

### DEFINICIÓN DEL COMPRESOR

|                              |                         |
|------------------------------|-------------------------|
| Denominación                 | <b>FMX Y9C</b>          |
| Voltage / Frecuencia nominal | <b>230 V 43 -134 Hz</b> |
| Código de Ingeniería         | <b>513908133</b>        |

### A - APLICACIÓN / CONDICIONES LÍMITES DE TRABAJO

|   |                               |                                   |           |
|---|-------------------------------|-----------------------------------|-----------|
| 1 Tipo                                  | Compresor recíproco           |                                   |           |
| 2 Refrigerante                          | R-600a                        |                                   |           |
| 3 Voltaje y frecuencia nominal          | 230 / 43 -134                 | [ V / Hz ]                        |           |
| 4 Tipo de aplicación                    |                               |                                   |           |
| 4.1 Rango de temperatura de evaporación | -35°C para 0°C                | (-31°F para 32°F)                 |           |
| 5 Tipo de motor                         | BPM                           |                                   |           |
| 6 Torque de Arranque                    | LST - Bajo Torque de Arranque |                                   |           |
| 7 Elemento de control                   | Tubo capilar                  |                                   |           |
| 8 Enfriamiento del compresor            | Rango de voltaje de operación |                                   |           |
|   |                               | 50 Hz                             | 60 Hz     |
| 8.1 LBP (32°C Temperatura ambiente)     | -                             | -                                 | -         |
| 8.2 LBP (43°C Temperatura ambiente)     | -                             | -                                 | -         |
| 8.3 HBP (32°C Temperatura ambiente)     | -                             | -                                 | -         |
| 8.4 HBP (43°C Temperatura ambiente)     | -                             | -                                 | -         |
| 9 Máxima temperatura de condensación    |                               |                                   |           |
| 9.1 Operación                           | 6.9                           | [kgf/cm <sup>2</sup> ] (98 psig)  | / °C - °F |
| 9.2 Pico                                | 7.8                           | [kgf/cm <sup>2</sup> ] (111 psig) | / °C - °F |
| 10 Máxima temperatura de las bobinas    | 130                           | [ °C ]                            |           |

### B - DATOS MECÁNICOS

|                                |                |                                  |
|--------------------------------|----------------|----------------------------------|
| 1 Referencia Comercial         | 1/7            | [hp]                             |
| 2 Desplazamiento               | 8.74           | [cm <sup>3</sup> ] (0.533 cu.in) |
| 2.1 Diametro [mm]              | 22.500         |                                  |
| 2.2 Curso [mm]                 | 22.000         |                                  |
| 3 Carga de aceite              | 175            | [ml] (5.92 fl.oz.)               |
| 3.1 Aceites aprobados          |                |                                  |
| 3.2 Tipo/Viscosidad del aceite | ALQUILB / ISO5 |                                  |
| 4 Peso (com carga de aceite)   | 4.8            | [kg] (10.58 lb.)                 |
| 5 Carga de nitrógeno           | -              | [kgf/cm <sup>2</sup> ]           |

### C - DATOS ELÉCTRICOS

|  |                                |                           |
|--|--------------------------------|---------------------------|
| 1 Voltaje nominal/Frecuencia/Numero de fases       | 230 V 43-134 Hz 3~ (Trifásico) |                           |
| 2 Tipo de Dispositivo de Arranque                  | Inverter                       |                           |
| 2.1 Dispositivo de Arranque                        | CF02E01 M0.0 X                 |                           |
| 3 Capacitor de Arranque                            | -                              | [µF(VAC minimo)]          |
| 4 Capacitor de marcha                              | -                              | [µF(VAC minimo)]          |
| 5 Protección del motor                             | INVERTER FMX CF02E01           |                           |
| 6 Resistencia del motor - bobina arranque          | 20.00                          | [Ω en 25°C (77°F)] +/- 8% |
| 7 Resistencia del motor - bobina marcha            | 20.00                          | [Ω en 25°C (77°F)] +/- 8% |
| 8 LRA - Corriente com rotor trabado (43 /134 Hz)   | -                              | [A] - Medido según UL 984 |
| 9 FLA - Corriente a plena carga L/MBP (43 /134 Hz) | -                              | [A] - Medido según UL 984 |
| 10 FLA - Corriente a plena carga HBP (43 /134 Hz)  | -                              | [A] - Medido según UL 984 |
| 11 Institutos de aprobación                        | CCC - VDE                      |                           |

### D - PERFORMANCE - DATOS CHECK POINT

|   |          |     |  |                                |   |   |           |       |
|---|----------|-----|--|--------------------------------|---|---|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@220V1300RPM</b> |          |     | <b>CECOMAF INDIRECT</b><br><b>Estática</b> |                                | Temperatura de evaporación<br>(Temp. de condensación) | <b>-25°C (-13°F)</b><br><b>55°C (131°F)</b> |           |       |
| Capacidad de refrigeración<br>+/- 5%          |          |     | Consumo de potencia<br>+/- 5%              | Consumo de corriente<br>+/- 5% | Flujo de masa<br>+/- 5%                               | RANGO DE EFICIENCIA<br>+/- 7%               |           |       |
| [Btu/h]                                       | [kcal/h] | [W] | [W]  | [A]                            | [kg/h]  | [Btu/Wh]                                    | [kcal/Wh] | [W/W] |
| 158   | 40       | 46  | 36   | 0.30                           |   | 4.34  | 1.09      | 1.27  |

|   |          |     |  |                                |   |   |           |       |
|---|----------|-----|--|--------------------------------|---|---|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@220V2000RPM</b> |          |     | <b>CECOMAF INDIRECT</b><br><b>Estática</b> |                                | Temperatura de evaporación<br>(Temp. de condensación) | <b>-25°C (-13°F)</b><br><b>55°C (131°F)</b> |           |       |
| Capacidad de refrigeración<br>+/- 5%          |          |     | Consumo de potencia<br>+/- 5%              | Consumo de corriente<br>+/- 5% | Flujo de masa<br>+/- 5%                               | RANGO DE EFICIENCIA<br>+/- 7%               |           |       |
| [Btu/h]                                       | [kcal/h] | [W] | [W]  | [A]                            | [kg/h]  | [Btu/Wh]                                    | [kcal/Wh] | [W/W] |
| 247   | 62       | 72  | 55   | 0.44                           |   | 4.52  | 1.14      | 1.32  |

|   |          |     |  |                                |   |   |           |       |
|---|----------|-----|--|--------------------------------|---|---|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@220V3000RPM</b> |          |     | <b>CECOMAF INDIRECT</b><br><b>Estática</b> |                                | Temperatura de evaporación<br>(Temp. de condensación) | <b>-25°C (-13°F)</b><br><b>55°C (131°F)</b> |           |       |
| Capacidad de refrigeración<br>+/- 5%          |          |     | Consumo de potencia<br>+/- 5%              | Consumo de corriente<br>+/- 5% | Flujo de masa<br>+/- 5%                               | RANGO DE EFICIENCIA<br>+/- 7%               |           |       |
| [Btu/h]                                       | [kcal/h] | [W] | [W]  | [A]                            | [kg/h]  | [Btu/Wh]                                    | [kcal/Wh] | [W/W] |
| 372   | 94       | 109 | 81   | 0.61                           |   | 4.59  | 1.16      | 1.34  |

|   |          |     |  |                                |   |   |           |       |
|---|----------|-----|--|--------------------------------|---|---|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@220V4000RPM</b> |          |     | <b>CECOMAF INDIRECT</b><br><b>Estática</b> |                                | Temperatura de evaporación<br>(Temp. de condensación) | <b>-25°C (-13°F)</b><br><b>55°C (131°F)</b> |           |       |
| Capacidad de refrigeración<br>+/- 5%          |          |     | Consumo de potencia<br>+/- 5%              | Consumo de corriente<br>+/- 5% | Flujo de masa<br>+/- 5%                               | RANGO DE EFICIENCIA<br>+/- 7%               |           |       |
| [Btu/h]                                       | [kcal/h] | [W] | [W]  | [A]                            | [kg/h]  | [Btu/Wh]                                    | [kcal/Wh] | [W/W] |
| 451   | 114      | 132 | 104  | 0.80                           |   | 4.34  | 1.09      | 1.27  |

### E - PERFORMANCE - CURVAS

|   |                                      |      |                                       |                               |  |                         |                               |        |          |           |
|---|--------------------------------------|------|---------------------------------------|-------------------------------|--|-------------------------|-------------------------------|--------|----------|-----------|
| CONDICIONES DE PRUEBA:<br><b>@220V1300RPM</b> |                                      |      | <b>CECOMAF-IND</b><br><b>Estática</b> |                               | (Temp. de condensación <b>35°C (+95°F)</b> ) |                         |                               |        |          |           |
| Temperatura de evaporación                    | Capacidad de refrigeración<br>+/- 5% |      |                                       | Consumo de potencia<br>+/- 5% | Consumo de corriente<br>+/- 5%               | Flujo de masa<br>+/- 5% | RANGO DE EFICIENCIA<br>+/- 7% |        |          |           |
|   | °C                                   | (°F) | [Btu/h]                               | [kcal/h]                      | [W]  | [W]                     | [A]                           | [kg/h] | [Btu/Wh] | [kcal/Wh] |
| -35   | (-31)                                | 127  | 32                                    | 37                            | 22   | 0.22                    | 0.41                          | 5.74   | 1.45     | 1.68      |
| -30   | (-22)                                | 170  | 43                                    | 50                            | 27   | 0.25                    | 0.54                          | 6.20   | 1.56     | 1.82      |
| -25   | (-13)                                | 223  | 56                                    | 65                            | 32   | 0.28                    | 0.72                          | 7.04   | 1.77     | 2.06      |
| -20   | (- 4)                                | 287  | 72                                    | 84                            | 35   | 0.31                    | 0.92                          | 8.18   | 2.06     | 2.40      |
| -15   | (+ 5)                                | 366  | 92                                    | 107                           | 38   | 0.33                    | 1.18                          | 9.57   | 2.41     | 2.80      |
| -10   | (+14)                                | 459  | 116                                   | 135                           | 41   | 0.36                    | 1.48                          | 11.13  | 2.80     | 3.26      |
| -5  | (+23)                                | 570  | 144                                   | 167                           | 44   | 0.38                    | 1.84                          | 12.81  | 3.23     | 3.75      |
| 0   | (+32)                                | 698  | 176                                   | 205                           | 48   | 0.39                    | 2.27                          | 14.53  | 3.66     | 4.26      |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | CECOMAF-IND                |          |     | (Temp. de condensación 45°C (+113°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V1300RPM               |       | Estática                   |          |     |                                       |                      |               |                     |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración |          |     | Consumo de potencia                   | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA |           |       |
|                            |       | +/- 5%                     |          |     | +/- 5%                                | +/- 5%               | +/- 5%        | +/- 7%              |           |       |
| °C                         | (°F)  | [Btu/h]                    | [kcal/h] | [W] | [W]                                   | [A]                  | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 103                        | 26       | 30  | 23                                    | 0.22                 | 0.36          | 4.60                | 1.16      | 1.35  |
| -30                        | (-22) | 142                        | 36       | 42  | 29                                    | 0.25                 | 0.49          | 4.94                | 1.25      | 1.45  |
| -25                        | (-13) | 190                        | 48       | 56  | 34                                    | 0.29                 | 0.66          | 5.54                | 1.40      | 1.62  |
| -20                        | (- 4) | 248                        | 63       | 73  | 39                                    | 0.33                 | 0.87          | 6.34                | 1.60      | 1.86  |
| -15                        | (+ 5) | 318                        | 80       | 93  | 44                                    | 0.36                 | 1.11          | 7.26                | 1.83      | 2.13  |
| -10                        | (+14) | 401                        | 101      | 118 | 49                                    | 0.40                 | 1.40          | 8.25                | 2.08      | 2.42  |
| -5                         | (+23) | 499                        | 126      | 146 | 54                                    | 0.43                 | 1.75          | 9.24                | 2.33      | 2.71  |
| 0                          | (+32) | 614                        | 155      | 180 | 60                                    | 0.47                 | 2.16          | 10.15               | 2.56      | 2.98  |

| CONDICIONES DE PRUEBA:     |       | CECOMAF-IND                |          |     | (Temp. de condensación 55°C (+131°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V1300RPM               |       | Estática                   |          |     |                                       |                      |               |                     |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración |          |     | Consumo de potencia                   | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA |           |       |
|                            |       | +/- 5%                     |          |     | +/- 5%                                | +/- 5%               | +/- 5%        | +/- 7%              |           |       |
| °C                         | (°F)  | [Btu/h]                    | [kcal/h] | [W] | [W]                                   | [A]                  | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 78                         | 20       | 23  | 22                                    | 0.22                 | 0.30          | 3.53                | 0.89      | 1.03  |
| -30                        | (-22) | 115                        | 29       | 34  | 29                                    | 0.26                 | 0.44          | 3.85                | 0.97      | 1.13  |
| -25                        | (-13) | 158                        | 40       | 46  | 36                                    | 0.30                 | 0.60          | 4.32                | 1.09      | 1.26  |
| -20                        | (- 4) | 210                        | 53       | 61  | 43                                    | 0.35                 | 0.80          | 4.86                | 1.23      | 1.42  |
| -15                        | (+ 5) | 271                        | 68       | 79  | 51                                    | 0.40                 | 1.04          | 5.42                | 1.37      | 1.59  |
| -10                        | (+14) | 344                        | 87       | 101 | 59                                    | 0.45                 | 1.32          | 5.93                | 1.49      | 1.74  |
| -5                         | (+23) | 430                        | 108      | 126 | 68                                    | 0.51                 | 1.66          | 6.32                | 1.59      | 1.85  |
| 0                          | (+32) | 531                        | 134      | 156 | 78                                    | 0.56                 | 2.05          | 6.52                | 1.64      | 1.91  |

| CONDICIONES DE PRUEBA:     |       | CECOMAF-IND                |          |     | (Temp. de condensación 35°C (+95°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|--------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V2000RPM               |       | Estática                   |          |     |                                      |                      |               |                     |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración |          |     | Consumo de potencia                  | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA |           |       |
|                            |       | +/- 5%                     |          |     | +/- 5%                               | +/- 5%               | +/- 5%        | +/- 7%              |           |       |
| °C                         | (°F)  | [Btu/h]                    | [kcal/h] | [W] | [W]                                  | [A]                  | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 190                        | 48       | 56  | 34                                   | 0.31                 | 0.61          | 5.51                | 1.39      | 1.61  |
| -30                        | (-22) | 256                        | 65       | 75  | 42                                   | 0.36                 | 0.82          | 6.15                | 1.55      | 1.80  |
| -25                        | (-13) | 338                        | 85       | 99  | 48                                   | 0.40                 | 1.09          | 7.09                | 1.79      | 2.08  |
| -20                        | (- 4) | 439                        | 111      | 129 | 53                                   | 0.44                 | 1.41          | 8.25                | 2.08      | 2.42  |
| -15                        | (+ 5) | 559                        | 141      | 164 | 59                                   | 0.48                 | 1.80          | 9.51                | 2.40      | 2.79  |
| -10                        | (+14) | 701                        | 177      | 205 | 65                                   | 0.53                 | 2.26          | 10.79               | 2.72      | 3.16  |
| -5                         | (+23) | 866                        | 218      | 254 | 72                                   | 0.59                 | 2.80          | 11.99               | 3.02      | 3.51  |
| 0                          | (+32) | 1057                       | 266      | 310 | 82                                   | 0.67                 | 3.44          | 13.00               | 3.28      | 3.81  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | CECOMAF-IND                |          |     | (Temp. de condensación 45°C (+113°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V2000RPM               |       | Estática                   |          |     |                                       |                      |               |                     |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración |          |     | Consumo de potencia                   | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA |           |       |
|                            |       | +/- 5%                     |          |     | +/- 5%                                | +/- 5%               | +/- 5%        | +/- 7%              |           |       |
| °C                         | (°F)  | [Btu/h]                    | [kcal/h] | [W] | [W]                                   | [A]                  | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 159                        | 40       | 46  | 35                                    | 0.31                 | 0.55          | 4.53                | 1.14      | 1.33  |
| -30                        | (-22) | 218                        | 55       | 64  | 44                                    | 0.37                 | 0.76          | 4.97                | 1.25      | 1.46  |
| -25                        | (-13) | 291                        | 73       | 85  | 51                                    | 0.42                 | 1.01          | 5.70                | 1.44      | 1.67  |
| -20                        | (- 4) | 381                        | 96       | 112 | 58                                    | 0.47                 | 1.33          | 6.60                | 1.66      | 1.93  |
| -15                        | (+ 5) | 490                        | 123      | 143 | 65                                    | 0.52                 | 1.71          | 7.59                | 1.91      | 2.22  |
| -10                        | (+14) | 618                        | 156      | 181 | 72                                    | 0.58                 | 2.16          | 8.57                | 2.16      | 2.51  |
| -5                         | (+23) | 768                        | 194      | 225 | 81                                    | 0.66                 | 2.70          | 9.44                | 2.38      | 2.76  |
| 0                          | (+32) | 943                        | 238      | 276 | 93                                    | 0.75                 | 3.32          | 10.10               | 2.54      | 2.96  |

| CONDICIONES DE PRUEBA:     |       | CECOMAF-IND                |          |     | (Temp. de condensación 55°C (+131°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V2000RPM               |       | Estática                   |          |     |                                       |                      |               |                     |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración |          |     | Consumo de potencia                   | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA |           |       |
|                            |       | +/- 5%                     |          |     | +/- 5%                                | +/- 5%               | +/- 5%        | +/- 7%              |           |       |
| °C                         | (°F)  | [Btu/h]                    | [kcal/h] | [W] | [W]                                   | [A]                  | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 132                        | 33       | 39  | 36                                    | 0.32                 | 0.50          | 3.70                | 0.93      | 1.08  |
| -30                        | (-22) | 183                        | 46       | 54  | 46                                    | 0.38                 | 0.70          | 3.98                | 1.00      | 1.17  |
| -25                        | (-13) | 247                        | 62       | 72  | 55                                    | 0.44                 | 0.94          | 4.51                | 1.14      | 1.32  |
| -20                        | (- 4) | 326                        | 82       | 96  | 63                                    | 0.50                 | 1.25          | 5.19                | 1.31      | 1.52  |
| -15                        | (+ 5) | 421                        | 106      | 123 | 72                                    | 0.57                 | 1.61          | 5.93                | 1.49      | 1.74  |
| -10                        | (+14) | 535                        | 135      | 157 | 81                                    | 0.64                 | 2.05          | 6.64                | 1.67      | 1.94  |
| -5                         | (+23) | 669                        | 169      | 196 | 93                                    | 0.73                 | 2.58          | 7.20                | 1.82      | 2.11  |
| 0                          | (+32) | 825                        | 208      | 242 | 106                                   | 0.84                 | 3.19          | 7.54                | 1.90      | 2.21  |

| CONDICIONES DE PRUEBA:     |       | CECOMAF-IND                |          |     | (Temp. de condensación 35°C (+95°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|--------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V3000RPM               |       | Estática                   |          |     |                                      |                      |               |                     |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración |          |     | Consumo de potencia                  | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA |           |       |
|                            |       | +/- 5%                     |          |     | +/- 5%                               | +/- 5%               | +/- 5%        | +/- 7%              |           |       |
| °C                         | (°F)  | [Btu/h]                    | [kcal/h] | [W] | [W]                                  | [A]                  | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 266                        | 67       | 78  | 52                                   | 0.43                 | 0.85          | 5.10                | 1.28      | 1.49  |
| -30                        | (-22) | 376                        | 95       | 110 | 64                                   | 0.49                 | 1.21          | 5.90                | 1.49      | 1.73  |
| -25                        | (-13) | 506                        | 127      | 148 | 74                                   | 0.56                 | 1.62          | 6.84                | 1.72      | 2.00  |
| -20                        | (- 4) | 658                        | 166      | 193 | 84                                   | 0.65                 | 2.12          | 7.87                | 1.98      | 2.31  |
| -15                        | (+ 5) | 838                        | 211      | 245 | 94                                   | 0.74                 | 2.69          | 8.94                | 2.25      | 2.62  |
| -10                        | (+14) | 1047                       | 264      | 307 | 105                                  | 0.82                 | 3.38          | 9.99                | 2.52      | 2.93  |
| -5                         | (+23) | 1289                       | 325      | 378 | 117                                  | 0.88                 | 4.17          | 10.98               | 2.77      | 3.22  |
| 0                          | (+32) | 1568                       | 395      | 459 | 132                                  | 0.91                 | 5.09          | 11.86               | 2.99      | 3.48  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | CECOMAF-IND                |          |     | (Temp. de condensación 45°C (+113°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V3000RPM               |       | Estática                   |          |     |                                       |                      |               |                     |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración |          |     | Consumo de potencia                   | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA |           |       |
|                            |       | +/- 5%                     |          |     | +/- 5%                                | +/- 5%               | +/- 5%        | +/- 7%              |           |       |
| °C                         | (°F)  | [Btu/h]                    | [kcal/h] | [W] | [W]                                   | [A]                  | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 218                        | 55       | 64  | 53                                    | 0.42                 | 0.76          | 4.15                | 1.04      | 1.21  |
| -30                        | (-22) | 317                        | 80       | 93  | 65                                    | 0.49                 | 1.10          | 4.81                | 1.21      | 1.41  |
| -25                        | (-13) | 434                        | 109      | 127 | 77                                    | 0.58                 | 1.51          | 5.61                | 1.41      | 1.64  |
| -20                        | (- 4) | 570                        | 144      | 167 | 88                                    | 0.68                 | 1.99          | 6.48                | 1.63      | 1.90  |
| -15                        | (+ 5) | 730                        | 184      | 214 | 99                                    | 0.79                 | 2.55          | 7.39                | 1.86      | 2.16  |
| -10                        | (+14) | 917                        | 231      | 269 | 111                                   | 0.88                 | 3.21          | 8.27                | 2.08      | 2.42  |
| -5                         | (+23) | 1134                       | 286      | 332 | 125                                   | 0.96                 | 3.98          | 9.08                | 2.29      | 2.66  |
| 0                          | (+32) | 1385                       | 349      | 406 | 141                                   | 1.02                 | 4.88          | 9.76                | 2.46      | 2.86  |

| CONDICIONES DE PRUEBA:     |       | CECOMAF-IND                |          |     | (Temp. de condensación 55°C (+131°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V3000RPM               |       | Estática                   |          |     |                                       |                      |               |                     |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración |          |     | Consumo de potencia                   | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA |           |       |
|                            |       | +/- 5%                     |          |     | +/- 5%                                | +/- 5%               | +/- 5%        | +/- 7%              |           |       |
| °C                         | (°F)  | [Btu/h]                    | [kcal/h] | [W] | [W]                                   | [A]                  | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 183                        | 46       | 54  | 52                                    | 0.42                 | 0.70          | 3.49                | 0.88      | 1.02  |
| -30                        | (-22) | 270                        | 68       | 79  | 67                                    | 0.50                 | 1.03          | 3.97                | 1.00      | 1.16  |
| -25                        | (-13) | 372                        | 94       | 109 | 81                                    | 0.61                 | 1.42          | 4.58                | 1.15      | 1.34  |
| -20                        | (- 4) | 490                        | 124      | 144 | 93                                    | 0.72                 | 1.87          | 5.25                | 1.32      | 1.54  |
| -15                        | (+ 5) | 629                        | 159      | 184 | 107                                   | 0.84                 | 2.41          | 5.95                | 1.50      | 1.74  |
| -10                        | (+14) | 793                        | 200      | 232 | 121                                   | 0.96                 | 3.04          | 6.61                | 1.66      | 1.94  |
| -5                         | (+23) | 983                        | 248      | 288 | 137                                   | 1.06                 | 3.78          | 7.18                | 1.81      | 2.11  |
| 0                          | (+32) | 1204                       | 304      | 353 | 155                                   | 1.13                 | 4.64          | 7.63                | 1.92      | 2.24  |

| CONDICIONES DE PRUEBA:     |       | CECOMAF-IND                |          |     | (Temp. de condensación 35°C (+95°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|--------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V4000RPM               |       | Estática                   |          |     |                                      |                      |               |                     |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración |          |     | Consumo de potencia                  | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA |           |       |
|                            |       | +/- 5%                     |          |     | +/- 5%                               | +/- 5%               | +/- 5%        | +/- 7%              |           |       |
| °C                         | (°F)  | [Btu/h]                    | [kcal/h] | [W] | [W]                                  | [A]                  | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 316                        | 80       | 92  | 64                                   | 0.50                 | 1.01          | 4.91                | 1.24      | 1.44  |
| -30                        | (-22) | 462                        | 116      | 135 | 82                                   | 0.64                 | 1.48          | 5.65                | 1.42      | 1.66  |
| -25                        | (-13) | 647                        | 163      | 190 | 100                                  | 0.78                 | 2.07          | 6.43                | 1.62      | 1.89  |
| -20                        | (- 4) | 861                        | 217      | 252 | 119                                  | 0.93                 | 2.77          | 7.26                | 1.83      | 2.13  |
| -15                        | (+ 5) | 1094                       | 276      | 320 | 135                                  | 1.05                 | 3.53          | 8.12                | 2.05      | 2.38  |
| -10                        | (+14) | 1336                       | 337      | 391 | 149                                  | 1.14                 | 4.32          | 9.03                | 2.27      | 2.64  |
| -5                         | (+23) | 1578                       | 398      | 462 | 158                                  | 1.18                 | 5.10          | 9.96                | 2.51      | 2.92  |
| 0                          | (+32) | 1810                       | 456      | 530 | 161                                  | 1.16                 | 5.85          | 10.92               | 2.75      | 3.20  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | CECOMAF-IND                |          |     | (Temp. de condensación 45°C (+113°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V4000RPM               |       | Estática                   |          |     |                                       |                      |               |                     |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración |          |     | Consumo de potencia                   | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA |           |       |
|                            |       | +/- 5%                     |          |     | +/- 5%                                | +/- 5%               | +/- 5%        | +/- 7%              |           |       |
| °C                         | (°F)  | [Btu/h]                    | [kcal/h] | [W] | [W]                                   | [A]                  | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 270                        | 68       | 79  | 66                                    | 0.51                 | 0.94          | 4.09                | 1.03      | 1.20  |
| -30                        | (-22) | 390                        | 98       | 114 | 83                                    | 0.64                 | 1.35          | 4.70                | 1.19      | 1.38  |
| -25                        | (-13) | 550                        | 139      | 161 | 102                                   | 0.79                 | 1.91          | 5.37                | 1.35      | 1.57  |
| -20                        | (- 4) | 741                        | 187      | 217 | 121                                   | 0.94                 | 2.58          | 6.08                | 1.53      | 1.78  |
| -15                        | (+ 5) | 953                        | 240      | 279 | 139                                   | 1.08                 | 3.33          | 6.83                | 1.72      | 2.00  |
| -10                        | (+14) | 1177                       | 297      | 345 | 155                                   | 1.20                 | 4.12          | 7.62                | 1.92      | 2.23  |
| -5                         | (+23) | 1402                       | 353      | 411 | 166                                   | 1.28                 | 4.92          | 8.45                | 2.13      | 2.48  |
| 0                          | (+32) | 1619                       | 408      | 474 | 172                                   | 1.31                 | 5.70          | 9.31                | 2.35      | 2.73  |

| CONDICIONES DE PRUEBA:     |       | CECOMAF-IND                |          |     | (Temp. de condensación 55°C (+131°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V4000RPM               |       | Estática                   |          |     |                                       |                      |               |                     |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración |          |     | Consumo de potencia                   | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA |           |       |
|                            |       | +/- 5%                     |          |     | +/- 5%                                | +/- 5%               | +/- 5%        | +/- 7%              |           |       |
| °C                         | (°F)  | [Btu/h]                    | [kcal/h] | [W] | [W]                                   | [A]                  | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 224                        | 56       | 65  | 68                                    | 0.54                 | 0.85          | 3.31                | 0.83      | 0.97  |
| -30                        | (-22) | 316                        | 80       | 93  | 85                                    | 0.66                 | 1.21          | 3.81                | 0.96      | 1.12  |
| -25                        | (-13) | 451                        | 114      | 132 | 104                                   | 0.80                 | 1.72          | 4.36                | 1.10      | 1.28  |
| -20                        | (- 4) | 619                        | 156      | 181 | 124                                   | 0.96                 | 2.36          | 4.96                | 1.25      | 1.45  |
| -15                        | (+ 5) | 809                        | 204      | 237 | 143                                   | 1.12                 | 3.10          | 5.61                | 1.41      | 1.64  |
| -10                        | (+14) | 1013                       | 255      | 297 | 161                                   | 1.26                 | 3.89          | 6.30                | 1.59      | 1.84  |
| -5                         | (+23) | 1220                       | 307      | 358 | 174                                   | 1.37                 | 4.70          | 7.02                | 1.77      | 2.06  |
| 0                          | (+32) | 1421                       | 358      | 416 | 182                                   | 1.44                 | 5.50          | 7.78                | 1.96      | 2.28  |

**F - CARACTERÍSTICAS EXTERNAS**

|                                      |                |      |           |
|--------------------------------------|----------------|------|-----------|
| 1 Placa base                         |                |      |           |
| 2 Soporte de badeja                  | No             |      |           |
| 3 Tubos                              |                |      |           |
| 3.1 SUCCIÓN                          | 6.5            | [mm] | (0.256" ) |
| 3.1.1 Material                       |                |      |           |
| 3.1.2 Forma                          |                |      |           |
| 3.2 DESCARGA                         | 4.9            | [mm] | (0.193" ) |
| 3.2.1 Material                       |                |      |           |
| 3.2.2 Forma                          |                |      |           |
| 3.3 PROCESO                          | 6.35           | [mm] | (0.250" ) |
| 3.3.1 Material                       |                |      |           |
| 3.3.2 Forma                          |                |      |           |
| 3.4 Tubo enfriador de aceite (Cobre) | No             | [mm] |           |
| 3.5 Sellado del tudo                 | Tampa de Gomma |      |           |