

# Compresseur

Code Tension : FZ

# AE4470Z-FZ3C

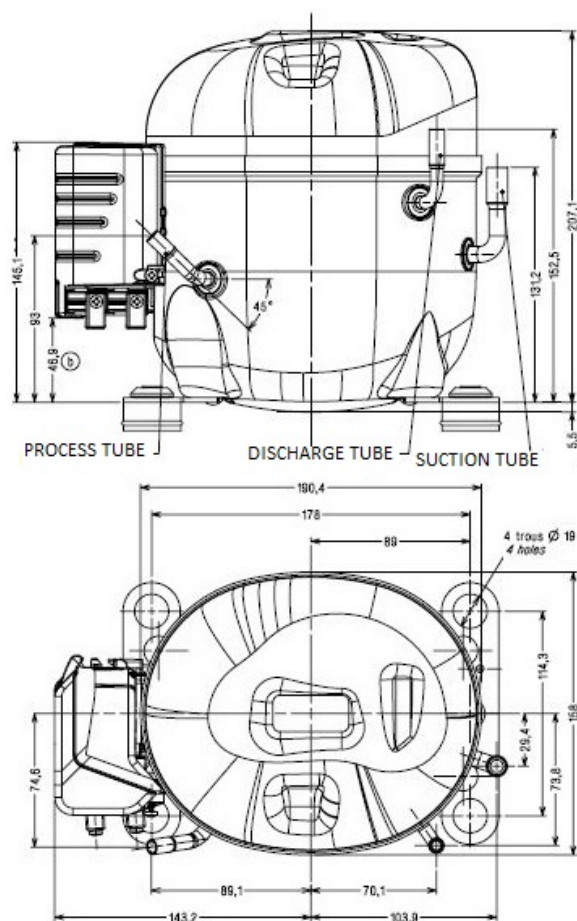
Froid Commercial Positif (HP)

220 - 240V 1~ 50 Hz

R452A / R404A / R448A / R449A

AE4470Z-FZ3C

| Conditions      | Fréquence | Puissance Frigorifique Nominale |       | Puissance sonore<br>ISO3745 / ISO 3743-1 |
|-----------------|-----------|---------------------------------|-------|------------------------------------------|
|                 |           | Watts                           | BTU/h |                                          |
| EN12900 / R452A | 50 Hz     | 1602                            | 5464  | 63 dBA                                   |
| EN12900 / R404A | 50 Hz     | 1598                            | 5450  | 63 dBA                                   |
| EN12900 / R448A | 50 Hz     | 1604                            | 5469  | 63 dBA                                   |
| EN12900 / R449A | 50 Hz     | 1604                            | 5469  | 63 dBA                                   |



\* EN12900 : T°Cond. 50.0°C / T°Evap. 5.0°C / T°Gaz Aspirés. 20.0°C  
T°Sous-refroidissement. 0.0K

Homologations :



|                                       |                      |
|---------------------------------------|----------------------|
| <b>Cylindrée (cc)</b>                 | 12.01                |
| <b>Poids Net (Kg)</b>                 | 12.4                 |
| <b>Quantité d'huile (cc)</b>          | 380.0                |
| <b>Type d'huile</b>                   | P.O.E                |
| <b>Détente</b>                        | Capillaire/Détendeur |
| <b>Refroidissement</b>                | Ventilé              |
| <b>Phase Principale (Ohm)</b>         | 4.8                  |
| <b>Phase Auxiliaire (Ohm)</b>         | 11.4                 |
| <b>Intensité</b>                      |                      |
| Nominale (A)                          | 3.7                  |
| Maximale (A)                          | 5.3                  |
| Démarrage (A)                         | 19.3                 |
| <b>Type Appareillage Electrique</b>   | CSR                  |
| <b>Protecteur</b>                     | MSP28APW             |
| Temporisation                         | 2.8s - 5.2s / 19.5 A |
| T° Ouverture                          | 135° C               |
| T° Fermeture                          | 61° C                |
| Optionel                              | T0617                |
| <b>Condensateur de Démarrage</b>      | 88 µF / 250 V        |
| <b>Condensateur Permanent</b>         | 20 µF / 400 V        |
| <b>Relais Potentiel</b>               | RVA6M**              |
| Enclenchement                         | 239/268V             |
| Déclenchement                         | 60/135V              |
| Optionel                              | /                    |
| <b>Raccordement Frigorifique pour</b> |                      |
| Ø Tube d'Aspiration                   | 9.5 (3/8")           |
| Ø Tube de Refoulement                 | 6.35 (1/4")          |
| Ø Tube de Charge                      | 6.35 (1/4")          |

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|                     |                                         |
|---------------------|-----------------------------------------|
| <b>AE4470Z-FZ3C</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°2073</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) | 657        | 836        | 1041       | 1279       | 1554      | 1870     | 2234     | 2649      | 3122          |
|                    | 2   P absorbée     | (W)    | 433        | 466        | 496        | 524        | 550       | 574      | 597      | 619       | 641           |
|                    | 3   I absorbée     | (A)    | 1.99       | 2.15       | 2.29       | 2.42       | 2.53      | 2.63     | 2.73     | 2.80      | 2.87          |
| <b>40</b>          | 1   P frigorifique | (Watt) |            | 704        | 890        | 1100       | 1339      | 1613     | 1927     | 2285      | 2692          |
|                    | 2   P absorbée     | (W)    |            | 491        | 531        | 569        | 604       | 637      | 668      | 699       | 728           |
|                    | 3   I absorbée     | (A)    |            | 2.25       | 2.44       | 2.62       | 2.79      | 2.94     | 3.08     | 3.21      | 3.33          |
| <b>50</b>          | 1   P frigorifique | (Watt) |            |            | 731        | 911        | 1113      | 1342     | 1602     | 1900      | 2239          |
|                    | 2   P absorbée     | (W)    |            |            | 559        | 609        | 655       | 699      | 741      | 781       | 820           |
|                    | 3   I absorbée     | (A)    |            |            | 2.57       | 2.80       | 3.02      | 3.22     | 3.42     | 3.60      | 3.77          |
| <b>60</b>          | 1   P frigorifique | (Watt) |            |            |            | 714        | 876       | 1056     | 1261     | 1496      | 1765          |
|                    | 2   P absorbée     | (W)    |            |            |            | 641        | 701       | 758      | 813      | 865       | 915           |
|                    | 3   I absorbée     | (A)    |            |            |            | 2.96       | 3.22      | 3.48     | 3.73     | 3.96      | 4.18          |

| <b>50 Hz R404A</b> |                    |        |            |            |            |            |           |          |          |           |                   |
|--------------------|--------------------|--------|------------|------------|------------|------------|-----------|----------|----------|-----------|-------------------|
|                    |                    |        |            |            |            |            |           |          |          |           | <b>N°223LT-FZ</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) | 701        | 881        | 1088       | 1325       | 1599      | 1913     | 2272     | 2681      | 3145              |
|                    | 2   P absorbée     | (W)    | 458        | 491        | 521        | 549        | 574       | 597      | 619      | 640       | 660               |
|                    | 3   I absorbée     | (A)    | 2.11       | 2.26       | 2.40       | 2.53       | 2.64      | 2.74     | 2.83     | 2.90      | 2.95              |
| <b>40</b>          | 1   P frigorifique | (Watt) | 575        | 741        | 926        | 1134       | 1370      | 1638     | 1943     | 2291      | 2685              |
|                    | 2   P absorbée     | (W)    | 477        | 520        | 560        | 597        | 631       | 663      | 693      | 721       | 748               |
|                    | 3   I absorbée     | (A)    | 2.18       | 2.39       | 2.58       | 2.75       | 2.91      | 3.06     | 3.19     | 3.31      | 3.42              |
| <b>50</b>          | 1   P frigorifique | (Watt) |            | 598        | 759        | 934        | 1129      | 1349     | 1598     | 1881      | 2203              |
|                    | 2   P absorbée     | (W)    |            | 541        | 593        | 641        | 686       | 728      | 767      | 805       | 841               |
|                    | 3   I absorbée     | (A)    |            | 2.49       | 2.73       | 2.95       | 3.16      | 3.36     | 3.54     | 3.71      | 3.86              |
| <b>60</b>          | 1   P frigorifique | (Watt) |            |            | 587        | 728        | 880       | 1049     | 1239     | 1455      | 1702              |
|                    | 2   P absorbée     | (W)    |            |            | 617        | 678        | 736       | 791      | 842      | 891       | 938               |
|                    | 3   I absorbée     | (A)    |            |            | 2.85       | 3.13       | 3.39      | 3.63     | 3.86     | 4.08      | 4.28              |

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

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|                     |                                         |
|---------------------|-----------------------------------------|
| <b>AE4470Z-FZ3C</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°2814</b>          |                    |        |      |      |      |      |      |      |      |      |      |
| 4   T condensation     | 5   T évaporation  | (°C)   | -25  | -20  | -15  | -10  | -5   | 0    | 5    | 10   | 15   |
| <b>30</b>              | 1   P frigorifique | (Watt) | 579  | 755  | 958  | 1193 | 1467 | 1785 | 2151 | 2573 | 3054 |
|                        | 2   P absorbée     | (W)    | 403  | 434  | 462  | 489  | 515  | 539  | 562  | 583  | 603  |
|                        | 3   I absorbée     | (A)    | 1.86 | 2.00 | 2.13 | 2.26 | 2.37 | 2.47 | 2.57 | 2.64 | 2.70 |
| <b>40</b>              | 1   P frigorifique | (Watt) |      | 639  | 824  | 1036 | 1279 | 1559 | 1882 | 2252 | 2676 |
|                        | 2   P absorbée     | (W)    |      | 461  | 499  | 534  | 568  | 600  | 631  | 659  | 686  |
|                        | 3   I absorbée     | (A)    |      | 2.11 | 2.29 | 2.46 | 2.62 | 2.77 | 2.91 | 3.03 | 3.14 |
| <b>50</b>              | 1   P frigorifique | (Watt) |      |      | 689  | 875  | 1086 | 1327 | 1604 | 1922 | 2287 |
|                        | 2   P absorbée     | (W)    |      |      | 528  | 576  | 621  | 665  | 706  | 744  | 781  |
|                        | 3   I absorbée     | (A)    |      |      | 2.43 | 2.65 | 2.86 | 3.06 | 3.25 | 3.43 | 3.59 |
| <b>60</b>              | 1   P frigorifique | (Watt) |      |      |      | 715  | 892  | 1093 | 1323 | 1588 | 1893 |
|                        | 2   P absorbée     | (W)    |      |      |      | 610  | 670  | 728  | 782  | 835  | 885  |
|                        | 3   I absorbée     | (A)    |      |      |      | 2.81 | 3.08 | 3.34 | 3.59 | 3.82 | 4.04 |

| <b>50 Hz R449A (*)</b> |                    |        |      |      |      |      |      |      |      |      |      |
|------------------------|--------------------|--------|------|------|------|------|------|------|------|------|------|
| <b>N°2188</b>          |                    |        |      |      |      |      |      |      |      |      |      |
| 4   T condensation     | 5   T évaporation  | (°C)   | -25  | -20  | -15  | -10  | -5   | 0    | 5    | 10   | 15   |
| <b>30</b>              | 1   P frigorifique | (Watt) | 579  | 755  | 958  | 1193 | 1467 | 1785 | 2151 | 2573 | 3054 |
|                        | 2   P absorbée     | (W)    | 403  | 434  | 462  | 489  | 515  | 539  | 562  | 583  | 603  |
|                        | 3   I absorbée     | (A)    | 1.86 | 2.00 | 2.13 | 2.26 | 2.37 | 2.47 | 2.57 | 2.64 | 2.70 |
| <b>40</b>              | 1   P frigorifique | (Watt) |      | 639  | 824  | 1036 | 1279 | 1559 | 1882 | 2252 | 2676 |
|                        | 2   P absorbée     | (W)    |      | 461  | 499  | 534  | 568  | 600  | 631  | 659  | 686  |
|                        | 3   I absorbée     | (A)    |      | 2.11 | 2.29 | 2.46 | 2.62 | 2.77 | 2.91 | 3.03 | 3.14 |
| <b>50</b>              | 1   P frigorifique | (Watt) |      |      | 689  | 875  | 1086 | 1327 | 1604 | 1922 | 2287 |
|                        | 2   P absorbée     | (W)    |      |      | 528  | 576  | 621  | 665  | 706  | 744  | 781  |
|                        | 3   I absorbée     | (A)    |      |      | 2.43 | 2.65 | 2.86 | 3.06 | 3.25 | 3.43 | 3.59 |
| <b>60</b>              | 1   P frigorifique | (Watt) |      |      |      | 715  | 892  | 1093 | 1323 | 1588 | 1893 |
|                        | 2   P absorbée     | (W)    |      |      |      | 610  | 670  | 728  | 782  | 835  | 885  |
|                        | 3   I absorbée     | (A)    |      |      |      | 2.81 | 3.08 | 3.34 | 3.59 | 3.82 | 4.04 |

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 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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