



Compressor
Voltage Code : FZ

AE2415Z-FZ1B

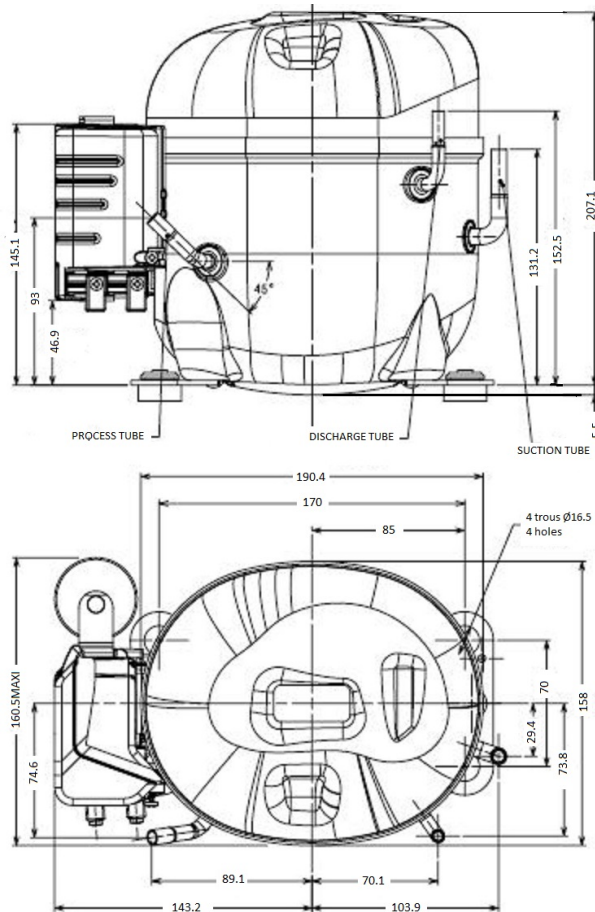
Low Temp. Commercial (BP)

220 - 240V 1~ 50 Hz

R452A / R404A / R448A / R449A

AE2415Z-FZ1B_BR

| Conditions | Frequency | Nominal Cooling Capacity | | Sound Power ISO3745 / ISO 3743-1 |
|-----------------|-----------|--------------------------|-------|-------------------------------------|
| | | Watts | BTU/h | |
| EN12900 / R452A | 50 Hz | 178 | 606 | |
| EN12900 / R404A | 50 Hz | 194 | 663 | |
| EN12900 / R448A | 50 Hz | 151 | 515 | |
| EN12900 / R449A | 50 Hz | 151 | 515 | |



| | |
|--|-----------------------------------|
| Displacement (cc) | 7.33 |
| Net Weight (Kg) | 10.4 |
| Oil Quantity (cc) | 280.0 |
| Oil Type | Polyolester |
| Expansion Device | Capillary_Tube or Expansion_Valve |
| Cooling | Fan |
| Main Winding (Ohm) | 9.3 |
| Start Winding (Ohm) | 15.82 |
| Current | |
| RLA (A) | 1.9 |
| LRA (A) | 12.5 |
| Electrical Equipment | CSIR |
| Overload | T4111 |
| Time Check | 6.5s - 16s / 9.40 A |
| Open Temp | 105° C |
| Close Temp | 61° C |
| Start Capacitor | 72 µF / 330 V |
| Current Relay | RP40** |
| Pick Up | 5.30A |
| Drop Out | 4.45A |
| Refrigerating connection for OD | |
| Suction Tube | 6.35 (1/4") |
| Discharge Tube | 4.76 (3/16") |
| Process Tube | 6.35 (1/4") |

* EN12900 : T°Cond. 40.0°C / T°Evap. -35.0°C / T°Return gas temp.. 20.0°C
T°Subcooling. 0.0K

Certificates :



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



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| | |
|---------------------|---|
| AE2415Z-FZ1B | Tension FZ : 220 - 240V 1~ 50 Hz |
|---------------------|---|

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

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50 Hz R452A

N°2988

| 4 T condensation | 5 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| 30 | 1 P frigorifique | (Watt) | 158 | 216 | 289 | 377 | 481 | 604 | 746 |
| | 2 P absorbée | (W) | 168 | 193 | 219 | 244 | 268 | 290 | 310 |
| | 3 I absorbée | (A) | 1.47 | 1.54 | 1.61 | 1.69 | 1.76 | 1.84 | 1.91 |
| 40 | 1 P frigorifique | (Watt) | 125 | 178 | 241 | 318 | 409 | 516 | 640 |
| | 2 P absorbée | (W) | 172 | 200 | 229 | 257 | 286 | 312 | 337 |
| | 3 I absorbée | (A) | 1.46 | 1.54 | 1.63 | 1.72 | 1.81 | 1.90 | 1.99 |
| 50 | 1 P frigorifique | (Watt) | | 138 | 192 | 257 | 334 | 424 | 529 |
| | 2 P absorbée | (W) | | 203 | 235 | 268 | 300 | 332 | 361 |
| | 3 I absorbée | (A) | | 1.54 | 1.64 | 1.74 | 1.85 | 1.96 | 2.06 |
| 60 | 1 P frigorifique | (Watt) | | | | 194 | 256 | 329 | 415 |
| | 2 P absorbée | (W) | | | | 276 | 312 | 348 | 383 |
| | 3 I absorbée | (A) | | | | 1.77 | 1.88 | 2.00 | 2.12 |

50 Hz R404A



N°2989

| 4 T condensation | 5 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| 30 | 1 P frigorifique | (Watt) | 175 | 237 | 312 | 402 | 508 | 632 | 774 |
| | 2 P absorbée | (W) | 183 | 207 | 232 | 256 | 281 | 306 | 331 |
| | 3 I absorbée | (A) | 1.60 | 1.64 | 1.70 | 1.77 | 1.85 | 1.94 | 2.04 |
| 40 | 1 P frigorifique | (Watt) | 139 | 194 | 260 | 338 | 429 | 535 | 658 |
| | 2 P absorbée | (W) | 186 | 215 | 244 | 274 | 305 | 336 | 369 |
| | 3 I absorbée | (A) | 1.58 | 1.65 | 1.74 | 1.83 | 1.93 | 2.05 | 2.17 |
| 50 | 1 P frigorifique | (Watt) | | 151 | 207 | 272 | 348 | 437 | 539 |
| | 2 P absorbée | (W) | | 217 | 252 | 288 | 326 | 364 | 403 |
| | 3 I absorbée | (A) | | 1.65 | 1.76 | 1.88 | 2.01 | 2.15 | 2.30 |
| 60 | 1 P frigorifique | (Watt) | | | 152 | 204 | 265 | 335 | 417 |
| | 2 P absorbée | (W) | | | 257 | 299 | 343 | 389 | 437 |
| | 3 I absorbée | (A) | | | 1.77 | 1.92 | 2.07 | 2.24 | 2.41 |

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

Nota : Tecumseh se réserve le droit de modifier les informations contenues dans ce document sans préavis.

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| AE2415Z-FZ1B | Tension FZ : 220 - 240V 1~ 50 Hz |
|---------------------|---|

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

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50 Hz R448A (*)

N°2987

| 4 T condensation | 5 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| 30 | 1 P frigorifique | (Watt) | 127 | 185 | 256 | 343 | 447 | 571 | 715 |
| | 2 P absorbée | (W) | 156 | 179 | 202 | 225 | 249 | 273 | 299 |
| | 3 I absorbée | (A) | 1.36 | 1.42 | 1.49 | 1.56 | 1.64 | 1.73 | 1.84 |
| 40 | 1 P frigorifique | (Watt) | 100 | 151 | 214 | 290 | 382 | 491 | 618 |
| | 2 P absorbée | (W) | 158 | 186 | 214 | 242 | 271 | 300 | 331 |
| | 3 I absorbée | (A) | 1.34 | 1.43 | 1.52 | 1.62 | 1.72 | 1.83 | 1.95 |
| 50 | 1 P frigorifique | (Watt) | | 119 | 173 | 239 | 318 | 412 | 523 |
| | 2 P absorbée | (W) | | 188 | 222 | 256 | 291 | 326 | 363 |
| | 3 I absorbée | (A) | | 1.43 | 1.54 | 1.67 | 1.79 | 1.93 | 2.07 |
| 60 | 1 P frigorifique | (Watt) | | | | 192 | 258 | 338 | 433 |
| | 2 P absorbée | (W) | | | | 265 | 307 | 350 | 394 |
| | 3 I absorbée | (A) | | | | 1.70 | 1.85 | 2.01 | 2.18 |

50 Hz R449A (*)

N°2986

| 4 T condensation | 5 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| 30 | 1 P frigorifique | (Watt) | 127 | 185 | 256 | 343 | 447 | 571 | 715 |
| | 2 P absorbée | (W) | 156 | 179 | 202 | 225 | 249 | 273 | 299 |
| | 3 I absorbée | (A) | 1.36 | 1.42 | 1.49 | 1.56 | 1.64 | 1.73 | 1.84 |
| 40 | 1 P frigorifique | (Watt) | 100 | 151 | 214 | 290 | 382 | 491 | 618 |
| | 2 P absorbée | (W) | 158 | 186 | 214 | 242 | 271 | 300 | 331 |
| | 3 I absorbée | (A) | 1.34 | 1.43 | 1.52 | 1.62 | 1.72 | 1.83 | 1.95 |
| 50 | 1 P frigorifique | (Watt) | | 119 | 173 | 239 | 318 | 412 | 523 |
| | 2 P absorbée | (W) | | 188 | 222 | 256 | 291 | 326 | 363 |
| | 3 I absorbée | (A) | | 1.43 | 1.54 | 1.67 | 1.79 | 1.93 | 2.07 |
| 60 | 1 P frigorifique | (Watt) | | | | 192 | 258 | 338 | 433 |
| | 2 P absorbée | (W) | | | | 265 | 307 | 350 | 394 |
| | 3 I absorbée | (A) | | | | 1.70 | 1.85 | 2.01 | 2.18 |

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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