

### DEFINICIÓN DEL COMPRESOR

|                              |                         |
|------------------------------|-------------------------|
| Denominación                 | <b>FMX A4C</b>          |
| Voltage / Frecuencia nominal | <b>230 V 43 -134 Hz</b> |
| Código de Ingeniería         | <b>513908072</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         | 1/16           | [hp]                             |
| 2 Desplazamiento               | 3.97           | [cm <sup>3</sup> ] (0.242 cu.in) |
| 2.1 Diametro [mm]              | 19.000         |                                  |
| 2.2 Curso [mm]                 | 14.000         |                                  |
| 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                        | CF02D01 M 0.0 X                |                           |
| 3 Capacitor de Arranque                            | -                              | [µF(VAC minimo)]          |
| 4 Capacitor de marcha                              | -                              | [µF(VAC minimo)]          |
| 5 Protección del motor                             | INVERTER CF02D01 M 0           |                           |
| 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)   | 1.70                           | [A] - Medido según UL 984 |
| 9 FLA - Corriente a plena carga L/MBP (43 /134 Hz) | 1.70                           | [A] - Medido según UL 984 |
| 10 FLA - Corriente a plena carga HBP (43 /134 Hz)  | 1.70                           | [A] - Medido según UL 984 |
| 11 Institutos de aprobación                        | VDE                            |                           |

### D - PERFORMANCE - DATOS CHECK POINT

|   |          |     |                                       |                                |   |  |           |       |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@220V1300RPM</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] |
| 72  | 18       | 21  | 15                                    | 0.15                           | 0.23  | 4.97   | 1.25      | 1.46  |

|   |          |     |                                       |                                |   |  |           |       |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@220V2000RPM</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] |
| 123   | 31       | 36  | 22                                    | 0.20                           | 0.39  | 5.64   | 1.42      | 1.65  |

|   |          |     |                                       |                                |   |  |           |       |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@220V3000RPM</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] |
| 174   | 44       | 51  | 32                                    | 0.28                           | 0.55  | 5.39   | 1.36      | 1.58  |

|   |          |     |                                       |                                |   |  |           |       |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@220V4000RPM</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] |
| 256   | 65       | 75  | 48                                    | 0.38                           | 0.80  | 5.39   | 1.36      | 1.58  |

### E - PERFORMANCE - CURVAS

|   |                                      |      |                                    |                               |  |                         |                               |        |          |           |
|---|--------------------------------------|------|------------------------------------|-------------------------------|--|-------------------------|-------------------------------|--------|----------|-----------|
| CONDICIONES DE PRUEBA:<br><b>@220V1300RPM</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)                                | 50   | 13                                 | 15                            | 9  | 0.13                    | 0.16                          | 5.62   | 1.42     | 1.65      |
| -30   | (-22)                                | 71   | 18                                 | 21                            | 11   | 0.14                    | 0.22                          | 6.64   | 1.67     | 1.95      |
| -25   | (-13)                                | 96   | 24                                 | 28                            | 12   | 0.14                    | 0.30                          | 7.80   | 1.97     | 2.29      |
| -20   | (- 4)                                | 127  | 32                                 | 37                            | 14   | 0.15                    | 0.40                          | 9.13   | 2.30     | 2.68      |
| -15   | (+ 5)                                | 164  | 41                                 | 48                            | 15   | 0.16                    | 0.52                          | 10.67  | 2.69     | 3.13      |
| -10   | (+14)                                | 208  | 52                                 | 61                            | 17   | 0.16                    | 0.66                          | 12.44  | 3.14     | 3.65      |
| -5  | (+23)                                | 261  | 66                                 | 77                            | 18   | 0.17                    | 0.83                          | 14.48  | 3.65     | 4.24      |
| 0   | (+32)                                | 323  | 81                                 | 95                            | 20   | 0.17                    | 1.02                          | 16.82  | 4.24     | 4.93      |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (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) | 37                         | 9        | 11  | 9                                     | 0.12                 | 0.12          | 4.18                | 1.05      | 1.23  |
| -30                        | (-22) | 59                         | 15       | 17  | 11                                    | 0.13                 | 0.19          | 5.37                | 1.35      | 1.57  |
| -25                        | (-13) | 85                         | 21       | 25  | 13                                    | 0.15                 | 0.27          | 6.53                | 1.65      | 1.91  |
| -20                        | (- 4) | 115                        | 29       | 34  | 15                                    | 0.16                 | 0.36          | 7.70                | 1.94      | 2.26  |
| -15                        | (+ 5) | 151                        | 38       | 44  | 17                                    | 0.17                 | 0.48          | 8.91                | 2.25      | 2.61  |
| -10                        | (+14) | 193                        | 49       | 57  | 19                                    | 0.18                 | 0.61          | 10.19               | 2.57      | 2.99  |
| -5                         | (+23) | 243                        | 61       | 71  | 21                                    | 0.19                 | 0.77          | 11.58               | 2.92      | 3.39  |
| 0                          | (+32) | 301                        | 76       | 88  | 23                                    | 0.20                 | 0.95          | 13.10               | 3.30      | 3.84  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (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) | 12                         | 3        | 4   | 7                                     | 0.12                 | 0.04          | 1.67                | 0.42      | 0.49  |
| -30                        | (-22) | 38                         | 9        | 11  | 11                                    | 0.13                 | 0.12          | 3.33                | 0.84      | 0.98  |
| -25                        | (-13) | 66                         | 17       | 19  | 13                                    | 0.15                 | 0.21          | 4.81                | 1.21      | 1.41  |
| -20                        | (- 4) | 98                         | 25       | 29  | 16                                    | 0.17                 | 0.31          | 6.13                | 1.55      | 1.80  |
| -15                        | (+ 5) | 134                        | 34       | 39  | 18                                    | 0.18                 | 0.42          | 7.33                | 1.85      | 2.15  |
| -10                        | (+14) | 176                        | 44       | 52  | 21                                    | 0.20                 | 0.55          | 8.44                | 2.13      | 2.47  |
| -5                         | (+23) | 224                        | 56       | 66  | 24                                    | 0.22                 | 0.71          | 9.48                | 2.39      | 2.78  |
| 0                          | (+32) | 280                        | 70       | 82  | 26                                    | 0.24                 | 0.89          | 10.50               | 2.65      | 3.08  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (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) | 79                         | 20       | 23  | 14                                   | 0.14                 | 0.25          | 5.70                | 1.44      | 1.67  |
| -30                        | (-22) | 108                        | 27       | 32  | 17                                   | 0.17                 | 0.34          | 6.60                | 1.66      | 1.93  |
| -25                        | (-13) | 147                        | 37       | 43  | 19                                   | 0.20                 | 0.46          | 7.66                | 1.93      | 2.24  |
| -20                        | (- 4) | 196                        | 49       | 57  | 22                                   | 0.23                 | 0.62          | 8.92                | 2.25      | 2.61  |
| -15                        | (+ 5) | 255                        | 64       | 75  | 24                                   | 0.25                 | 0.80          | 10.45               | 2.63      | 3.06  |
| -10                        | (+14) | 325                        | 82       | 95  | 26                                   | 0.26                 | 1.02          | 12.29               | 3.10      | 3.60  |
| -5                         | (+23) | 406                        | 102      | 119 | 28                                   | 0.25                 | 1.28          | 14.49               | 3.65      | 4.24  |
| 0                          | (+32) | 499                        | 126      | 146 | 29                                   | 0.21                 | 1.58          | 17.09               | 4.31      | 5.01  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (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) | 57                         | 14       | 17  | 14                                    | 0.15                 | 0.18          | 4.23                | 1.07      | 1.24  |
| -30                        | (-22) | 88                         | 22       | 26  | 17                                    | 0.17                 | 0.28          | 5.27                | 1.33      | 1.55  |
| -25                        | (-13) | 128                        | 32       | 37  | 20                                    | 0.20                 | 0.40          | 6.33                | 1.60      | 1.86  |
| -20                        | (- 4) | 176                        | 44       | 52  | 23                                    | 0.23                 | 0.55          | 7.45                | 1.88      | 2.18  |
| -15                        | (+ 5) | 234                        | 59       | 69  | 27                                    | 0.26                 | 0.74          | 8.69                | 2.19      | 2.55  |
| -10                        | (+14) | 302                        | 76       | 88  | 30                                    | 0.28                 | 0.95          | 10.09               | 2.54      | 2.96  |
| -5                         | (+23) | 380                        | 96       | 111 | 33                                    | 0.28                 | 1.20          | 11.70               | 2.95      | 3.43  |
| 0                          | (+32) | 469                        | 118      | 137 | 35                                    | 0.26                 | 1.49          | 13.57               | 3.42      | 3.98  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (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) | 40                         | 10       | 12  | 13                                    | 0.15                 | 0.12          | 3.16                | 0.80      | 0.93  |
| -30                        | (-22) | 72                         | 18       | 21  | 16                                    | 0.16                 | 0.22          | 4.44                | 1.12      | 1.30  |
| -25                        | (-13) | 111                        | 28       | 33  | 20                                    | 0.19                 | 0.35          | 5.58                | 1.41      | 1.63  |
| -20                        | (- 4) | 158                        | 40       | 46  | 24                                    | 0.23                 | 0.50          | 6.63                | 1.67      | 1.94  |
| -15                        | (+ 5) | 214                        | 54       | 63  | 28                                    | 0.27                 | 0.67          | 7.66                | 1.93      | 2.24  |
| -10                        | (+14) | 279                        | 70       | 82  | 32                                    | 0.30                 | 0.88          | 8.70                | 2.19      | 2.55  |
| -5                         | (+23) | 353                        | 89       | 103 | 36                                    | 0.32                 | 1.12          | 9.81                | 2.47      | 2.87  |
| 0                          | (+32) | 437                        | 110      | 128 | 39                                    | 0.32                 | 1.38          | 11.03               | 2.78      | 3.23  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (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) | 107                        | 27       | 31  | 20                                   | 0.20                 | 0.34          | 5.26                | 1.33      | 1.54  |
| -30                        | (-22) | 155                        | 39       | 45  | 24                                   | 0.23                 | 0.49          | 6.29                | 1.59      | 1.84  |
| -25                        | (-13) | 217                        | 55       | 64  | 29                                   | 0.26                 | 0.68          | 7.33                | 1.85      | 2.15  |
| -20                        | (- 4) | 293                        | 74       | 86  | 34                                   | 0.30                 | 0.92          | 8.49                | 2.14      | 2.49  |
| -15                        | (+ 5) | 383                        | 97       | 112 | 39                                   | 0.33                 | 1.21          | 9.87                | 2.49      | 2.89  |
| -10                        | (+14) | 488                        | 123      | 143 | 42                                   | 0.34                 | 1.54          | 11.60               | 2.92      | 3.40  |
| -5                         | (+23) | 608                        | 153      | 178 | 44                                   | 0.33                 | 1.92          | 13.77               | 3.47      | 4.03  |
| 0                          | (+32) | 743                        | 187      | 218 | 43                                   | 0.30                 | 2.36          | 16.50               | 4.16      | 4.83  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (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) | 95                         | 24       | 28  | 21                                    | 0.20                 | 0.30          | 4.44                | 1.12      | 1.30  |
| -30                        | (-22) | 138                        | 35       | 40  | 25                                    | 0.22                 | 0.43          | 5.50                | 1.38      | 1.61  |
| -25                        | (-13) | 195                        | 49       | 57  | 30                                    | 0.26                 | 0.61          | 6.46                | 1.63      | 1.89  |
| -20                        | (- 4) | 267                        | 67       | 78  | 36                                    | 0.31                 | 0.84          | 7.44                | 1.88      | 2.18  |
| -15                        | (+ 5) | 354                        | 89       | 104 | 41                                    | 0.35                 | 1.11          | 8.56                | 2.16      | 2.51  |
| -10                        | (+14) | 456                        | 115      | 134 | 46                                    | 0.39                 | 1.44          | 9.92                | 2.50      | 2.91  |
| -5                         | (+23) | 574                        | 145      | 168 | 49                                    | 0.41                 | 1.82          | 11.63               | 2.93      | 3.41  |
| 0                          | (+32) | 708                        | 178      | 207 | 51                                    | 0.40                 | 2.24          | 13.80               | 3.48      | 4.04  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (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) | 64                         | 16       | 19  | 20                                    | 0.19                 | 0.20          | 3.25                | 0.82      | 0.95  |
| -30                        | (-22) | 103                        | 26       | 30  | 24                                    | 0.22                 | 0.32          | 4.37                | 1.10      | 1.28  |
| -25                        | (-13) | 158                        | 40       | 46  | 30                                    | 0.27                 | 0.50          | 5.31                | 1.34      | 1.56  |
| -20                        | (- 4) | 228                        | 58       | 67  | 37                                    | 0.32                 | 0.72          | 6.18                | 1.56      | 1.81  |
| -15                        | (+ 5) | 314                        | 79       | 92  | 44                                    | 0.38                 | 0.99          | 7.08                | 1.78      | 2.07  |
| -10                        | (+14) | 416                        | 105      | 122 | 51                                    | 0.44                 | 1.31          | 8.13                | 2.05      | 2.38  |
| -5                         | (+23) | 534                        | 135      | 156 | 57                                    | 0.48                 | 1.69          | 9.43                | 2.38      | 2.76  |
| 0                          | (+32) | 669                        | 169      | 196 | 61                                    | 0.51                 | 2.12          | 11.10               | 2.80      | 3.25  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (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) | 152                        | 38       | 45  | 34                                   | 0.29                 | 0.48          | 4.46                | 1.12      | 1.31  |
| -30                        | (-22) | 209                        | 53       | 61  | 40                                   | 0.34                 | 0.65          | 5.29                | 1.33      | 1.55  |
| -25                        | (-13) | 285                        | 72       | 83  | 45                                   | 0.38                 | 0.89          | 6.42                | 1.62      | 1.88  |
| -20                        | (- 4) | 383                        | 96       | 112 | 49                                   | 0.42                 | 1.20          | 7.78                | 1.96      | 2.28  |
| -15                        | (+ 5) | 505                        | 127      | 148 | 54                                   | 0.45                 | 1.59          | 9.33                | 2.35      | 2.73  |
| -10                        | (+14) | 654                        | 165      | 192 | 59                                   | 0.48                 | 2.06          | 11.02               | 2.78      | 3.23  |
| -5                         | (+23) | 832                        | 210      | 244 | 65                                   | 0.53                 | 2.63          | 12.78               | 3.22      | 3.75  |
| 0                          | (+32) | 1041                       | 262      | 305 | 73                                   | 0.59                 | 3.30          | 14.58               | 3.67      | 4.27  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                             |          |     | (Temp. de condensación 45°C (+113°F)) |                                |                         |                               |           |       |
|----------------------------|-------|--------------------------------------|----------|-----|---------------------------------------|--------------------------------|-------------------------|-------------------------------|-----------|-------|
| @220V4000RPM               |       | Estática                             |          |     |                                       |                                |                         |                               |           |       |
| 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] | [W/W] |
| -35                        | (-31) | 112                                  | 28       | 33  | 27                                    | 0.24                           | 0.35                    | 4.07                          | 1.03      | 1.19  |
| -30                        | (-22) | 174                                  | 44       | 51  | 36                                    | 0.31                           | 0.55                    | 4.84                          | 1.22      | 1.42  |
| -25                        | (-13) | 253                                  | 64       | 74  | 44                                    | 0.37                           | 0.79                    | 5.83                          | 1.47      | 1.71  |
| -20                        | (- 4) | 352                                  | 89       | 103 | 50                                    | 0.42                           | 1.11                    | 7.00                          | 1.76      | 2.05  |
| -15                        | (+ 5) | 472                                  | 119      | 138 | 57                                    | 0.46                           | 1.49                    | 8.29                          | 2.09      | 2.43  |
| -10                        | (+14) | 617                                  | 155      | 181 | 64                                    | 0.51                           | 1.95                    | 9.65                          | 2.43      | 2.83  |
| -5                         | (+23) | 788                                  | 199      | 231 | 71                                    | 0.57                           | 2.49                    | 11.03                         | 2.78      | 3.23  |
| 0                          | (+32) | 988                                  | 249      | 289 | 80                                    | 0.64                           | 3.13                    | 12.37                         | 3.12      | 3.62  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                             |          |     | (Temp. de condensación 55°C (+131°F)) |                                |                         |                               |           |       |
|----------------------------|-------|--------------------------------------|----------|-----|---------------------------------------|--------------------------------|-------------------------|-------------------------------|-----------|-------|
| @220V4000RPM               |       | Estática                             |          |     |                                       |                                |                         |                               |           |       |
| 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] | [W/W] |
| -35                        | (-31) | 73                                   | 18       | 21  | 24                                    | 0.22                           | 0.23                    | 3.09                          | 0.78      | 0.91  |
| -30                        | (-22) | 140                                  | 35       | 41  | 35                                    | 0.31                           | 0.44                    | 3.95                          | 0.99      | 1.16  |
| -25                        | (-13) | 221                                  | 56       | 65  | 44                                    | 0.38                           | 0.69                    | 4.96                          | 1.25      | 1.45  |
| -20                        | (- 4) | 319                                  | 80       | 94  | 52                                    | 0.44                           | 1.00                    | 6.09                          | 1.54      | 1.79  |
| -15                        | (+ 5) | 437                                  | 110      | 128 | 60                                    | 0.50                           | 1.38                    | 7.28                          | 1.84      | 2.13  |
| -10                        | (+14) | 576                                  | 145      | 169 | 68                                    | 0.56                           | 1.82                    | 8.48                          | 2.14      | 2.48  |
| -5                         | (+23) | 739                                  | 186      | 217 | 77                                    | 0.63                           | 2.34                    | 9.62                          | 2.43      | 2.82  |
| 0                          | (+32) | 929                                  | 234      | 272 | 86                                    | 0.71                           | 2.94                    | 10.67                         | 2.69      | 3.13  |

**F - CARACTERÍSTICAS EXTERNAS**

|                                      |                              |      |                          |
|--------------------------------------|------------------------------|------|--------------------------|
| 1 Placa base                         |                              |      |                          |
| 2 Soporte de bodega                  | Sí                           |      |                          |
| 3 Tubos                              |                              |      |                          |
| 3.1 SUCCIÓN                          | 6.2 +0.05/+0.05              | [mm] | (0.244" +0.002"/+0.002") |
| 3.1.1 Material                       | Cobre                        |      |                          |
| 3.1.2 Forma                          | Curvo 45° arriba + 45° atrás |      |                          |
| 3.2 DESCARGA                         | 4.2                          | [mm] | (0.165" )                |
| 3.2.1 Material                       |                              |      |                          |
| 3.2.2 Forma                          |                              |      |                          |
| 3.3 PROCESO                          | 6.2                          | [mm] | (0.244" )                |
| 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               |      |                          |