance data are in **Standard TE conditions** :
 Dew Condition

Gaz aspirés : 32.0 °C
 Sous refroidissement : 2.0 K
 Return gas : 32.0 °C
 Subcooling : 2.0 K

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50 Hz R452A

N°6689

| 5 T ambience | 6 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
|----------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| 25 | 1 P frigorifique | (Watt) | 2577 | 3627 | 4818 | 6146 | 7603 | 9182 | 10886 |
| | 2 P absorbée | (W) | 2021 | 2462 | 2937 | 3462 | 4046 | 4697 | 5422 |
| | 3 I absorbée | (A) | 4.93 | 5.40 | 5.96 | 6.62 | 7.41 | 8.31 | 9.33 |
| | 4 Tc | (°C) | 27.2 | 28.3 | 30.1 | 32.4 | 35.1 | 38.1 | 41.2 |
| 32 | 1 P frigorifique | (Watt) | 2085 | 3084 | 4206 | 5449 | 6810 | 8287 | 9891 |
| | 2 P absorbée | (W) | 1939 | 2419 | 2928 | 3481 | 4088 | 4760 | 5501 |
| | 3 I absorbée | (A) | 4.82 | 5.35 | 5.96 | 6.66 | 7.47 | 8.40 | 9.43 |
| | 4 Tc | (°C) | 33.9 | 34.7 | 36.1 | 38.2 | 40.6 | 43.3 | 46.1 |
| 43 | 1 P frigorifique | (Watt) | | 2247 | 3251 | 4357 | 5569 | 6892 | 8353 |
| | 2 P absorbée | (W) | | 2294 | 2861 | 3463 | 4112 | 4819 | 5590 |
| | 3 I absorbée | (A) | | 5.18 | 5.87 | 6.65 | 7.51 | 8.47 | 9.53 |
| | 4 Tc | (°C) | | 44.8 | 45.8 | 47.3 | 49.3 | 51.5 | 53.9 |

60 Hz R452A

N°6689

| 5 T ambience | 6 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
|----------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| 25 | 1 P frigorifique | (Watt) | 2799 | 4035 | 5387 | 6857 | 8443 | 10145 | 11972 |
| | 2 P absorbée | (W) | 2439 | 3043 | 3671 | 4349 | 5099 | 5939 | 6885 |
| | 3 I absorbée | (A) | 4.77 | 5.50 | 6.29 | 7.16 | 8.14 | 9.24 | 10.5 |
| | 4 Tc | (°C) | 32.1 | 33.1 | 34.8 | 36.9 | 39.5 | 42.4 | 45.5 |
| 32 | 1 P frigorifique | (Watt) | 2179 | 3380 | 4669 | 6053 | 7537 | 9124 | 10838 |
| | 2 P absorbée | (W) | 2267 | 2946 | 3634 | 4361 | 5151 | 6025 | 6999 |
| | 3 I absorbée | (A) | 4.54 | 5.36 | 6.23 | 7.16 | 8.20 | 9.33 | 10.6 |
| | 4 Tc | (°C) | 39.2 | 39.9 | 41.2 | 43.1 | 45.4 | 48.0 | 50.7 |
| 43 | 1 P frigorifique | (Watt) | | 2266 | 3451 | 4701 | 6028 | 7455 | 9029 |
| | 2 P absorbée | (W) | | 2625 | 3435 | 4261 | 5134 | 6078 | 7112 |
| | 3 I absorbée | (A) | | 4.95 | 5.96 | 7.02 | 8.15 | 9.37 | 10.7 |
| | 4 Tc | (°C) | | 50.5 | 51.4 | 52.8 | 54.6 | 56.8 | 59.0 |

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

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| SILAG2525Z-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°6684 | | | | | | | | | |
| 5 T ambience | 6 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
| 25 | 1 P frigorifique | (Watt) | 2921 | 3990 | 5209 | 6561 | 8030 | 9594 | 11235 |
| | 2 P absorbée | (W) | 2169 | 2642 | 3152 | 3705 | 4311 | 4979 | 5716 |
| | 3 I absorbée | (A) | 5.50 | 6.03 | 6.67 | 7.41 | 8.26 | 9.23 | 10.3 |
| | 4 Tc | (°C) | 29.5 | 31.3 | 33.4 | 35.8 | 38.5 | 41.4 | 44.4 |
| 32 | 1 P frigorifique | (Watt) | 2401 | 3409 | 4546 | 5801 | 7161 | 8612 | 10142 |
| | 2 P absorbée | (W) | 2110 | 2613 | 3150 | 3731 | 4362 | 5052 | 5810 |
| | 3 I absorbée | (A) | 5.43 | 6.01 | 6.69 | 7.46 | 8.35 | 9.34 | 10.5 |
| | 4 Tc | (°C) | 36.0 | 37.5 | 39.4 | 41.6 | 44.0 | 46.6 | 49.4 |
| 43 | 1 P frigorifique | (Watt) | 1613 | 2518 | 3522 | 4622 | 5811 | 7084 | 8445 |
| | 2 P absorbée | (W) | 1959 | 2512 | 3099 | 3726 | 4401 | 5132 | 5927 |
| | 3 I absorbée | (A) | 5.21 | 5.88 | 6.63 | 7.47 | 8.41 | 9.45 | 10.6 |
| | 4 Tc | (°C) | 46.2 | 47.4 | 48.9 | 50.7 | 52.7 | 54.8 | 57.1 |

| 60 Hz R404A | | | | | | | | | |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| N°6684 | | | | | | | | | |
| 5 T ambience | 6 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
| 25 | 1 P frigorifique | (Watt) | 3202 | 4444 | 5820 | 7316 | 8911 | 10585 | 12316 |
| | 2 P absorbée | (W) | 2648 | 3282 | 3947 | 4663 | 5445 | 6307 | 7266 |
| | 3 I absorbée | (A) | 5.12 | 5.88 | 6.71 | 7.63 | 8.65 | 9.77 | 11.0 |
| | 4 Tc | (°C) | 34.4 | 36.0 | 38.0 | 40.3 | 42.8 | 45.6 | 48.5 |
| 32 | 1 P frigorifique | (Watt) | 2542 | 3737 | 5037 | 6433 | 7910 | 9454 | 11055 |
| | 2 P absorbée | (W) | 2502 | 3200 | 3922 | 4686 | 5509 | 6408 | 7396 |
| | 3 I absorbée | (A) | 4.93 | 5.76 | 6.67 | 7.65 | 8.72 | 9.88 | 11.2 |
| | 4 Tc | (°C) | 41.1 | 42.6 | 44.3 | 46.4 | 48.6 | 51.1 | 53.7 |
| 43 | 1 P frigorifique | (Watt) | | 2558 | 3732 | 4969 | 6264 | 7616 | 9037 |
| | 2 P absorbée | (W) | | 2910 | 3743 | 4604 | 5510 | 6480 | 7528 |
| | 3 I absorbée | (A) | | 5.41 | 6.44 | 7.53 | 8.70 | 9.94 | 11.3 |
| | 4 Tc | (°C) | | 52.9 | 54.3 | 55.9 | 57.8 | 59.8 | 62.0 |

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| SILAG2525Z-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°7057

| 5 T ambience | 6 T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 |
|----------------|--------------------|--------|------------|------------|------------|------------|------------|
| 25 | 1 P frigorifique | (Watt) | 3951 | 5249 | 6724 | 8367 | 10165 |
| | 2 P absorbée | (W) | 2772 | 3292 | 3858 | 4479 | 5164 |
| | 3 I absorbée | (A) | 5.66 | 6.33 | 7.09 | 7.95 | 8.91 |
| | 4 Tc | (°C) | 31.5 | 33.6 | 36.0 | 38.7 | 41.7 |
| 32 | 1 P frigorifique | (Watt) | 3422 | 4630 | 6012 | 7564 | 9279 |
| | 2 P absorbée | (W) | 2770 | 3317 | 3908 | 4552 | 5257 |
| | 3 I absorbée | (A) | 5.68 | 6.38 | 7.17 | 8.05 | 9.03 |
| | 4 Tc | (°C) | 37.7 | 39.7 | 41.8 | 44.3 | 46.9 |
| 43 | 1 P frigorifique | (Watt) | 2644 | 3718 | 4959 | 6372 | 7962 |
| | 2 P absorbée | (W) | 2711 | 3309 | 3948 | 4634 | 5375 |
| | 3 I absorbée | (A) | 5.61 | 6.39 | 7.24 | 8.17 | 9.18 |
| | 4 Tc | (°C) | 47.7 | 49.2 | 51.0 | 53.0 | 55.2 |

60 Hz R448A (*)

N°7057

| 5 T ambience | 6 T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 |
|----------------|--------------------|--------|------------|------------|------------|------------|------------|
| 25 | 1 P frigorifique | (Watt) | 4420 | 5881 | 7519 | 9325 | 11287 |
| | 2 P absorbée | (W) | 3473 | 4149 | 4880 | 5682 | 6572 |
| | 3 I absorbée | (A) | 5.98 | 6.86 | 7.82 | 8.86 | 10.0 |
| | 4 Tc | (°C) | 36.2 | 38.2 | 40.5 | 43.1 | 45.9 |
| 32 | 1 P frigorifique | (Watt) | 3796 | 5173 | 6719 | 8432 | 10305 |
| | 2 P absorbée | (W) | 3434 | 4163 | 4940 | 5780 | 6699 |
| | 3 I absorbée | (A) | 5.92 | 6.87 | 7.88 | 8.97 | 10.2 |
| | 4 Tc | (°C) | 42.9 | 44.6 | 46.7 | 49.0 | 51.5 |
| 43 | 1 P frigorifique | (Watt) | | 4073 | 5482 | | |
| | 2 P absorbée | (W) | | 4055 | 4925 | | |
| | 3 I absorbée | (A) | | 6.72 | 7.84 | | |
| | 4 Tc | (°C) | | 54.8 | 56.4 | | |

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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| SILAG2525Z-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 |

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50 Hz R449A (*)

N°6830

| 5 T ambience | 6 T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 |
|----------------|--------------------|--------|------------|------------|------------|------------|------------|
| 25 | 1 P frigorifique | (Watt) | 3955 | 5255 | 6733 | 8378 | 10180 |
| | 2 P absorbée | (W) | 2772 | 3292 | 3858 | 4479 | 5164 |
| | 3 I absorbée | (A) | 5.66 | 6.33 | 7.09 | 7.95 | 8.91 |
| | 4 Tc | (°C) | 31.5 | 33.6 | 36.0 | 38.7 | 41.6 |
| 32 | 1 P frigorifique | (Watt) | 3426 | 4637 | 6021 | 7575 | 9293 |
| | 2 P absorbée | (W) | 2770 | 3317 | 3908 | 4552 | 5257 |
| | 3 I absorbée | (A) | 5.68 | 6.38 | 7.17 | 8.05 | 9.03 |
| | 4 Tc | (°C) | 37.7 | 39.7 | 41.8 | 44.2 | 46.9 |
| 43 | 1 P frigorifique | (Watt) | 2648 | 3723 | 4966 | 6382 | 7974 |
| | 2 P absorbée | (W) | 2711 | 3309 | 3948 | 4634 | 5375 |
| | 3 I absorbée | (A) | 5.61 | 6.39 | 7.24 | 8.17 | 9.18 |
| | 4 Tc | (°C) | 47.6 | 49.2 | 51.0 | 53.0 | 55.2 |

60 Hz R449A (*)

N°6830

| 5 T ambience | 6 T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 |
|----------------|--------------------|--------|------------|------------|------------|------------|------------|
| 25 | 1 P frigorifique | (Watt) | 4426 | 5889 | 7529 | 9338 | 11304 |
| | 2 P absorbée | (W) | 3473 | 4149 | 4880 | 5682 | 6572 |
| | 3 I absorbée | (A) | 5.98 | 6.86 | 7.82 | 8.86 | 10.0 |
| | 4 Tc | (°C) | 36.2 | 38.2 | 40.5 | 43.0 | 45.9 |
| 32 | 1 P frigorifique | (Watt) | 3801 | 5180 | 6729 | 8445 | 10321 |
| | 2 P absorbée | (W) | 3434 | 4163 | 4940 | 5780 | 6699 |
| | 3 I absorbée | (A) | 5.92 | 6.87 | 7.88 | 8.97 | 10.2 |
| | 4 Tc | (°C) | 42.8 | 44.6 | 46.6 | 48.9 | 51.5 |
| 43 | 1 P frigorifique | (Watt) | | 4079 | 5491 | | |
| | 2 P absorbée | (W) | | 4055 | 4925 | | |
| | 3 I absorbée | (A) | | 6.72 | 7.84 | | |
| | 4 Tc | (°C) | | 54.7 | 56.3 | | |

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

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(*) 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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