

Groupe de condensation  
Code Tension : TZ

# SILAG2525Z-TZ

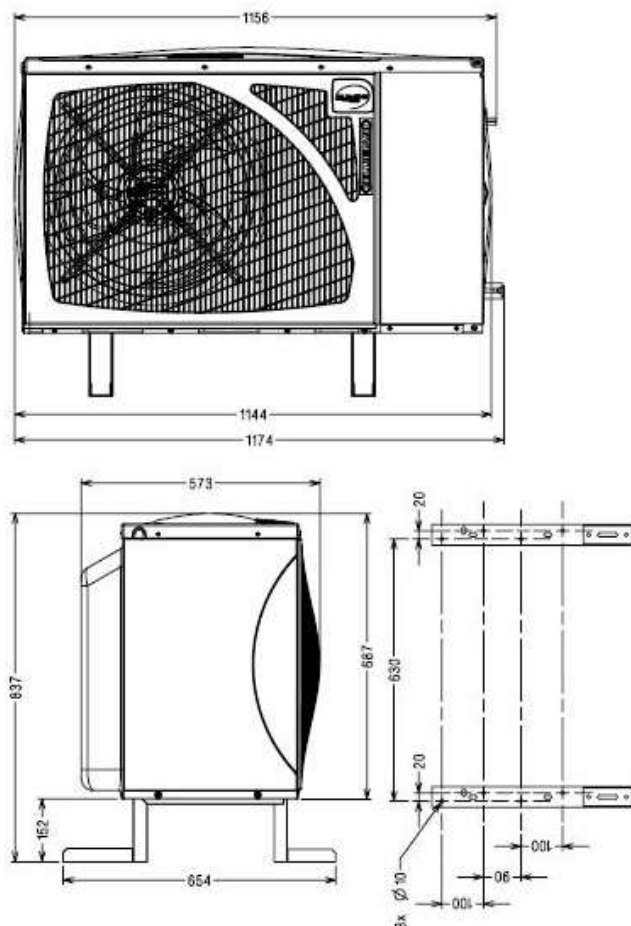
Froid Commercial Négatif (BP)

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

R452A / R404A / R448A / R449A

## SILAG2525Z-TZ

| Conditions      | Fréquence     | Puissance Frigorifique Nominale |               | Puissance sonore<br>ISO3745 / ISO 3743-1 |
|-----------------|---------------|---------------------------------|---------------|------------------------------------------|
|                 |               | Watts                           | BTU/h         |                                          |
| EN13215 / R452A | 50 Hz / 60 Hz | 2971 / 3246                     | 10131 / 11070 | 75 dBA                                   |
| EN13215 / R404A | 50 Hz / 60 Hz | 3276 / 3580                     | 11171 / 12207 | 75 dBA                                   |
| EN13215 / R448A | 50 Hz / 60 Hz | 2325 / 2517                     | 7929 / 8585   | 75 dBA                                   |
| EN13215 / R449A | 50 Hz / 60 Hz | 2326 / 2519                     | 7933 / 8589   | 75 dBA                                   |



\* EN13215 : T°Ambiance 32.0°C / T°Evap. -35.0°C / T°Gaz Aspirés. 20.0°C  
T°Sous-refroidissement. 3.0K

|                                     |                |
|-------------------------------------|----------------|
| <b>Poids Net (Kg)</b>               | 112.0          |
| <b>Type Détente</b>                 | Détendeur      |
| <b>Débit d'air (m³/h)</b>           | 2700           |
| <b>Fiche Tec Compresseur</b>        | 2567           |
| <b>Type Appareillage Electrique</b> | TRI            |
| <b>Intensité (Amp)</b>              |                |
| Nominale                            | 7.1   7.7      |
| Maximale                            | 14.1   14.1    |
| Démarrage                           | 57   59        |
| <b>Ventilateur</b>                  |                |
| Vitesse (tr/mn)                     | 830 / 830      |
| Puissance Mécanique (W)             | 95.0           |
| Diamètre (mm)                       | 450            |
| Protection                          | Protecteur     |
| Indice de Protection (IP)           | IP44           |
| <b>Condenseur</b>                   | M450/22000     |
| <b>Réservoir de liquide</b>         |                |
| Volume (L)                          | 3.9            |
| PMS (Bars)                          | 32.0           |
| <b>Conduite Aspiration</b>          |                |
| Composant                           | Tube / Tube    |
| Diamètre extérieur                  | 22.2 (7/8")    |
| Type de Connexion                   | à Braser       |
| <b>Conduite Départ Liquide</b>      |                |
| Composant                           | Tube           |
| Pour Tube Diam Ext                  | 12.7 (1/2")    |
| Type de Connexion                   | à Braser       |
| <b>ID Raccord Client</b>            | TT             |
| <b>Grille</b>                       | maille < à 8mm |

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|                      |                                                  |
|----------------------|--------------------------------------------------|
| <b>SILAG2525Z-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 R452A</b> |                    |        |            |            |            |            |            |            |               |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|---------------|
|                    |                    |        |            |            |            |            |            |            | <b>N°6689</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) | 2493       | 3506       | 4652       | 5927       | 7319       | 8820       | 10429         |
|                    | 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          |
| <b>32</b>          | 1   P frigorifique | (Watt) | 2010       | 2971       | 4048       | 5237       | 6533       | 7932       | 9440          |
|                    | 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          |
| <b>43</b>          | 1   P frigorifique | (Watt) | 1286       | 2151       | 3109       | 4161       | 5307       | 6552       | 7916          |
|                    | 2   P absorbée     | (W)    | 1749       | 2294       | 2861       | 3463       | 4112       | 4819       | 5590          |
|                    | 3   I absorbée     | (A)    | 4.53       | 5.18       | 5.87       | 6.65       | 7.51       | 8.47       | 9.53          |
|                    | 4   Tc             | (°C)   | 44.5       | 44.8       | 45.8       | 47.3       | 49.3       | 51.5       | 53.9          |

| <b>60 Hz R452A</b> |                    |        |            |            |            |            |            |            |               |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|---------------|
|                    |                    |        |            |            |            |            |            |            | <b>N°6689</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) | 2700       | 3891       | 5188       | 6595       | 8105       | 9716       | 11433         |
|                    | 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          |
| <b>32</b>          | 1   P frigorifique | (Watt) | 2094       | 3246       | 4479       | 5799       | 7205       | 8701       | 10303         |
|                    | 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          |
| <b>43</b>          | 1   P frigorifique | (Watt) |            | 2160       | 3286       | 4468       | 5717       | 7050       | 8509          |
|                    | 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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|                      |                                                  |
|----------------------|--------------------------------------------------|
| <b>SILAG2525Z-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 R404A</b> |                    |        |            |            |            |            |            |            |               |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|---------------|
|                    |                    |        |            |            |            |            |            |            | <b>N°6684</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) | 2820       | 3849       | 5017       | 6309       | 7706       | 9184       | 10723         |
|                    | 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          |
| <b>32</b>          | 1   P frigorifique | (Watt) | 2310       | 3276       | 4362       | 5557       | 6845       | 8210       | 9636          |
|                    | 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          |
| <b>43</b>          | 1   P frigorifique | (Watt) | 1541       | 2404       | 3356       | 4395       | 5511       | 6699       | 7954          |
|                    | 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          |

| <b>60 Hz R404A</b> |                    |        |            |            |            |            |            |            |               |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|---------------|
|                    |                    |        |            |            |            |            |            |            | <b>N°6684</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) | 3083       | 4275       | 5591       | 7015       | 8525       | 10099      | 11712         |
|                    | 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          |
| <b>32</b>          | 1   P frigorifique | (Watt) | 2438       | 3580       | 4817       | 6140       | 7532       | 8975       | 10456         |
|                    | 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          |
| <b>43</b>          | 1   P frigorifique | (Watt) | 1377       | 2430       | 3539       | 4700       | 5908       | 7158       | 8455          |
|                    | 2   P absorbée     | (W)    | 2083       | 2910       | 3743       | 4604       | 5510       | 6480       | 7528          |
|                    | 3   I absorbée     | (A)    | 4.43       | 5.41       | 6.44       | 7.53       | 8.70       | 9.94       | 11.3          |
|                    | 4   Tc             | (°C)   | 51.8       | 52.9       | 54.3       | 55.9       | 57.8       | 59.8       | 62.0          |

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

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|                      |                                                  |
|----------------------|--------------------------------------------------|
| <b>SILAG2525Z-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 R448A (*)</b> |                    |        |            |            |            |            |            |
|------------------------|--------------------|--------|------------|------------|------------|------------|------------|
| <b>N°7057</b>          |                    |        |            |            |            |            |            |
| 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) | 3855       | 5118       | 6549       | 8138       | 9872       |
|                        | 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       |
| <b>32</b>              | 1   P frigorifique | (Watt) | 3331       | 4504       | 5841       | 7339       | 8987       |
|                        | 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       |
| <b>43</b>              | 1   P frigorifique | (Watt) | 2563       | 3600       | 4796       | 6154       | 7674       |
|                        | 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       |

| <b>60 Hz R448A (*)</b> |                    |        |            |            |            |            |            |
|------------------------|--------------------|--------|------------|------------|------------|------------|------------|
| <b>N°7057</b>          |                    |        |            |            |            |            |            |
| 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) | 4306       | 5724       | 7310       | 9053       | 10938      |
|                        | 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       |
| <b>32</b>              | 1   P frigorifique | (Watt) | 3688       | 5020       | 6513       | 8161       | 9956       |
|                        | 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       |
| <b>43</b>              | 1   P frigorifique | (Watt) |            | 3932       | 5286       |            |            |
|                        | 2   P absorbée     | (W)    |            | 4055       | 4925       |            |            |
|                        | 3   I absorbée     | (A)    |            | 6.72       | 7.84       |            |            |
|                        | 4   Tc             | (°C)   |            | 54.8       | 56.4       |            |            |

|                                                                                                                                                                                    |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| <b>1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = ambient temperature 6 = evaporating temperature</b>                                             |  |  |  |  |  |  |  |
| (*) 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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|                      |                                                  |
|----------------------|--------------------------------------------------|
| <b>SILAG2525Z-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°6830</b> |
| 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) | 3857       | 5120       | 6553       | 8143       | 9878          |
|                        | 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          |
| <b>32</b>              | 1   P frigorifique | (Watt) | 3333       | 4506       | 5845       | 7343       | 8993          |
|                        | 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          |
| <b>43</b>              | 1   P frigorifique | (Watt) | 2564       | 3602       | 4798       | 6157       | 7678          |
|                        | 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          |

| <b>60 Hz R449A (*)</b> |                    |        |            |            |            |            |               |
|------------------------|--------------------|--------|------------|------------|------------|------------|---------------|
|                        |                    |        |            |            |            |            | <b>N°6830</b> |
| 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) | 4308       | 5727       | 7314       | 9058       | 10945         |
|                        | 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          |
| <b>32</b>              | 1   P frigorifique | (Watt) | 3690       | 5023       | 6517       | 8166       | 9961          |
|                        | 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          |
| <b>43</b>              | 1   P frigorifique | (Watt) |            | 3934       | 5288       |            |               |
|                        | 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**

(\*) 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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