



Compressor
Voltage Code : FZ

AE4470Z-FZ3C

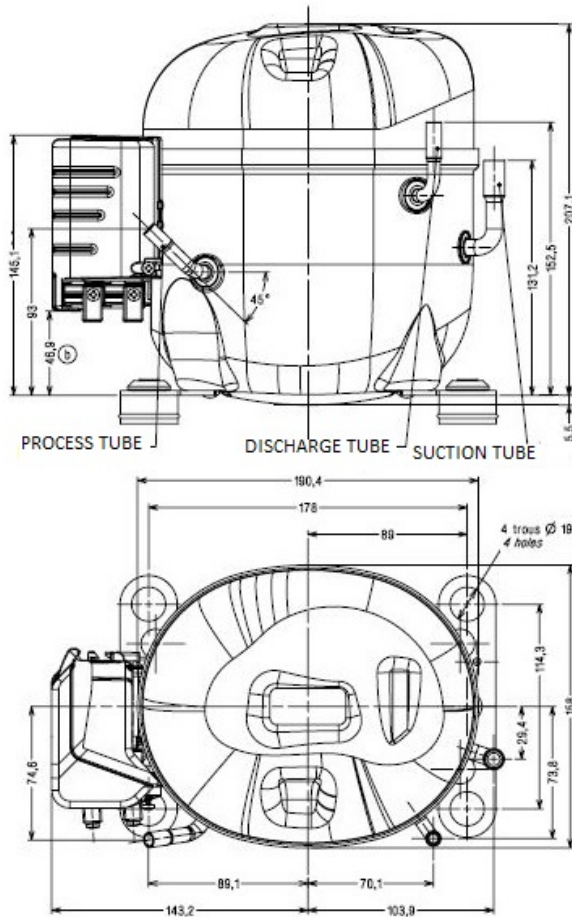
High Temp. Commercial (HP)

220 - 240V 1~ 50 Hz

R452A / R404A / R448A / R449A

AE4470Z-FZ3C

| Conditions | Frequency | Nominal Cooling Capacity | | Sound Power ISO3745 / ISO 3743-1 |
|--------------------|-----------|--------------------------|-------|-------------------------------------|
| | | Watts | BTU/h | |
| EN12900_HP / R452A | 50 Hz | 1602 | 5464 | 64 dBA |
| EN12900_HP / R404A | 50 Hz | 1598 | 5450 | 64 dBA |
| EN12900_HP / R448A | 50 Hz | 1604 | 5469 | 64 dBA |
| EN12900_HP / R449A | 50 Hz | 1604 | 5469 | 64 dBA |



* EN12900_HP : T°Cond. 50.0°C / T°Evap. 5.0°C / T°Return gas temp.. 20.0°C
T°Subcooling. 0.0K

Certificates :



| | |
|--|--------------------------------|
| Displacement (cc) | 12,01 |
| Net Weight (Kg) | 12.3 |
| Oil Quantity (cc) | 380.0 |
| Oil Type | Polyolester |
| Expansion Device | Capillary_Tube/Expansion_Valve |
| Cooling | Fan |
| Main Winding (Ohm) | 4.86 |
| Start Winding (Ohm) | 12.16 |
| Current | |
| RLA (A) | 3.9 |
| LRA (A) | 18.2 |
| Electrical Equipment | CSR |
| Overload | MSP28APW |
| Time Check | 2.8s - 5.2s / 19.5 A |
| Open Temp | 135° C |
| Close Temp | 61° C |
| Start Capacitor | 88 µF / 330 V |
| Run Capacitor | 20 µF / 400 V |
| Potential Relay | RVA6M** |
| Pick Up | 239/268V |
| Drop Out | 60/135V |
| Refrigerating connection for OD | |
| Suction Tube | 9.5 (3/8") |
| Discharge Tube | 6.35 (1/4") |
| Process Tube | 6.35 (1/4") |

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



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| AE4470Z-FZ3C | Tension FZ : 220 - 240V 1~ 50 Hz |
|---------------------|---|

| | | |
|---|------------------------|---------|
| Les performances sont données dans les conditions EN12900_HP : | Gaz aspirés : | 20.0 °C |
| Condition Dew | Sous refroidissement : | 0.0 K |
| The performance data are in EN12900_HP conditions : | Return gas : | 20.0 °C |
| Dew Condition | Subcooling : | 0.0 K |

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| 50 Hz R452A | | | | | | | | | | | |
|--------------------|--------------------|--------|------------|------------|------------|------------|-----------|----------|----------|-----------|---------------|
| | | | | | | | | | | | N°3137 |
| 4 T condensation | 5 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
| 30 | 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 |
| 40 | 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 |
| 50 | 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 |
| 60 | 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 |

| 50 Hz R404A | | | | | | | | | | | |
|--------------------|--------------------|--------|------------|------------|------------|------------|-----------|----------|----------|-----------|---------------|
| | | | | | | | | | | | N°3135 |
| 4 T condensation | 5 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
| 30 | 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 |
| 40 | 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 |
| 50 | 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 |
| 60 | 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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| AE4470Z-FZ3C | Tension FZ : 220 - 240V 1~ 50 Hz |
|---------------------|---|

| | | |
|---|------------------------|---------|
| Les performances sont données dans les conditions EN12900_HP : | Gaz aspirés : | 20.0 °C |
| Condition Dew | Sous refroidissement : | 0.0 K |
| The performance data are in EN12900_HP conditions : | Return gas : | 20.0 °C |
| Dew Condition | Subcooling : | 0.0 K |

| 50 Hz R448A (*) | | | | | | | | | | | |
|------------------------|--------------------|--------|------|------|------|------|------|------|------|------|---------------|
| | | | | | | | | | | | N°3136 |
| 4 T condensation | 5 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
| 30 | 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 |
| 40 | 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 |
| 50 | 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 |
| 60 | 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 |

| 50 Hz R449A (*) | | | | | | | | | | | |
|------------------------|--------------------|--------|------|------|------|------|------|------|------|------|---------------|
| | | | | | | | | | | | N°3134 |
| 4 T condensation | 5 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
| 30 | 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 |
| 40 | 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 |
| 50 | 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 |
| 60 | 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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