

# **compressor, R134a, AE4430Y-FZ, HERMÉTIQUE-TECUMSEH, 220-240V 50Hz, 1/4HP++, HMBP, 1/3HP, 337W, AEZ4430Y**

written by Lilianne | 7 December 2021

Compressor Tecumseh L` Unite AEZ4430Y/AE4430Y, HBP – R134a, 220 – 240V, 50 Hz, 1 phase \*Warning – equivalent goods: AE4430Y will be delivered

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|                        |                     |
|------------------------|---------------------|
| Refrigerant:           | R134a               |
| Power range(W):        | 701 – 1000 W        |
| Connecting size:       | 3/16"               |
| Suction:               | 1/4"                |
| Working area:          | HBP                 |
| Design type:           | Hermetic            |
| Model series:          | AE                  |
| Use with:              | Expansion/Capillary |
| Power supply:          | 230 V               |
| Oil type:              | POE                 |
| Engine type:           | CSIR                |
| Article condition:     | New                 |
| Info:                  | Oil filled          |
| Shipping weight:       | 12,20 Kg            |
| Contents:              | 1,00 Pieces         |
| Dimensions ( height ): | 19,90 cm            |
| customs tariff number: | 84143081            |

|                                   |                              |
|-----------------------------------|------------------------------|
| Manufacturer:                     | Tecumseh L` Unite            |
| Model:                            | AEZ4430Y                     |
| Stroke volume (cm <sup>3</sup> ): | 8,8                          |
| Performance condition:            | +5 / +50 °C                  |
| Power (W):                        | 768                          |
| Engine type:                      | CSIR                         |
| dbA @ 1m:                         | 50                           |
| Note:                             | Fan cooling necessary        |
| Equipment:                        | Start-Capacitor 50 uF / 250V |
| Oil quantity (l):                 | 0,35                         |
| Compressor type:                  | Piston                       |
| Suction (inch):                   | 1/4                          |
| Discharge (inch):                 | 3/16                         |
| Alternative:                      | AE4430Y                      |





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Mbsm\_dot\_pro\_private\_PDF\_AEZ4430YTélécharger  
Compressor Tecumseh L` Unite AE4430Y/AEZ4430Y, HBP – R134a,

220 – 240V, 50 Hz, 1 phase, discharge: 8.02 cm<sup>3</sup>, oil type: POE, oil charge: 280 cm<sup>3</sup>, electrical equipment CSIR, cooling power: 702 W at +5 / +50 °C, connection: suction: 1/4 inch, discharge: 3/16 inch, sound level: 56 dBA, start capacitor: 50uF/250V, expansion device: capillary or with expansion valve, cooling: forced, height: 200 mm, weight: 9.7 kg

|  |        |  |                    |  |          |  |                       |
|---|--------|---|--------------------|--|----------|---|-----------------------|
| CODE CD   | TYPE   | CODE CD   | TYPE               | CODE CD  | TYPE     | CODE CD   | TYPE                  |
| FRD255  | ML60TB | FRD696  | FRD6CL             | VD6063   | NB6165GK | BTD2876   | AEZ4430Z              |
| FRD137  | GP14TB | -   | NL11MF             | -  | NE6210Z  | FRD464  | CAE4440Y              |
| VD6043  | GP12TB | FRD463  | FRG11-<br>NL10MF   | SOMD1432   | NE6187Z  | -   | -                     |
| FRD256  | ML80TB | -   | NL7MLX             | -  | NE6181GK | BTD2742   | AEZ4440Z              |
| MED2302   | MP14TP | -   | -                  | FRD158   | T6217GK  | FRD443  | CAE9470Z              |
| FRD257  | ML90TB | -   | -                  | -  | NE6210GK | FRD442  | CAE4450Z              |
| PLD1803   | GL45TB | FRD333  | TL5G               | -  | BP6125H  | CHD2658   | THB4415Y              |
| ISD1007   | MR22FB | FRLD2643  | SC21CL             | SOMD17676  | T2180GK  | MED2261   | CAJ2440Z              |
| FRD665  | MX18FB | FRD271  | SC15CL             | -  | T2168GK  | PLD1781   | CAJ2428Z              |
| ITD281  | ML45TB | -   | -                  | -  | NB6144GK | FRD254  | AEZ4425Z              |
| VD6041  | GL90TB | FRD128  | FR10G-<br>NL8.4MF  | FRD130   | NE6170Z  | FRD501  | AEZ4430Y              |
| ITD284  | MP12TB | -   | SC10MLX            | FRD144   | NE9213GK | INF2116   | CAE9460Z              |
| -   | GP12FB | FRD463  | FR11G              | FRD140   | NE2121Z  | -   | AEZ2410Y              |
| FRD695  | MS34FB | -   | -                  | FRD467   | N2212GK  | MARD1027  | CAJ2464Z              |
| -   | MX16TB | -   | SC15MLX            | FRD156   | T6220GK  | VD6062  | CAJ9480Z              |
| SOMD17024   | MX18TB | BTD2337   | SC18MLX            | FRD159   | T6222GK  | FRD444  | CAJ9510Z              |
| PLD1805   | GL80TB | SOMD10205   | FR7.5G-<br>NL7.3MF | -  | NE6160Z  | FXD1075   | AEZ4425Y              |
| -   | GL80PB | SOMD10205   | FR7.5G-<br>NL7.3MF | -  | NE5160Z  | -   | -                     |
| GVD66397  | MP12FB | ICD6006   | SC12CL             | FRLD2524   | T2155GK  | -   | CAE2420Z              |
| PLD1807   | GL60TB | FRLD2624  | NL6.1MF            | IAD1434  | NB6144Z  | SOMD17679   | THB4419Y-<br>THB4422Y |
| VD6022  | GL90AA | -   | NLE9F              | FRD142   | NB2118Z  | -   | AEZ2380Y              |

|  |        |  |                   |  |           |  |                       |
|---|--------|---|-------------------|--|-----------|---|-----------------------|
| CODE CD   | TYPE   | CODE CD   | TYPE              | CODE CD  | TYPE      | CODE CD   | TYPE                  |
| -   | GL40PB | -   | -                 | FRD 135  | BF5132H   | -   | -                     |
| MED2303   | MX21FB | VD6019  | SC18CL            | FRD 164  | T2178GK   | PLD1782   | CAJ2432Z              |
| -   | MS26FB | -   | GS26CLX           | FRD 154  | NJ2192GK  | PLD1784   | CAJ2446Z              |
| VD6040  | L76TN  | -   | -                 | -  | NE6181E   | -   | AEZ4440E              |
| IAD 1475  | ML80FB | IAD1448   | FR8.5CL           | FRD157   | NE2125GK  | ARD3991   | AEZ2415Z              |
| GVD66397  | MP12FB | FRD475  | SC10CL            | FRD146   | NE2134GK  | -   | CAE2417Z-<br>CAE2420Z |
| GVD 19540   | ML90FB | FRD475  | SC10CL            | IAD1426  | NEK2134GK | -   | CAE2417Z-<br>CAE2420Z |
| ISD1007   | MR22FB | FRLD2643  | SC21CL            | IAD1383  | T2180GJ   | MED2261   | CAJ2440Z              |
| FRD257  | ML90TB | -   | -                 | FRD 145  | NEK6210GK | FRD442  | CAE4450Z              |
| ITD284  | MP12TB | -   | SC12MLX           | FRD 144  | NE9213GK  | INF2116   | CAE9460Z              |
| -   | MR22TB | -   | GS21MLX           | FRD259   | NJ9226GK  | FRD476  | CAJ9513Z              |
| IAD 1384  | MS26TB | -   | GLS26MLX          | IAD1461  | NJ9232GK  | ITD955  | CAJ4517Z              |
| FRD473  | MS34TB | -   | GLS34MLX          | INF21730   | NJ9238GK  | FRD468  | CAJ4519Z              |
| ZDA2548   | GX18TB | -   | -                 | FRD131   | T6213Z    | FRD461  | CAE4448Y              |
| IAD 1475  | ML80FB | IAD1448   | FR8.5CL           | IAD1432  | NEK2125GK | -   | AEZ2415Z              |
| IAD1376   | MP14FB | ICD6006   | SC12CL            | FRD162   | NEK2150GK | -   | CAE2420Z              |
| ZDA2548   | GX18TB | IAD 1366  | SC18G             | FRD 139  | T6215Z    | -   | CAE4461Y              |
| -   | GL90PB | FRD 128   | FR10G-<br>NL8.4MF | -  | NE5170Z   | -   | -                     |
| VD6032  | L45TN  | -   | -                 | FRD179   | NB6152E   | -   | -                     |
| VD6034  | L57TN  | -   | -                 | -  | NB6165E   | FGD4617   | AEZ4430E              |
| VD6036  | L88TN  | -   | -                 | -  | NE6210E   | FGD4604   | CAE4450E-<br>CAE9450T |

**LOW BACK PRESSURE COMPRESSORS**

| Type   | COMPRESSOR MODELS | Nominal Power (H.P.) |             |                                 | REFRIGERATION CAPACITY AT 50HZ<br>Rafed @54.5°C Cond Temp (Watts) |       |       |       |      |      |        |       | VOLTAGE                        |
|--------|-------------------|----------------------|-------------|---------------------------------|---|-------|-------|-------|------|------|--------|-------|--------------------------------|
|        |                   | t                    | Refrigerant | Displacement (cm <sup>3</sup> ) | Evaporating Temperature   |       |       |       |      |      |        |       |                                |
|        |                   |                      |             |                                 | Oil charge (cm <sup>3</sup> )                                     | -25°C | -15°C | -10°C | -5°C | 0°C  | +7.2°C | +15°C |                                |
|        |                   |                      |             |                                 |   | t     | t     | t     | t    | t    | t      | t     |                                |
| PISTON | THB4410Y          | 1/8                  | R134a       | 2.72                            | 250   | 65.8  | 74    | 101   | 132  | 170  | 237    | 332   | 220-240V/1/50HZ                |
|        | THB4413Y          | 1/7                  | R134a       | 3.58                            | 250   | 95.3  | 104   | 137   | 178  | 227  | 315    | 436   | 220-240V/1/50HZ                |
|        | THB4415Y          | 1/6                  | R134a       | 4.23                            | 250   | 117   | 123   | 160   | 206  | 262  | 363    | 502   | 220-240V/1/50HZ                |
|        | THB4419Y          | 1/5                  | R134a       | 5.20                            | 250   | 132   | 149   | 194   | 251  | 319  | 439    | 602   | 220-240V/1/50HZ                |
|        | THB4422Y          | 1/5                  | R134a       | 6.10                            | 250   | 176   | 194   | 248   | 315  | 394  | 533    | 717   | 220-240V/1/50HZ                |
|        | AEZ4425Y          | 1/5                  | R134a       | 7.55                            | 450   | 116   | 185   | 260   | 350  | 455  | 635    | 866   | 220-240V/1/50HZ                |
|        | AEZ4430Y          | 1/4                  | R134a       | 8.85                            | 450   | 195   | 245   | 328   | 432  | 558  | 777    | 1065  | 220-240V/1/50HZ                |
|        | CAE4440Y          | 1/3                  | R134a       | 12.05                           | 450   | 236   | 310   | 421   | 561  | 731  | 1026   | 1413  | 220-240V/1/50HZ                |
|        | CAE4448Y          | 3/7                  | R134a       | 14.15                           | 450   | 344   | 403   | 530   | 693  | 892  | 1242   | 1705  | 220-240V/1/50HZ                |
|        | CAE4456Y          | 7/16                 | R134a       | 16.2                            | 450   | 381   | 458   | 604   | 787  | 1009 | 1396   | 1904  | 220-240V/1/50HZ                |
|        | CAJ4452Y          | 3/7                  | R134a       | 15.2                            | 887   | 226   | 370   | 528   | 724  | 957  | 1358   | 1879  | 220-240V/1/50HZ                |
|        | CAJ4461Y          | 1/2                  | R134a       | 18.3                            | 887   | 370   | 475   | 642   | 856  | 1115 | 1569   | 2168  | 220-240V/1/50HZ<br>400V/3/50HZ |
|        | CAJ4476Y          | 5/8                  | R134a       | 21.75                           | 887   | 352   | 536   | 756   | 1030 | 1358 | 1926   | 2668  | 220-240V/1/50HZ                |
|        | CAJ4492Y          | 3/4                  | R134a       | 25.95                           | 887   | 255   | 584   | 871   | 1215 | 1617 | 2295   | 3164  | 220-240V/1/50HZ<br>400V/3/50HZ |
|        | CAJ4511Y          | 1                    | R134a       | 32.7                            | 887   | 569   | 878   | 1227  | 1654 | 2160 | 3026   | 4148  | 220-240V/1/50HZ<br>400V/3/50HZ |
|        | TFH4581Y          | 1-1/2                | R134a       | 53.2                            | 1330  | 208   | 1036  | 1650  | 2371 | 3200 | 4583   | 6333  | 220-240V/1/50HZ<br>400V/3/50HZ |
|        | TFH4525Y          | 2                    | R134a       | 74.25                           | 1330  | 1155  | 1667  | 2343  | 3201 | 4329 | 6053   | 8442  | 220-240V/1/50HZ<br>400V/3/50HZ |

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**THE NEW TWO GENERATION BRAZIL COMPRESSORS**

| TYPE   | COMPRESSOR MODELS | Nominal Power (H.P.) |             |                                 | REFRIGERATION CAPACITY AT 50HZ<br>Rafed @54.5°C Cond Temp (Watts) |       |       |       |      |      |       |       | VOLTAGE         |       |
|--------|-------------------|----------------------|-------------|---------------------------------|---|-------|-------|-------|------|------|-------|-------|-----------------|-------|
|        |                   | t                    | Refrigerant | Displacement (cm <sup>3</sup> ) | Evaporating Temperature   |       |       |       |      |      |       |       |                 |       |
|        |                   |                      |             |                                 | Oil charge (cm <sup>3</sup> )                                     | -20°C | -15°C | -10°C | -5°C | 0°C  | +15°C | +10°C |                 | +15°C |
|        |                   |                      |             |                                 |   | t     | t     | t     | t    | t    | t     | t     |                 | t     |
| PISTON | AE4425Y-FZ1A      | 1/5                  | R134a       | 6.69                            | 160   | 237   | 312   | 390   | 479  | 583  | 709   | 863   | 220-240V/1/50HZ |       |
|        | AE4430Y-FZ1A      | 1/4                  | R134a       | 8.02                            | 239   | 270   | 352   | 450   | 566  | 702  | 861   | 1045  | 220-240V/1/50HZ |       |
|        | AE4440Y-FZ1A      | 1/3                  | R134a       | 10.33                           | 332   | 369   | 471   | 591   | 733  | 899  | 1093  | 1317  | 220-240V/1/50HZ |       |
|        | AE4450Y-FZ1C      | 3/8                  | R134a       | 13.24                           | 345   | 478   | 620   | 778   | 957  | 1163 | 1402  | 1680  | 220-240V/1/50HZ |       |
|        | AE4456Y-FZ1C      | 1/2                  | R134a       | 14.51                           | 479   | 534   | 682   | 854   | 1052 | 1282 | 1547  | 1853  | 220-240V/1/50HZ |       |
|        | AE4460Y-FZ3C      | 1/2                  | R134a       | 15.09                           | 435   | 561   | 712   | 890   | 1095 | 1330 | 1594  | 1889  | 220-240V/1/50HZ |       |

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