

# Condensing unit

## Voltage Code : TZ

# TAGDT4615ZHR-TZ

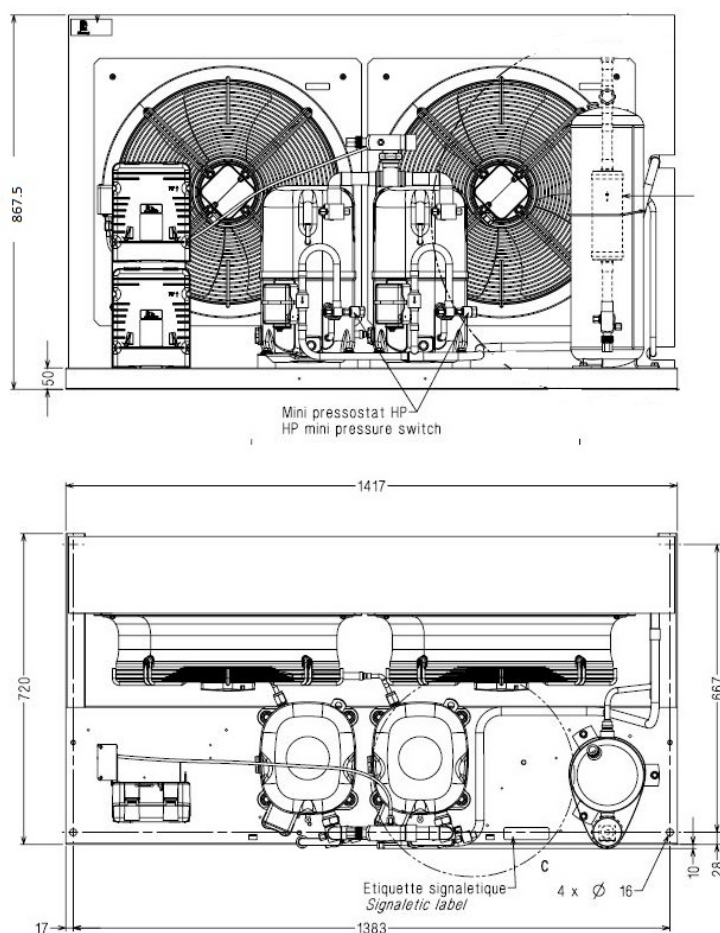
High Temp. Commercial (HP)

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

R452A / R404A / R449A

TAGDT4615ZHR-TZ

| Conditions      | Frequency | Nominal Cooling Capacity |       | Sound Power<br>ISO3745 / ISO 3743-1 |
|-----------------|-----------|--------------------------|-------|-------------------------------------|
|                 |           | Watts                    | BTU/h |                                     |
| EN13215 / R452A | 50 Hz     | 19970                    | 68098 | 90 dBA                              |
| EN13215 / R404A | 50 Hz     | 20964                    | 71486 | 90 dBA                              |
| EN13215 / R449A | 50 Hz     | 18034                    | 61497 | 90 dBA                              |



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

|                         |                  |
|-------------------------|------------------|
| <b>Net Weight (Kg)</b>  | 217.0            |
| <b>Expansion device</b> | Expansion_Valve  |
| <b>Air Flow (m³/h)</b>  | 13000 / 14300    |
| <b>Compo Data Sheet</b> | 227LU-T          |
| <b>Elec Comp Type</b>   | TRI              |
| <b>Current (Amp)</b>    |                  |
| Load Rated Amp          | 25.3   29.4      |
| Max Cont Current        | 40.7   39.8      |
| Lock Rotor Amp          | 116   126        |
| <b>Fan</b>              |                  |
| Speed (rpm)             | 1365 / 1540      |
| Power (W)               | 620.0            |
| Diameter (mm)           | 500              |
| Protection              | Thermostat       |
| IP Level                | IP54             |
| <b>Condenser</b>        | B500/102000      |
| <b>Liquid Receiver</b>  |                  |
| Capacity (L)            | 12.0             |
| Maximum Pressure (Bars) | 32.0             |
| <b>Suction Line</b>     |                  |
| Suction Type            | Vanne Orientable |
| For Tubing Out Diam     | 34.9 (1"3/8)     |
| Suction Connection Type | Brased           |
| <b>Liquid Line</b>      |                  |
| Liquid Line Type        | Vanne Orientable |
| For Tubing Out Diam     | 22.2 (7/8")      |
| Liquid Connection Type  | Brased           |
| <b>Connection Type</b>  | VR               |
| <b>Fan Guard</b>        | maille < à 8mm   |

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|                        |                                                  |
|------------------------|--------------------------------------------------|
| <b>TAGDT4615ZHR-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°6095</b> |
| 5   T ambience     | 6   T évaporation  | (°C)   | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> | <b>-5</b> | <b>0</b> | <b>5</b> | <b>10</b> | <b>15</b>     |
| <b>25</b>          | 1   P frigorifique | (Watt) | 11167      | 14570      | 18313      | 22359      | 26640     | 31092    | 35688    | 40480     | 45639         |
|                    | 2   P absorbée     | (W)    | 6950       | 7879       | 8874       | 9965       | 11169     | 12498    | 13956    | 15540     | 17241         |
|                    | 3   I absorbée     | (A)    | 13.4       | 14.6       | 16.0       | 17.6       | 19.3      | 21.3     | 23.4     | 25.8      | 28.3          |
|                    | 4   Tc             | (°C)   | 26.6       | 27.5       | 29.2       | 31.6       | 34.5      | 37.7     | 41.1     | 44.5      | 47.8          |
| <b>32</b>          | 1   P frigorifique | (Watt) |            | 12728      | 16233      | 19970      | 23894     | 27968    | 32204    | 36694     | 41657         |
|                    | 2   P absorbée     | (W)    |            | 7960       | 9022       | 10165      | 11411     | 12771    | 14251    | 15852     | 17564         |
|                    | 3   I absorbée     | (A)    |            | 14.8       | 16.3       | 17.9       | 19.7      | 21.7     | 23.8     | 26.2      | 28.7          |
|                    | 4   Tc             | (°C)   |            | 33.9       | 35.4       | 37.5       | 40.1      | 43.0     | 46.0     | 49.1      | 51.9          |
| <b>43</b>          | 1   P frigorifique | (Watt) |            |            | 12813      | 16055      | 19422     | 22923    | 26625    | 30695     | 35436         |
|                    | 2   P absorbée     | (W)    |            |            | 9057       | 10298      | 11623     | 13047    | 14582    | 16226     | 17974         |
|                    | 3   I absorbée     | (A)    |            |            | 16.3       | 18.1       | 20.0      | 22.1     | 24.3     | 26.7      | 29.3          |
|                    | 4   Tc             | (°C)   |            |            | 45.2       | 46.9       | 49.1      | 51.5     | 53.9     | 56.3      | 58.5          |

| <b>50 Hz R404A</b> |                    |        |            |            |            |            |           |          |          |           |               |
|--------------------|--------------------|--------|------------|------------|------------|------------|-----------|----------|----------|-----------|---------------|
|                    |                    |        |            |            |            |            |           |          |          |           | <b>N°5124</b> |
| 5   T ambience     | 6   T évaporation  | (°C)   | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> | <b>-5</b> | <b>0</b> | <b>5</b> | <b>10</b> | <b>15</b>     |
| <b>25</b>          | 1   P frigorifique | (Watt) | 12121      | 15601      | 19402      | 23472      | 27727     | 32087    | 36514    | 41051     | 45864         |
|                    | 2   P absorbée     | (W)    | 7285       | 8232       | 9249       | 10358      | 11575     | 12908    | 14357    | 15916     | 17572         |
|                    | 3   I absorbée     | (A)    | 14.0       | 15.3       | 16.7       | 18.3       | 20.0      | 22.0     | 24.1     | 26.4      | 28.8          |
|                    | 4   Tc             | (°C)   | 29.5       | 30.4       | 32.1       | 34.4       | 37.3      | 40.4     | 43.7     | 47.0      | 50.1          |
| <b>32</b>          | 1   P frigorifique | (Watt) | 10340      | 13665      | 17218      | 20964      | 24845     | 28813    | 32866    | 37088     | 41692         |
|                    | 2   P absorbée     | (W)    | 7318       | 8348       | 9429       | 10589      | 11844     | 13205    | 14672    | 16243     | 17904         |
|                    | 3   I absorbée     | (A)    | 14.1       | 15.5       | 17.0       | 18.6       | 20.4      | 22.4     | 24.5     | 26.8      | 29.3          |
|                    | 4   Tc             | (°C)   | 36.0       | 36.7       | 38.1       | 40.2       | 42.7      | 45.5     | 48.5     | 51.3      | 54.0          |
| <b>43</b>          | 1   P frigorifique | (Watt) |            |            | 13631      | 16867      | 20172     | 23546    | 27042    | 30814     | 35155         |
|                    | 2   P absorbée     | (W)    |            |            | 9520       | 10772      | 12102     | 13521    | 15034    | 16640     | 18330         |
|                    | 3   I absorbée     | (A)    |            |            | 17.2       | 18.9       | 20.8      | 22.9     | 25.1     | 27.4      | 29.9          |
|                    | 4   Tc             | (°C)   |            |            | 47.7       | 49.3       | 51.3      | 53.6     | 55.9     | 58.2      | 60.2          |

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

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|                        |                                                  |
|------------------------|--------------------------------------------------|
| <b>TAGDT4615ZHR-TZ</b> | <b>Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz</b> |
|------------------------|--------------------------------------------------|

Les performances sont données dans les **conditions EN13215** :  
Condition Dew

Gaz aspirés : 20.0 °C  
Sous refroidissement : 3.0 K

The performance data are in **EN13215 conditions** :  
Dew Condition

Return gas : 20.0 °C  
Subcooling : 3.0 K

## 50 Hz R449A (\*)

**N°5715**

| 5   T ambience | 6   T évaporation  | (°C)   | -25  | -20   | -15   | -10   | -5    | 0     | 5     | 10    | 15    |
|----------------|--------------------|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>25</b>      | 1   P frigorifique | (Watt) | 8815 | 12206 | 15945 | 20064 | 24575 | 29495 | 34864 | 40756 | 47293 |
|                | 2   P absorbée     | (W)    | 6436 | 7183  | 8064  | 9078  | 10230 | 11521 | 12952 | 14518 | 16208 |
|                | 3   I absorbée     | (A)    | 12.4 | 13.4  | 14.6  | 16.0  | 17.7  | 19.6  | 21.7  | 24.1  | 26.6  |
|                | 4   Tc             | (°C)   | 26.9 | 27.8  | 29.5  | 32.0  | 34.9  | 38.1  | 41.5  | 45.0  | 48.2  |
| <b>32</b>      | 1   P frigorifique | (Watt) |      | 10747 | 14219 | 18034 | 22225 | 26828 | 31903 | 37549 | 43907 |
|                | 2   P absorbée     | (W)    |      | 7374  | 8266  | 9298  | 10469 | 11779 | 13227 | 14808 | 16511 |
|                | 3   I absorbée     | (A)    |      | 13.7  | 14.9  | 16.4  | 18.1  | 20.0  | 22.1  | 24.5  | 27.0  |
|                | 4   Tc             | (°C)   |      | 34.3  | 35.8  | 37.9  | 40.5  | 43.5  | 46.5  | 49.5  | 52.3  |
| <b>43</b>      | 1   P frigorifique | (Watt) |      |       | 11424 | 14773 | 18473 | 22593 | 27224 | 32496 |       |
|                | 2   P absorbée     | (W)    |      |       | 8512  | 9552  | 10741 | 12074 | 13548 | 15158 |       |
|                | 3   I absorbée     | (A)    |      |       | 15.4  | 16.8  | 18.5  | 20.5  | 22.6  | 25.0  |       |
|                | 4   Tc             | (°C)   |      |       | 45.7  | 47.4  | 49.5  | 51.9  | 54.4  | 56.7  |       |

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**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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