



Compressor  
Voltage Code : FZ

AE4460Z-FZ1C

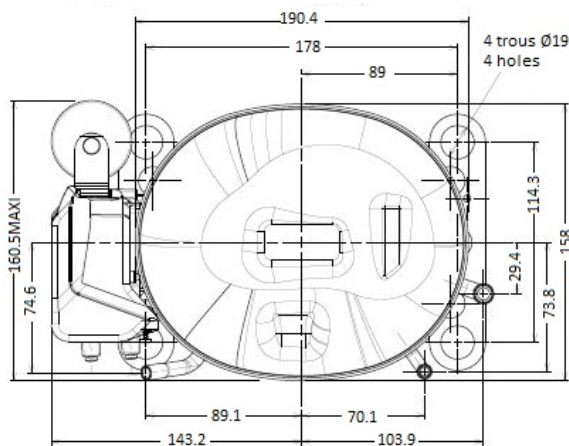
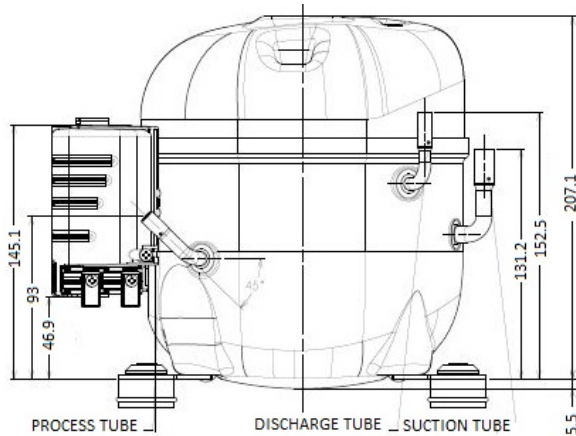
High Temp. Commercial (HP)

220 - 240V 1~ 50 Hz

R452A / R404A / R448A / R449A

AE4460Z-FZ1C

| Conditions      | Frequency | Nominal Cooling Capacity |       | Sound Power<br>ISO3745 / ISO 3743-1 |
|-----------------|-----------|--------------------------|-------|-------------------------------------|
|                 |           | Watts                    | BTU/h |                                     |
| EN12900 / R452A | 50 Hz     | 1366                     | 4660  | 61 dBA                              |
| EN12900 / R404A | 50 Hz     | 1363                     | 4648  | 61 dBA                              |
| EN12900 / R448A | 50 Hz     | 1368                     | 4664  | 61 dBA                              |
| EN12900 / R449A | 50 Hz     | 1368                     | 4664  | 61 dBA                              |



\* EN12900 : T°Cond. 50.0°C / T°Evap. 5.0°C / T°Return gas temp.. 20.0°C  
T°Subcooling. 0.0K

Certificates :



|  |                                |
|--|--------------------------------|
| <b>Displacement (cc)</b>               | 10.33                          |
| <b>Net Weight (Kg)</b>                 | 11.5                           |
| <b>Oil Quantity (cc)</b>               | 380.0                          |
| <b>Oil Type</b>                        | Polyolester                    |
| <b>Expansion Device</b>                | Capillary_Tube/Expansion_Valve |
| <b>Cooling</b>                         | Fan                            |
| <b>Main Winding (Ohm)</b>              | 3.49                           |
| <b>Start Winding (Ohm)</b>             | 19.12                          |
| <b>Current</b>                         |                                |
| RLA (A)                                | 4.3                            |
| LRA (A)                                | 19.0                           |
| <b>Electrical Equipment</b>            | CSIR                           |
| <b>Overload</b>                        | T8107                          |
| Time Check                             | 6.5s - 16s / 12.50 A           |
| Open Temp                              | 135° C                         |
| Close Temp                             | 61° C                          |
| <b>Start Capacitor</b>                 | 64 µF / 330 V                  |
| <b>Current Relay</b>                   | RP54**                         |
| Pick Up                                | 10.50A                         |
| Drop Out                               | 8.9A                           |
| <b>Refrigerating connection for OD</b> |                                |
| Suction Tube                           | 9.5 (3/8")                     |
| Discharge Tube                         | 6.35 (1/4")                    |
| Process Tube                           | 6.35 (1/4")                    |

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**Tecumseh**

|                     |   |
|---------------------|---|
| <b>AE4460Z-FZ1C</b> | <b>Tension FZ : 220 - 240V 1~ 50 Hz</b> |
|---------------------|---|

|  |                        |         |
|--|------------------------|---------|
| Les performances sont données dans les <b>conditions EN12900</b> : | Gaz aspirés :          | 20.0 °C |
| Condition Dew  | Sous refroidissement : | 0.0 K   |
| The performance data are in <b>EN12900 conditions</b> :            | Return gas :           | 20.0 °C |
| Dew Condition  | Subcooling :           | 0.0 K   |

| <b>50 Hz R452A</b> |                    |        |            |            |            |            |           |          |          |           |               |
|--------------------|--------------------|--------|------------|------------|------------|------------|-----------|----------|----------|-----------|---------------|
|                    |                    |        |            |            |            |            |           |          |          |           | <b>N°3117</b> |
| 4   T condensation | 5   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>30</b>          | 1   P frigorifique | (Watt) | 569        | 716        | 890        | 1095       | 1335      | 1614     | 1937     | 2306      | 2727          |
|                    | 2   P absorbée     | (W)    | 350        | 377        | 405        | 432        | 458       | 483      | 506      | 525       | 542           |
|                    | 3   I absorbée     | (A)    | 2.83       | 2.94       | 3.04       | 3.13       | 3.21      | 3.28     | 3.34     | 3.39      | 3.44          |
| <b>40</b>          | 1   P frigorifique | (Watt) |            | 601        | 756        | 935        | 1142      | 1382     | 1658     | 1975      | 2337          |
|                    | 2   P absorbée     | (W)    |            | 408        | 442        | 476        | 511       | 546      | 579      | 611       | 640           |
|                    | 3   I absorbée     | (A)    |            | 2.95       | 3.11       | 3.25       | 3.39      | 3.51     | 3.63     | 3.73      | 3.82          |
| <b>50</b>          | 1   P frigorifique | (Watt) |            |            | 613        | 765        | 938       | 1137     | 1366     | 1630      | 1931          |
|                    | 2   P absorbée     | (W)    |            |            | 478        | 521        | 564       | 608      | 652      | 695       | 737           |
|                    | 3   I absorbée     | (A)    |            |            | 3.18       | 3.38       | 3.57      | 3.75     | 3.92     | 4.08      | 4.23          |
| <b>60</b>          | 1   P frigorifique | (Watt) |            |            |            | 585        | 723       | 880      | 1060     | 1268      | 1508          |
|                    | 2   P absorbée     | (W)    |            |            |            | 570        | 621       | 675      | 729      | 784       | 838           |
|                    | 3   I absorbée     | (A)    |            |            |            | 3.52       | 3.76      | 4.00     | 4.22     | 4.43      | 4.64          |

| <b>50 Hz R404A</b> |                    |        |            |            |            |            |           |          |          |           |               |
|--------------------|--------------------|--------|------------|------------|------------|------------|-----------|----------|----------|-----------|---------------|
|                    |                    |        |            |            |            |            |           |          |          |           | <b>N°3114</b> |
| 4   T condensation | 5   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>30</b>          | 1   P frigorifique | (Watt) | 606        | 755        | 930        | 1135       | 1374      | 1651     | 1970     | 2334      | 2747          |
|                    | 2   P absorbée     | (W)    | 371        | 398        | 426        | 453        | 479       | 503      | 524      | 543       | 557           |
|                    | 3   I absorbée     | (A)    | 2.99       | 3.10       | 3.20       | 3.28       | 3.35      | 3.41     | 3.47     | 3.50      | 3.53          |
| <b>40</b>          | 1   P frigorifique | (Watt) | 499        | 633        | 787        | 964        | 1168      | 1403     | 1673     | 1981      | 2331          |
|                    | 2   P absorbée     | (W)    | 400        | 432        | 466        | 500        | 534       | 568      | 600      | 630       | 657           |
|                    | 3   I absorbée     | (A)    | 2.97       | 3.13       | 3.28       | 3.42       | 3.54      | 3.65     | 3.76     | 3.85      | 3.93          |
| <b>50</b>          | 1   P frigorifique | (Watt) |            | 505        | 636        | 784        | 952       | 1144     | 1363     | 1614      | 1900          |
|                    | 2   P absorbée     | (W)    |            | 468        | 507        | 548        | 590       | 633      | 675      | 716       | 756           |
|                    | 3   I absorbée     | (A)    |            | 3.17       | 3.37       | 3.56       | 3.74      | 3.90     | 4.06     | 4.20      | 4.33          |
| <b>60</b>          | 1   P frigorifique | (Watt) |            |            | 478        | 596        | 726       | 874      | 1041     | 1233      | 1454          |
|                    | 2   P absorbée     | (W)    |            |            | 556        | 603        | 652       | 703      | 755      | 807       | 859           |
|                    | 3   I absorbée     | (A)    |            |            | 3.48       | 3.72       | 3.95      | 4.17     | 4.37     | 4.57      | 4.75          |

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

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| <b>AE4460Z-FZ1C</b> | <b>Tension FZ : 220 - 240V 1~ 50 Hz</b> |
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|  |                        |         |
|--|------------------------|---------|
| Les performances sont données dans les <b>conditions EN12900</b> : | Gaz aspirés :          | 20.0 °C |
| Condition Dew  | Sous refroidissement : | 0.0 K   |
| The performance data are in <b>EN12900 conditions</b> :            | Return gas :           | 20.0 °C |
| Dew Condition  | Subcooling :           | 0.0 K   |

| <b>50 Hz R448A (*)</b> |                    |        |            |            |            |            |           |          |          |           |               |
|------------------------|--------------------|--------|------------|------------|------------|------------|-----------|----------|----------|-----------|---------------|
|                        |                    |        |            |            |            |            |           |          |          |           | <b>N°3115</b> |
| 4   T condensation     | 5   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>30</b>              | 1   P frigorifique | (Watt) | 501        | 647        | 819        | 1022       | 1261      | 1541     | 1865     | 2239      | 2668          |
|                        | 2   P absorbée     | (W)    | 326        | 351        | 377        | 404        | 430       | 454      | 476      | 495       | 509           |
|                        | 3   I absorbée     | (A)    | 2.63       | 2.74       | 2.83       | 2.92       | 3.01      | 3.08     | 3.15     | 3.20      | 3.23          |
| <b>40</b>              | 1   P frigorifique | (Watt) |            | 546        | 701        | 881        | 1091      | 1336     | 1620     | 1947      | 2324          |
|                        | 2   P absorbée     | (W)    |            | 383        | 414        | 447        | 481       | 514      | 546      | 576       | 603           |
|                        | 3   I absorbée     | (A)    |            | 2.77       | 2.92       | 3.06       | 3.19      | 3.31     | 3.42     | 3.52      | 3.60          |
| <b>50</b>              | 1   P frigorifique | (Watt) |            |            | 577        | 734        | 915       | 1125     | 1368     | 1649      | 1972          |
|                        | 2   P absorbée     | (W)    |            |            | 452        | 492        | 535       | 578      | 621      | 662       | 703           |
|                        | 3   I absorbée     | (A)    |            |            | 3.01       | 3.20       | 3.39      | 3.56     | 3.73     | 3.89      | 4.03          |
| <b>60</b>              | 1   P frigorifique | (Watt) |            |            |            | 586        | 737       | 911      | 1112     | 1346      | 1616          |
|                        | 2   P absorbée     | (W)    |            |            |            | 542        | 594       | 647      | 702      | 756       | 810           |
|                        | 3   I absorbée     | (A)    |            |            |            | 3.34       | 3.59      | 3.83     | 4.06     | 4.28      | 4.49          |

| <b>50 Hz R449A (*)</b> |                    |        |            |            |            |            |           |          |          |           |               |
|------------------------|--------------------|--------|------------|------------|------------|------------|-----------|----------|----------|-----------|---------------|
|                        |                    |        |            |            |            |            |           |          |          |           | <b>N°3116</b> |
| 4   T condensation     | 5   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>30</b>              | 1   P frigorifique | (Watt) | 501        | 647        | 819        | 1022       | 1261      | 1541     | 1865     | 2239      | 2668          |
|                        | 2   P absorbée     | (W)    | 326        | 351        | 377        | 404        | 430       | 454      | 476      | 495       | 509           |
|                        | 3   I absorbée     | (A)    | 2.63       | 2.74       | 2.83       | 2.92       | 3.01      | 3.08     | 3.15     | 3.20      | 3.23          |
| <b>40</b>              | 1   P frigorifique | (Watt) |            | 546        | 701        | 881        | 1091      | 1336     | 1620     | 1947      | 2324          |
|                        | 2   P absorbée     | (W)    |            | 383        | 414        | 447        | 481       | 514      | 546      | 576       | 603           |
|                        | 3   I absorbée     | (A)    |            | 2.77       | 2.92       | 3.06       | 3.19      | 3.31     | 3.42     | 3.52      | 3.60          |
| <b>50</b>              | 1   P frigorifique | (Watt) |            |            | 577        | 734        | 915       | 1125     | 1368     | 1649      | 1972          |
|                        | 2   P absorbée     | (W)    |            |            | 452        | 492        | 535       | 578      | 621      | 662       | 703           |
|                        | 3   I absorbée     | (A)    |            |            | 3.01       | 3.20       | 3.39      | 3.56     | 3.73     | 3.89      | 4.03          |
| <b>60</b>              | 1   P frigorifique | (Watt) |            |            |            | 586        | 737       | 911      | 1112     | 1346      | 1616          |
|                        | 2   P absorbée     | (W)    |            |            |            | 542        | 594       | 647      | 702      | 756       | 810           |
|                        | 3   I absorbée     | (A)    |            |            |            | 3.34       | 3.59      | 3.83     | 4.06     | 4.28      | 4.49          |

**1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = 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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