

### DEFINICIÓN DEL COMPRESOR

|                              |                         |
|------------------------------|-------------------------|
| Denominación                 | <b>FMX Y9C</b>          |
| Voltage / Frecuencia nominal | <b>230 V 43 -134 Hz</b> |
| Código de Ingeniería         | <b>513908150</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                        | CF02C05                        |                           |
| 3 Capacitor de Arranque                            | -                              | [µF(VAC minimo)]          |
| 4 Capacitor de marcha                              | -                              | [µF(VAC minimo)]          |
| 5 Protección del motor                             | INVERTER CF02C05               |                           |
| 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                        | UL                             |                           |

### D - PERFORMANCE - DATOS CHECK POINT

|   |          |     |                                       |                                |  |  |           |       |
|---|----------|-----|---------------------------------------|--------------------------------|--|--|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@115V1300RPM</b> |          |     | <b>ASHRAELBP32</b><br><b>Estática</b> |                                | Temperatura de evaporación<br>(Temp. de condensación | <b>-23.3°C (-9.94°F)</b><br><b>54.4°C (129.92°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] |
| 212   | 53       | 62  | 38                                    | 0.18                           | 0.67   | 5.64   | 1.42      | 1.65  |

|   |          |     |                                       |                                |  |  |           |       |
|---|----------|-----|---------------------------------------|--------------------------------|--|--|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@115V2000RPM</b> |          |     | <b>ASHRAELBP32</b><br><b>Estática</b> |                                | Temperatura de evaporación<br>(Temp. de condensación | <b>-23.3°C (-9.94°F)</b><br><b>54.4°C (129.92°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] |
| 334   | 84       | 98  | 57                                    | 0.27                           | 1.05   | 5.83   | 1.47      | 1.71  |

|   |          |     |                                       |                                |  |  |           |       |
|---|----------|-----|---------------------------------------|--------------------------------|--|--|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@115V3000RPM</b> |          |     | <b>ASHRAELBP32</b><br><b>Estática</b> |                                | Temperatura de evaporación<br>(Temp. de condensación | <b>-23.3°C (-9.94°F)</b><br><b>54.4°C (129.92°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] |
| 495   | 125      | 145 | 83                                    | 0.38                           | 1.55   | 5.97   | 1.50      | 1.75  |

|   |          |     |                                       |                                |  |  |           |       |
|---|----------|-----|---------------------------------------|--------------------------------|--|--|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@115V4000RPM</b> |          |     | <b>ASHRAELBP32</b><br><b>Estática</b> |                                | Temperatura de evaporación<br>(Temp. de condensación | <b>-23.3°C (-9.94°F)</b><br><b>54.4°C (129.92°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] |
| 614   | 155      | 180 | 109                                   | 0.47                           | 1.93   | 5.63   | 1.42      | 1.65  |

### E - PERFORMANCE - CURVAS

|   |                                      |      |                                    |                               |  |                         |                               |        |          |           |
|---|--------------------------------------|------|------------------------------------|-------------------------------|--|-------------------------|-------------------------------|--------|----------|-----------|
| CONDICIONES DE PRUEBA:<br><b>@115V1300RPM</b> |                                      |      | <b>ASHRAE32</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)                                | 132  | 33                                 | 39                            | 22   | 0.13                    | 0.41                          | 5.97   | 1.50     | 1.75      |
| -30   | (-22)                                | 177  | 45                                 | 52                            | 27   | 0.14                    | 0.56                          | 6.46   | 1.63     | 1.89      |
| -25   | (-13)                                | 233  | 59                                 | 68                            | 32   | 0.15                    | 0.73                          | 7.35   | 1.85     | 2.15      |
| -20   | (- 4)                                | 301  | 76                                 | 88                            | 35   | 0.17                    | 0.94                          | 8.55   | 2.16     | 2.51      |
| -15   | (+ 5)                                | 383  | 96                                 | 112                           | 38   | 0.19                    | 1.20                          | 10.01  | 2.52     | 2.93      |
| -10   | (+14)                                | 480  | 121                                | 141                           | 41   | 0.21                    | 1.51                          | 11.64  | 2.93     | 3.41      |
| -5  | (+23)                                | 595  | 150                                | 174                           | 44   | 0.22                    | 1.88                          | 13.39  | 3.37     | 3.92      |
| 0   | (+32)                                | 730  | 184                                | 214                           | 48   | 0.22                    | 2.31                          | 15.17  | 3.82     | 4.44      |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (Temp. de condensación 45°C (+113°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V1300RPM               |       | 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) | 114                        | 29       | 33  | 23                                    | 0.13                 | 0.36          | 5.11                | 1.29      | 1.50  |
| -30                        | (-22) | 158                        | 40       | 46  | 29                                    | 0.14                 | 0.50          | 5.52                | 1.39      | 1.62  |
| -25                        | (-13) | 213                        | 54       | 62  | 34                                    | 0.16                 | 0.67          | 6.22                | 1.57      | 1.82  |
| -20                        | (- 4) | 279                        | 70       | 82  | 39                                    | 0.19                 | 0.88          | 7.13                | 1.80      | 2.09  |
| -15                        | (+ 5) | 359                        | 90       | 105 | 44                                    | 0.21                 | 1.13          | 8.19                | 2.06      | 2.40  |
| -10                        | (+14) | 454                        | 114      | 133 | 49                                    | 0.23                 | 1.43          | 9.32                | 2.35      | 2.73  |
| -5                         | (+23) | 566                        | 143      | 166 | 54                                    | 0.25                 | 1.79          | 10.46               | 2.64      | 3.06  |
| 0                          | (+32) | 697                        | 176      | 204 | 60                                    | 0.26                 | 2.21          | 11.53               | 2.91      | 3.38  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (Temp. de condensación 55°C (+131°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V1300RPM               |       | 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) | 98                         | 25       | 29  | 22                                    | 0.13                 | 0.31          | 4.40                | 1.11      | 1.29  |
| -30                        | (-22) | 141                        | 36       | 41  | 29                                    | 0.15                 | 0.44          | 4.76                | 1.20      | 1.39  |
| -25                        | (-13) | 194                        | 49       | 57  | 36                                    | 0.17                 | 0.61          | 5.30                | 1.34      | 1.55  |
| -20                        | (- 4) | 258                        | 65       | 75  | 43                                    | 0.21                 | 0.81          | 5.96                | 1.50      | 1.74  |
| -15                        | (+ 5) | 335                        | 84       | 98  | 51                                    | 0.24                 | 1.05          | 6.65                | 1.68      | 1.95  |
| -10                        | (+14) | 426                        | 107      | 125 | 59                                    | 0.27                 | 1.35          | 7.31                | 1.84      | 2.14  |
| -5                         | (+23) | 535                        | 135      | 157 | 68                                    | 0.29                 | 1.69          | 7.88                | 1.99      | 2.31  |
| 0                          | (+32) | 661                        | 167      | 194 | 78                                    | 0.30                 | 2.10          | 8.27                | 2.08      | 2.42  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (Temp. de condensación 35°C (+95°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|--------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V2000RPM               |       | 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) | 197                        | 50       | 58  | 34                                   | 0.18                 | 0.62          | 5.71                | 1.44      | 1.67  |
| -30                        | (-22) | 265                        | 67       | 78  | 42                                   | 0.21                 | 0.83          | 6.34                | 1.60      | 1.86  |
| -25                        | (-13) | 350                        | 88       | 103 | 48                                   | 0.23                 | 1.10          | 7.33                | 1.85      | 2.15  |
| -20                        | (- 4) | 456                        | 115      | 134 | 53                                   | 0.25                 | 1.43          | 8.57                | 2.16      | 2.51  |
| -15                        | (+ 5) | 584                        | 147      | 171 | 59                                   | 0.28                 | 1.84          | 9.94                | 2.51      | 2.91  |
| -10                        | (+14) | 736                        | 185      | 216 | 65                                   | 0.31                 | 2.32          | 11.33               | 2.86      | 3.32  |
| -5                         | (+23) | 913                        | 230      | 267 | 72                                   | 0.34                 | 2.89          | 12.63               | 3.18      | 3.70  |
| 0                          | (+32) | 1118                       | 282      | 328 | 82                                   | 0.37                 | 3.54          | 13.71               | 3.45      | 4.02  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (Temp. de condensación 45°C (+113°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V2000RPM               |       | 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) | 178                        | 45       | 52  | 35                                    | 0.18                 | 0.56          | 5.09                | 1.28      | 1.49  |
| -30                        | (-22) | 244                        | 61       | 71  | 44                                    | 0.21                 | 0.76          | 5.58                | 1.41      | 1.63  |
| -25                        | (-13) | 327                        | 82       | 96  | 51                                    | 0.24                 | 1.03          | 6.40                | 1.61      | 1.88  |
| -20                        | (- 4) | 430                        | 108      | 126 | 58                                    | 0.27                 | 1.35          | 7.45                | 1.88      | 2.18  |
| -15                        | (+ 5) | 555                        | 140      | 163 | 65                                    | 0.30                 | 1.75          | 8.60                | 2.17      | 2.52  |
| -10                        | (+14) | 703                        | 177      | 206 | 72                                    | 0.34                 | 2.22          | 9.75                | 2.46      | 2.86  |
| -5                         | (+23) | 877                        | 221      | 257 | 81                                    | 0.38                 | 2.77          | 10.76               | 2.71      | 3.15  |
| 0                          | (+32) | 1078                       | 272      | 316 | 93                                    | 0.43                 | 3.41          | 11.54               | 2.91      | 3.38  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (Temp. de condensación 55°C (+131°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V2000RPM               |       | 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) | 163                        | 41       | 48  | 36                                    | 0.19                 | 0.51          | 4.56                | 1.15      | 1.33  |
| -30                        | (-22) | 225                        | 57       | 66  | 46                                    | 0.22                 | 0.71          | 4.90                | 1.24      | 1.44  |
| -25                        | (-13) | 304                        | 77       | 89  | 55                                    | 0.25                 | 0.95          | 5.56                | 1.40      | 1.63  |
| -20                        | (- 4) | 403                        | 102      | 118 | 63                                    | 0.29                 | 1.27          | 6.42                | 1.62      | 1.88  |
| -15                        | (+ 5) | 523                        | 132      | 153 | 72                                    | 0.33                 | 1.65          | 7.35                | 1.85      | 2.15  |
| -10                        | (+14) | 666                        | 168      | 195 | 81                                    | 0.37                 | 2.10          | 8.25                | 2.08      | 2.42  |
| -5                         | (+23) | 835                        | 210      | 245 | 93                                    | 0.42                 | 2.64          | 8.99                | 2.27      | 2.63  |
| 0                          | (+32) | 1030                       | 260      | 302 | 106                                   | 0.48                 | 3.27          | 9.47                | 2.39      | 2.77  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (Temp. de condensación 35°C (+95°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|--------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V3000RPM               |       | 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) | 277                        | 70       | 81  | 52                                   | 0.24                 | 0.87          | 5.31                | 1.34      | 1.55  |
| -30                        | (-22) | 397                        | 100      | 116 | 64                                   | 0.27                 | 1.25          | 6.22                | 1.57      | 1.82  |
| -25                        | (-13) | 535                        | 135      | 157 | 74                                   | 0.32                 | 1.68          | 7.24                | 1.82      | 2.12  |
| -20                        | (- 4) | 696                        | 175      | 204 | 84                                   | 0.38                 | 2.19          | 8.32                | 2.10      | 2.44  |
| -15                        | (+ 5) | 885                        | 223      | 259 | 94                                   | 0.43                 | 2.78          | 9.45                | 2.38      | 2.77  |
| -10                        | (+14) | 1107                       | 279      | 324 | 105                                  | 0.48                 | 3.49          | 10.57               | 2.66      | 3.10  |
| -5                         | (+23) | 1368                       | 345      | 401 | 117                                  | 0.51                 | 4.33          | 11.65               | 2.94      | 3.41  |
| 0                          | (+32) | 1674                       | 422      | 490 | 132                                  | 0.52                 | 5.31          | 12.67               | 3.19      | 3.71  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (Temp. de condensación 45°C (+113°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V3000RPM               |       | 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) | 245                        | 62       | 72  | 53                                    | 0.24                 | 0.77          | 4.66                | 1.17      | 1.37  |
| -30                        | (-22) | 361                        | 91       | 106 | 65                                    | 0.28                 | 1.13          | 5.47                | 1.38      | 1.60  |
| -25                        | (-13) | 494                        | 124      | 145 | 77                                    | 0.33                 | 1.55          | 6.39                | 1.61      | 1.87  |
| -20                        | (- 4) | 649                        | 164      | 190 | 88                                    | 0.39                 | 2.04          | 7.39                | 1.86      | 2.16  |
| -15                        | (+ 5) | 832                        | 210      | 244 | 99                                    | 0.45                 | 2.62          | 8.42                | 2.12      | 2.47  |
| -10                        | (+14) | 1049                       | 264      | 307 | 111                                   | 0.51                 | 3.31          | 9.45                | 2.38      | 2.77  |
| -5                         | (+23) | 1304                       | 329      | 382 | 125                                   | 0.55                 | 4.12          | 10.45               | 2.63      | 3.06  |
| 0                          | (+32) | 1604                       | 404      | 470 | 141                                   | 0.58                 | 5.09          | 11.38               | 2.87      | 3.33  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (Temp. de condensación 55°C (+131°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V3000RPM               |       | 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) | 223                        | 56       | 65  | 52                                    | 0.24                 | 0.70          | 4.27                | 1.08      | 1.25  |
| -30                        | (-22) | 332                        | 84       | 97  | 67                                    | 0.29                 | 1.04          | 4.91                | 1.24      | 1.44  |
| -25                        | (-13) | 458                        | 115      | 134 | 81                                    | 0.35                 | 1.44          | 5.66                | 1.43      | 1.66  |
| -20                        | (- 4) | 606                        | 153      | 178 | 93                                    | 0.41                 | 1.91          | 6.49                | 1.63      | 1.90  |
| -15                        | (+ 5) | 782                        | 197      | 229 | 107                                   | 0.49                 | 2.46          | 7.35                | 1.85      | 2.15  |
| -10                        | (+14) | 991                        | 250      | 290 | 121                                   | 0.55                 | 3.13          | 8.23                | 2.07      | 2.41  |
| -5                         | (+23) | 1239                       | 312      | 363 | 137                                   | 0.61                 | 3.92          | 9.07                | 2.28      | 2.66  |
| 0                          | (+32) | 1530                       | 386      | 448 | 155                                   | 0.64                 | 4.85          | 9.84                | 2.48      | 2.88  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (Temp. de condensación 35°C (+95°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|--------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V4000RPM               |       | 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) | 330                        | 83       | 97  | 64                                   | 0.30                 | 1.03          | 5.13                | 1.29      | 1.50  |
| -30                        | (-22) | 481                        | 121      | 141 | 82                                   | 0.37                 | 1.51          | 5.90                | 1.49      | 1.73  |
| -25                        | (-13) | 676                        | 170      | 198 | 100                                  | 0.45                 | 2.12          | 6.73                | 1.70      | 1.97  |
| -20                        | (- 4) | 905                        | 228      | 265 | 119                                  | 0.53                 | 2.84          | 7.63                | 1.92      | 2.24  |
| -15                        | (+ 5) | 1156                       | 291      | 339 | 135                                  | 0.60                 | 3.64          | 8.58                | 2.16      | 2.51  |
| -10                        | (+14) | 1420                       | 358      | 416 | 149                                  | 0.65                 | 4.48          | 9.59                | 2.42      | 2.81  |
| -5                         | (+23) | 1687                       | 425      | 494 | 158                                  | 0.67                 | 5.33          | 10.65               | 2.68      | 3.12  |
| 0                          | (+32) | 1945                       | 490      | 570 | 161                                  | 0.65                 | 6.17          | 11.77               | 2.97      | 3.45  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (Temp. de condensación 45°C (+113°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V4000RPM               |       | 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) | 301                        | 76       | 88  | 66                                    | 0.30                 | 0.94          | 4.58                | 1.15      | 1.34  |
| -30                        | (-22) | 438                        | 110      | 128 | 83                                    | 0.37                 | 1.37          | 5.30                | 1.33      | 1.55  |
| -25                        | (-13) | 622                        | 157      | 182 | 102                                   | 0.45                 | 1.95          | 6.08                | 1.53      | 1.78  |
| -20                        | (- 4) | 843                        | 212      | 247 | 121                                   | 0.54                 | 2.65          | 6.91                | 1.74      | 2.03  |
| -15                        | (+ 5) | 1090                       | 275      | 319 | 139                                   | 0.63                 | 3.43          | 7.81                | 1.97      | 2.29  |
| -10                        | (+14) | 1353                       | 341      | 396 | 155                                   | 0.69                 | 4.27          | 8.76                | 2.21      | 2.57  |
| -5                         | (+23) | 1621                       | 409      | 475 | 166                                   | 0.73                 | 5.13          | 9.77                | 2.46      | 2.86  |
| 0                          | (+32) | 1885                       | 475      | 552 | 172                                   | 0.73                 | 5.98          | 10.83               | 2.73      | 3.17  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (Temp. de condensación 55°C (+131°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V4000RPM               |       | 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) | 277                        | 70       | 81  | 68                                    | 0.31                 | 0.87          | 4.10                | 1.03      | 1.20  |
| -30                        | (-22) | 397                        | 100      | 116 | 85                                    | 0.38                 | 1.24          | 4.75                | 1.20      | 1.39  |
| -25                        | (-13) | 567                        | 143      | 166 | 104                                   | 0.46                 | 1.78          | 5.47                | 1.38      | 1.60  |
| -20                        | (- 4) | 777                        | 196      | 228 | 124                                   | 0.55                 | 2.44          | 6.24                | 1.57      | 1.83  |
| -15                        | (+ 5) | 1017                       | 256      | 298 | 143                                   | 0.64                 | 3.20          | 7.06                | 1.78      | 2.07  |
| -10                        | (+14) | 1276                       | 322      | 374 | 161                                   | 0.72                 | 4.03          | 7.95                | 2.00      | 2.33  |
| -5                         | (+23) | 1544                       | 389      | 452 | 174                                   | 0.78                 | 4.88          | 8.89                | 2.24      | 2.60  |
| 0                          | (+32) | 1811                       | 456      | 531 | 182                                   | 0.80                 | 5.74          | 9.88                | 2.49      | 2.89  |

### F - CARACTERÍSTICAS EXTERNAS

|                                      |                 |      |                          |
|--------------------------------------|-----------------|------|--------------------------|
| 1 Placa base                         |                 |      |                          |
| 2 Soporte de badeja                  | No              |      |                          |
| 3 Tubos                              |                 |      |                          |
| 3.1 SUCCIÓN                          | 6.35            | [mm] | (0.250" )                |
| 3.1.1 Material                       |                 |      |                          |
| 3.1.2 Forma                          |                 |      |                          |
| 3.2 DESCARGA                         | 4.9 +0.10/-0.05 | [mm] | (0.193" +0.004"/-0.002") |
| 3.2.1 Material                       |                 |      |                          |
| 3.2.2 Forma                          |                 |      |                          |
| 3.3 PROCESO                          | 6.5 +0.12/-0.08 | [mm] | (0.256" +0.005"/-0.003") |
| 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  |      |                          |