

### DEFINICIÓN DEL COMPRESOR

|                              |                         |
|------------------------------|-------------------------|
| Denominación                 | <b>FMX D9C</b>          |
| Voltage / Frecuencia nominal | <b>230 V 43 -134 Hz</b> |
| Código de Ingeniería         | <b>513908109</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         | 1/6            | [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)   | 4.9            | [kg] (10.80 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                        | CF02C04 L XX XX                |                           |
| 3 Capacitor de Arranque                            | -                              | [µF(VAC minimo)]          |
| 4 Capacitor de marcha                              | -                              | [µF(VAC minimo)]          |
| 5 Protección del motor                             | CF02C04 L XX                   |                           |
| 6 Resistencia del motor - bobina arranque          | 13.00                          | [Ω en 25°C (77°F)] +/- 8% |
| 7 Resistencia del motor - bobina marcha            | 13.00                          | [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                        |                                |                           |

### D - PERFORMANCE - DATOS CHECK POINT

|   |          |     |                                       |                               |  |                                |           |       |  |
|---|----------|-----|---------------------------------------|-------------------------------|--|--------------------------------|-----------|-------|--|
| CONDICIONES DE PRUEBA:<br><b>@115V1300RPM</b> |          |     | <b>ASHRAELBP32</b><br><b>Estática</b> |                               | Temperatura de evaporación <b>-23.3°C (-9.94°F)</b><br>(Temp. de condensación <b>54.4°C (129.92°F)</b> ) |                                |           |       |  |
| Capacidad de refrigeración (Qe)<br>+/- 5%     |          |     | Potencia de entrada (We)<br>+/- 5%    | Corriente eléctrica<br>+/- 5% | Flujo másico<br>+/- 5%   | Eficiencia EER & COP<br>+/- 7% |           |       |  |
| [Btu/h]                                       | [kcal/h] | [W] | [W]                                   | [A]                           | [kg/h]   | [Btu/Wh]                       | [kcal/Wh] | [W/W] |  |
| 212   | 53       | 62  | 34                                    | 0.48                          | 0.67   | 6.29                           | 1.59      | 1.84  |  |

|   |          |     |                                       |                               |  |                                |           |       |  |
|---|----------|-----|---------------------------------------|-------------------------------|--|--------------------------------|-----------|-------|--|
| CONDICIONES DE PRUEBA:<br><b>@115V2000RPM</b> |          |     | <b>ASHRAELBP32</b><br><b>Estática</b> |                               | Temperatura de evaporación <b>-23.3°C (-9.94°F)</b><br>(Temp. de condensación <b>54.4°C (129.92°F)</b> ) |                                |           |       |  |
| Capacidad de refrigeración (Qe)<br>+/- 5%     |          |     | Potencia de entrada (We)<br>+/- 5%    | Corriente eléctrica<br>+/- 5% | Flujo másico<br>+/- 5%   | Eficiencia EER & COP<br>+/- 7% |           |       |  |
| [Btu/h]                                       | [kcal/h] | [W] | [W]                                   | [A]                           | [kg/h]   | [Btu/Wh]                       | [kcal/Wh] | [W/W] |  |
| 339   | 85       | 99  | 52                                    | 0.68                          | 1.06   | 6.49                           | 1.64      | 1.90  |  |

|   |          |     |                                       |                               |  |                                |           |       |  |
|---|----------|-----|---------------------------------------|-------------------------------|--|--------------------------------|-----------|-------|--|
| CONDICIONES DE PRUEBA:<br><b>@115V3000RPM</b> |          |     | <b>ASHRAELBP32</b><br><b>Estática</b> |                               | Temperatura de evaporación <b>-23.3°C (-9.94°F)</b><br>(Temp. de condensación <b>54.4°C (129.92°F)</b> ) |                                |           |       |  |
| Capacidad de refrigeración (Qe)<br>+/- 5%     |          |     | Potencia de entrada (We)<br>+/- 5%    | Corriente eléctrica<br>+/- 5% | Flujo másico<br>+/- 5%   | Eficiencia EER & COP<br>+/- 7% |           |       |  |
| [Btu/h]                                       | [kcal/h] | [W] | [W]                                   | [A]                           | [kg/h]   | [Btu/Wh]                       | [kcal/Wh] | [W/W] |  |
| 520   | 131      | 152 | 81                                    | 1.14                          | 1.63   | 6.45                           | 1.63      | 1.89  |  |

|   |          |     |                                       |                               |  |                                |           |       |  |
|---|----------|-----|---------------------------------------|-------------------------------|--|--------------------------------|-----------|-------|--|
| CONDICIONES DE PRUEBA:<br><b>@115V4000RPM</b> |          |     | <b>ASHRAELBP32</b><br><b>Estática</b> |                               | Temperatura de evaporación <b>-23.3°C (-9.94°F)</b><br>(Temp. de condensación <b>54.4°C (129.92°F)</b> ) |                                |           |       |  |
| Capacidad de refrigeración (Qe)<br>+/- 5%     |          |     | Potencia de entrada (We)<br>+/- 5%    | Corriente eléctrica<br>+/- 5% | Flujo másico<br>+/- 5%   | Eficiencia EER & COP<br>+/- 7% |           |       |  |
| [Btu/h]                                       | [kcal/h] | [W] | [W]                                   | [A]                           | [kg/h]   | [Btu/Wh]                       | [kcal/Wh] | [W/W] |  |
| 637   | 161      | 187 | 104                                   | 1.45                          | 2.00   | 6.12                           | 1.54      | 1.79  |  |

### 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 (Qe)<br>+/- 5% |      |                                    | Potencia de entrada (We)<br>+/- 5% | Corriente eléctrica<br>+/- 5%                | Flujo másico<br>+/- 5% | Eficiencia EER & COP<br>+/- 7% |        |          |           |
|   | °C  | (°F) | [Btu/h]                            | [kcal/h]                           | [W]  | [W]                    | [A]                            | [kg/h] | [Btu/Wh] | [kcal/Wh] |
| -35   | (-31)                                     | 127  | 32                                 | 37                                 | 20   | 0.34                   | 0.40                           | 6.23   | 1.57     | 1.83      |
| -30   | (-22)                                     | 173  | 43                                 | 51                                 | 24   | 0.37                   | 0.54                           | 7.12   | 1.79     | 2.09      |
| -25   | (-13)                                     | 229  | 58                                 | 67                                 | 28   | 0.41                   | 0.72                           | 8.12   | 2.05     | 2.38      |
| -20   | (- 4)                                     | 298  | 75                                 | 87                                 | 32   | 0.45                   | 0.94                           | 9.30   | 2.34     | 2.72      |
| -15   | (+ 5)                                     | 383  | 96                                 | 112                                | 36   | 0.49                   | 1.20                           | 10.67  | 2.69     | 3.13      |
| -10   | (+14)                                     | 484  | 122                                | 142                                | 40   | 0.53                   | 1.53                           | 12.30  | 3.10     | 3.60      |
| -5  | (+23)                                     | 605  | 152                                | 177                                | 43   | 0.56                   | 1.91                           | 14.22  | 3.58     | 4.17      |
| 0   | (+32)                                     | 747  | 188                                | 219                                | 45   | 0.58                   | 2.37                           | 16.48  | 4.15     | 4.83      |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                                     |          |     | (Temp. de condensación 45°C (+113°F)) |                     |              |                      |           |       |
|----------------------------|-------|--|----------|-----|---------------------------------------|---------------------|--------------|----------------------|-----------|-------|
| @115V1300RPM               |       | Estática                                     |          |     |                                       |                     |              |                      |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración (Q <sub>e</sub> ) |          |     | Potencia de entrada (W <sub>e</sub> ) | Corriente eléctrica | Flujo másicc | Eficiencia EER & COP |           |       |
|                            |       | +/- 5%                                       |          |     | +/- 5%                                | +/- 5%              | +/- 5%       | +/- 7%               |           |       |
| °C                         | (°F)  | [Btu/h]                                      | [kcal/h] | [W] | [W]                                   | [A]                 | [kg/h]       | [Btu/Wh]             | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 118  | 30       | 35  | 21                                    | 0.36                | 0.37         | 5.55                 | 1.40      | 1.63  |
| -30                        | (-22) | 160  | 40       | 47  | 25                                    | 0.39                | 0.50         | 6.31                 | 1.59      | 1.85  |
| -25                        | (-13) | 213  | 54       | 62  | 30                                    | 0.43                | 0.67         | 7.11                 | 1.79      | 2.08  |
| -20                        | (- 4) | 280  | 70       | 82  | 35                                    | 0.48                | 0.88         | 8.01                 | 2.02      | 2.35  |
| -15                        | (+ 5) | 362  | 91       | 106 | 40                                    | 0.53                | 1.14         | 9.04                 | 2.28      | 2.65  |
| -10                        | (+14) | 463  | 117      | 136 | 45                                    | 0.58                | 1.46         | 10.25                | 2.58      | 3.00  |
| -5                         | (+23) | 583  | 147      | 171 | 50                                    | 0.63                | 1.84         | 11.67                | 2.94      | 3.42  |
| 0                          | (+32) | 725  | 183      | 212 | 54                                    | 0.67                | 2.30         | 13.36                | 3.37      | 3.91  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                                     |          |     | (Temp. de condensación 55°C (+131°F)) |                     |              |                      |           |       |
|----------------------------|-------|--|----------|-----|---------------------------------------|---------------------|--------------|----------------------|-----------|-------|
| @115V1300RPM               |       | Estática                                     |          |     |                                       |                     |              |                      |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración (Q <sub>e</sub> ) |          |     | Potencia de entrada (W <sub>e</sub> ) | Corriente eléctrica | Flujo másicc | Eficiencia EER & COP |           |       |
|                            |       | +/- 5%                                       |          |     | +/- 5%                                | +/- 5%              | +/- 5%       | +/- 7%               |           |       |
| °C                         | (°F)  | [Btu/h]                                      | [kcal/h] | [W] | [W]                                   | [A]                 | [kg/h]       | [Btu/Wh]             | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 97   | 24       | 28  | 22                                    | 0.36                | 0.30         | 4.50                 | 1.13      | 1.32  |
| -30                        | (-22) | 137  | 35       | 40  | 26                                    | 0.40                | 0.43         | 5.27                 | 1.33      | 1.54  |
| -25                        | (-13) | 190  | 48       | 56  | 32                                    | 0.46                | 0.60         | 6.01                 | 1.51      | 1.76  |
| -20                        | (- 4) | 257  | 65       | 75  | 38                                    | 0.53                | 0.81         | 6.77                 | 1.71      | 1.98  |
| -15                        | (+ 5) | 341  | 86       | 100 | 45                                    | 0.60                | 1.07         | 7.59                 | 1.91      | 2.22  |
| -10                        | (+14) | 443  | 112      | 130 | 52                                    | 0.67                | 1.40         | 8.51                 | 2.14      | 2.49  |
| -5                         | (+23) | 565  | 142      | 166 | 59                                    | 0.75                | 1.79         | 9.58                 | 2.41      | 2.81  |
| 0                          | (+32) | 710  | 179      | 208 | 66                                    | 0.82                | 2.25         | 10.84                | 2.73      | 3.18  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                                     |          |     | (Temp. de condensación 35°C (+95°F))  |                     |              |                      |           |       |
|----------------------------|-------|--|----------|-----|---------------------------------------|---------------------|--------------|----------------------|-----------|-------|
| @115V2000RPM               |       | Estática                                     |          |     |                                       |                     |              |                      |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración (Q <sub>e</sub> ) |          |     | Potencia de entrada (W <sub>e</sub> ) | Corriente eléctrica | Flujo másicc | Eficiencia EER & COP |           |       |
|                            |       | +/- 5%                                       |          |     | +/- 5%                                | +/- 5%              | +/- 5%       | +/- 7%               |           |       |
| °C                         | (°F)  | [Btu/h]                                      | [kcal/h] | [W] | [W]                                   | [A]                 | [kg/h]       | [Btu/Wh]             | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 202  | 51       | 59  | 33                                    | 0.44                | 0.63         | 6.18                 | 1.56      | 1.81  |
| -30                        | (-22) | 267  | 67       | 78  | 38                                    | 0.51                | 0.84         | 7.05                 | 1.78      | 2.07  |
| -25                        | (-13) | 352  | 89       | 103 | 44                                    | 0.56                | 1.10         | 8.07                 | 2.03      | 2.36  |
| -20                        | (- 4) | 457  | 115      | 134 | 50                                    | 0.62                | 1.44         | 9.23                 | 2.33      | 2.70  |
| -15                        | (+ 5) | 584  | 147      | 171 | 55                                    | 0.68                | 1.84         | 10.53                | 2.65      | 3.09  |
| -10                        | (+14) | 732  | 185      | 215 | 61                                    | 0.74                | 2.31         | 11.98                | 3.02      | 3.51  |
| -5                         | (+23) | 903  | 228      | 265 | 67                                    | 0.83                | 2.86         | 13.57                | 3.42      | 3.98  |
| 0                          | (+32) | 1097   | 276      | 321 | 71                                    | 0.95                | 3.48         | 15.31                | 3.86      | 4.49  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                        |          |     | (Temp. de condensación 45°C (+113°F)) |                     |              |                      |           |       |
|----------------------------|-------|---------------------------------|----------|-----|---------------------------------------|---------------------|--------------|----------------------|-----------|-------|
| @115V2000RPM               |       | Estática                        |          |     |                                       |                     |              |                      |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración (Qe) |          |     | Potencia de entrada (We)              | Corriente eléctrica | Flujo másicc | Eficiencia EER & COP |           |       |
|                            |       | +/- 5%                          |          |     | +/- 5%                                | +/- 5%              | +/- 5%       | +/- 7%               |           |       |
| °C                         | (°F)  | [Btu/h]                         | [kcal/h] | [W] | [W]                                   | [A]                 | [kg/h]       | [Btu/Wh]             | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 187                             | 47       | 55  | 34                                    | 0.46                | 0.59         | 5.57                 | 1.40      | 1.63  |
| -30                        | (-22) | 251                             | 63       | 74  | 40                                    | 0.54                | 0.79         | 6.30                 | 1.59      | 1.85  |
| -25                        | (-13) | 334                             | 84       | 98  | 47                                    | 0.61                | 1.05         | 7.13                 | 1.80      | 2.09  |
| -20                        | (- 4) | 438                             | 110      | 128 | 54                                    | 0.68                | 1.38         | 8.06                 | 2.03      | 2.36  |
| -15                        | (+ 5) | 562                             | 142      | 165 | 62                                    | 0.75                | 1.77         | 9.09                 | 2.29      | 2.66  |
| -10                        | (+14) | 709                             | 179      | 208 | 69                                    | 0.84                | 2.24         | 10.24                | 2.58      | 3.00  |
| -5                         | (+23) | 877                             | 221      | 257 | 76                                    | 0.95                | 2.77         | 11.48                | 2.89      | 3.37  |
| 0                          | (+32) | 1068                            | 269      | 313 | 83                                    | 1.08                | 3.39         | 12.84                | 3.24      | 3.76  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                        |          |     | (Temp. de condensación 55°C (+131°F)) |                     |              |                      |           |       |
|----------------------------|-------|---------------------------------|----------|-----|---------------------------------------|---------------------|--------------|----------------------|-----------|-------|
| @115V2000RPM               |       | Estática                        |          |     |                                       |                     |              |                      |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración (Qe) |          |     | Potencia de entrada (We)              | Corriente eléctrica | Flujo másicc | Eficiencia EER & COP |           |       |
|                            |       | +/- 5%                          |          |     | +/- 5%                                | +/- 5%              | +/- 5%       | +/- 7%               |           |       |
| °C                         | (°F)  | [Btu/h]                         | [kcal/h] | [W] | [W]                                   | [A]                 | [kg/h]       | [Btu/Wh]             | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 160                             | 40       | 47  | 34                                    | 0.46                | 0.50         | 4.73                 | 1.19      | 1.38  |
| -30                        | (-22) | 223                             | 56       | 65  | 41                                    | 0.56                | 0.70         | 5.42                 | 1.37      | 1.59  |
| -25                        | (-13) | 304                             | 77       | 89  | 49                                    | 0.65                | 0.96         | 6.17                 | 1.56      | 1.81  |
| -20                        | (- 4) | 406                             | 102      | 119 | 58                                    | 0.74                | 1.28         | 6.99                 | 1.76      | 2.05  |
| -15                        | (+ 5) | 529                             | 133      | 155 | 67                                    | 0.83                | 1.66         | 7.87                 | 1.98      | 2.31  |
| -10                        | (+14) | 672                             | 169      | 197 | 76                                    | 0.94                | 2.12         | 8.83                 | 2.22      | 2.59  |
| -5                         | (+23) | 838                             | 211      | 246 | 85                                    | 1.07                | 2.65         | 9.85                 | 2.48      | 2.89  |
| 0                          | (+32) | 1027                            | 259      | 301 | 94                                    | 1.23                | 3.25         | 10.94                | 2.76      | 3.21  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                        |          |     | (Temp. de condensación 35°C (+95°F)) |                     |              |                      |           |       |
|----------------------------|-------|---------------------------------|----------|-----|--------------------------------------|---------------------|--------------|----------------------|-----------|-------|
| @115V3000RPM               |       | Estática                        |          |     |                                      |                     |              |                      |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración (Qe) |          |     | Potencia de entrada (We)             | Corriente eléctrica | Flujo másicc | Eficiencia EER & COP |           |       |
|                            |       | +/- 5%                          |          |     | +/- 5%                               | +/- 5%              | +/- 5%       | +/- 7%               |           |       |
| °C                         | (°F)  | [Btu/h]                         | [kcal/h] | [W] | [W]                                  | [A]                 | [kg/h]       | [Btu/Wh]             | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 287                             | 72       | 84  | 50                                   | 0.61                | 0.90         | 5.72                 | 1.44      | 1.68  |
| -30                        | (-22) | 399                             | 101      | 117 | 60                                   | 0.76                | 1.25         | 6.69                 | 1.69      | 1.96  |
| -25                        | (-13) | 532                             | 134      | 156 | 69                                   | 0.88                | 1.67         | 7.67                 | 1.93      | 2.25  |
| -20                        | (- 4) | 690                             | 174      | 202 | 79                                   | 0.99                | 2.17         | 8.70                 | 2.19      | 2.55  |
| -15                        | (+ 5) | 878                             | 221      | 257 | 90                                   | 1.11                | 2.76         | 9.81                 | 2.47      | 2.87  |
| -10                        | (+14) | 1101                            | 277      | 323 | 100                                  | 1.26                | 3.47         | 11.02                | 2.78      | 3.23  |
| -5                         | (+23) | 1364                            | 344      | 400 | 110                                  | 1.48                | 4.31         | 12.38                | 3.12      | 3.63  |
| 0                          | (+32) | 1672                            | 421      | 490 | 120                                  | 1.78                | 5.30         | 13.92                | 3.51      | 4.08  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                                     |          |     | (Temp. de condensación 45°C (+113°F)) |                     |              |                      |           |       |
|----------------------------|-------|--|----------|-----|---------------------------------------|---------------------|--------------|----------------------|-----------|-------|
| @115V3000RPM               |       | Estática                                     |          |     |                                       |                     |              |                      |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración (Q <sub>e</sub> ) |          |     | Potencia de entrada (W <sub>e</sub> ) | Corriente eléctrica | Flujo másicc | Eficiencia EER & COP |           |       |
|                            |       | +/- 5%                                       |          |     | +/- 5%                                | +/- 5%              | +/- 5%       | +/- 7%               |           |       |
| °C                         | (°F)  | [Btu/h]                                      | [kcal/h] | [W] | [W]                                   | [A]                 | [kg/h]       | [Btu/Wh]             | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 257  | 65       | 75  | 51                                    | 0.63                | 0.81         | 5.02                 | 1.26      | 1.47  |
| -30                        | (-22) | 368  | 93       | 108 | 62                                    | 0.84                | 1.15         | 5.90                 | 1.49      | 1.73  |
| -25                        | (-13) | 499  | 126      | 146 | 73                                    | 0.99                | 1.57         | 6.79                 | 1.71      | 1.99  |
| -20                        | (- 4) | 654  | 165      | 192 | 85                                    | 1.11                | 2.06         | 7.71                 | 1.94      | 2.26  |
| -15                        | (+ 5) | 839  | 211      | 246 | 96                                    | 1.24                | 2.64         | 8.69                 | 2.19      | 2.55  |
| -10                        | (+14) | 1058   | 267      | 310 | 108                                   | 1.38                | 3.34         | 9.77                 | 2.46      | 2.86  |
| -5                         | (+23) | 1317   | 332      | 386 | 120                                   | 1.56                | 4.16         | 10.98                | 2.77      | 3.22  |
| 0                          | (+32) | 1620   | 408      | 475 | 132                                   | 1.82                | 5.14         | 12.35                | 3.11      | 3.62  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                                     |          |     | (Temp. de condensación 55°C (+131°F)) |                     |              |                      |           |       |
|----------------------------|-------|--|----------|-----|---------------------------------------|---------------------|--------------|----------------------|-----------|-------|
| @115V3000RPM               |       | Estática                                     |          |     |                                       |                     |              |                      |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración (Q <sub>e</sub> ) |          |     | Potencia de entrada (W <sub>e</sub> ) | Corriente eléctrica | Flujo másicc | Eficiencia EER & COP |           |       |
|                            |       | +/- 5%                                       |          |     | +/- 5%                                | +/- 5%              | +/- 5%       | +/- 7%               |           |       |
| °C                         | (°F)  | [Btu/h]                                      | [kcal/h] | [W] | [W]                                   | [A]                 | [kg/h]       | [Btu/Wh]             | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 241  | 61       | 71  | 52                                    | 0.65                | 0.76         | 4.65                 | 1.17      | 1.36  |
| -30                        | (-22) | 346  | 87       | 101 | 64                                    | 0.91                | 1.08         | 5.41                 | 1.36      | 1.59  |
| -25                        | (-13) | 469  | 118      | 137 | 76                                    | 1.11                | 1.47         | 6.16                 | 1.55      | 1.80  |
| -20                        | (- 4) | 616  | 155      | 181 | 89                                    | 1.26                | 1.94         | 6.92                 | 1.74      | 2.03  |
| -15                        | (+ 5) | 792  | 200      | 232 | 103                                   | 1.39                | 2.49         | 7.73                 | 1.95      | 2.27  |
| -10                        | (+14) | 1002   | 253      | 294 | 116                                   | 1.53                | 3.16         | 8.63                 | 2.17      | 2.53  |
| -5                         | (+23) | 1251   | 315      | 367 | 130                                   | 1.70                | 3.96         | 9.64                 | 2.43      | 2.82  |
| 0                          | (+32) | 1544   | 389      | 452 | 143                                   | 1.92                | 4.90         | 10.80                | 2.72      | 3.16  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                                     |          |     | (Temp. de condensación 35°C (+95°F))  |                     |              |                      |           |       |
|----------------------------|-------|--|----------|-----|---------------------------------------|---------------------|--------------|----------------------|-----------|-------|
| @115V4000RPM               |       | Estática                                     |          |     |                                       |                     |              |                      |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración (Q <sub>e</sub> ) |          |     | Potencia de entrada (W <sub>e</sub> ) | Corriente eléctrica | Flujo másicc | Eficiencia EER & COP |           |       |
|                            |       | +/- 5%                                       |          |     | +/- 5%                                | +/- 5%              | +/- 5%       | +/- 7%               |           |       |
| °C                         | (°F)  | [Btu/h]                                      | [kcal/h] | [W] | [W]                                   | [A]                 | [kg/h]       | [Btu/Wh]             | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 358  | 90       | 105 | 64                                    | 0.77                | 1.12         | 5.60                 | 1.41      | 1.64  |
| -30                        | (-22) | 509  | 128      | 149 | 77                                    | 0.98                | 1.59         | 6.59                 | 1.66      | 1.93  |
| -25                        | (-13) | 695  | 175      | 204 | 93                                    | 1.21                | 2.18         | 7.48                 | 1.88      | 2.19  |
| -20                        | (- 4) | 917  | 231      | 269 | 111                                   | 1.45                | 2.88         | 8.30                 | 2.09      | 2.43  |
| -15                        | (+ 5) | 1173   | 296      | 344 | 129                                   | 1.70                | 3.69         | 9.11                 | 2.30      | 2.67  |
| -10                        | (+14) | 1463   | 369      | 429 | 148                                   | 1.97                | 4.61         | 9.96                 | 2.51      | 2.92  |
| -5                         | (+23) | 1787   | 450      | 524 | 164                                   | 2.26                | 5.65         | 10.88                | 2.74      | 3.19  |
| 0                          | (+32) | 2145   | 540      | 628 | 177                                   | 2.57                | 6.80         | 11.92                | 3.00      | 3.49  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                                     |          |     | (Temp. de condensación 45°C (+113°F)) |                     |              |                      |           |       |
|----------------------------|-------|--|----------|-----|---------------------------------------|---------------------|--------------|----------------------|-----------|-------|
| @115V4000RPM               |       | Estática                                     |          |     |                                       |                     |              |                      |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración (Q <sub>e</sub> ) |          |     | Potencia de entrada (W <sub>e</sub> ) | Corriente eléctrica | Flujo másicc | Eficiencia EER & COP |           |       |
|                            |       | +/- 5%                                       |          |     | +/- 5%                                | +/- 5%              | +/- 5%       | +/- 7%               |           |       |
| °C                         | (°F)  | [Btu/h]                                      | [kcal/h] | [W] | [W]                                   | [A]                 | [kg/h]       | [Btu/Wh]             | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 315  | 79       | 92  | 65                                    | 0.77                | 0.99         | 4.91                 | 1.24      | 1.44  |
| -30                        | (-22) | 453  | 114      | 133 | 78                                    | 1.03                | 1.42         | 5.79                 | 1.46      | 1.70  |
| -25                        | (-13) | 632  | 159      | 185 | 95                                    | 1.29                | 1.98         | 6.59                 | 1.66      | 1.93  |
| -20                        | (- 4) | 851  | 214      | 249 | 115                                   | 1.55                | 2.67         | 7.36                 | 1.85      | 2.16  |
| -15                        | (+ 5) | 1109   | 280      | 325 | 136                                   | 1.83                | 3.49         | 8.14                 | 2.05      | 2.39  |
| -10                        | (+14) | 1408   | 355      | 412 | 157                                   | 2.11                | 4.44         | 8.99                 | 2.26      | 2.63  |
| -5                         | (+23) | 1745   | 440      | 511 | 176                                   | 2.41                | 5.52         | 9.93                 | 2.50      | 2.91  |
| 0                          | (+32) | 2121   | 534      | 621 | 193                                   | 2.72                | 6.72         | 11.03                | 2.78      | 3.23  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                                     |          |     | (Temp. de condensación 55°C (+131°F)) |                     |              |                      |           |       |
|----------------------------|-------|--|----------|-----|---------------------------------------|---------------------|--------------|----------------------|-----------|-------|
| @115V4000RPM               |       | Estática                                     |          |     |                                       |                     |              |                      |           |       |
| Temperatura de evaporación |       | Capacidad de refrigeración (Q <sub>e</sub> ) |          |     | Potencia de entrada (W <sub>e</sub> ) | Corriente eléctrica | Flujo másicc | Eficiencia EER & COP |           |       |
|                            |       | +/- 5%                                       |          |     | +/- 5%                                | +/- 5%              | +/- 5%       | +/- 7%               |           |       |
| °C                         | (°F)  | [Btu/h]                                      | [kcal/h] | [W] | [W]                                   | [A]                 | [kg/h]       | [Btu/Wh]             | [kcal/Wh] | [W/W] |
| -35                        | (-31) | 303  | 76       | 89  | 65                                    | 0.83                | 0.95         | 4.63                 | 1.17      | 1.36  |
| -30                        | (-22) | 414  | 104      | 121 | 79                                    | 1.11                | 1.30         | 5.30                 | 1.34      | 1.55  |
| -25                        | (-13) | 571  | 144      | 167 | 97                                    | 1.39                | 1.79         | 5.92                 | 1.49      | 1.74  |
| -20                        | (- 4) | 773  | 195      | 227 | 118                                   | 1.67                | 2.43         | 6.54                 | 1.65      | 1.92  |
| -15                        | (+ 5) | 1021   | 257      | 299 | 141                                   | 1.96                | 3.21         | 7.21                 | 1.82      | 2.11  |
| -10                        | (+14) | 1313   | 331      | 385 | 164                                   | 2.24                | 4.14         | 7.96                 | 2.01      | 2.33  |
| -5                         | (+23) | 1649   | 416      | 483 | 187                                   | 2.53                | 5.22         | 8.84                 | 2.23      | 2.59  |
| 0                          | (+32) | 2029   | 511      | 595 | 207                                   | 2.83                | 6.43         | 9.90                 | 2.50      | 2.90  |

**F - CARACTERÍSTICAS EXTERNAS**

|                                      |                |      |           |
|--------------------------------------|----------------|------|-----------|
| 1 Placa base                         |                |      |           |
| 2 Soporte de badeja                  | Sí             |      |           |
| 3 Tubos                              |                |      |           |
| 3.1 SUCCIÓN                          | 6.1            | [mm] | (0.240" ) |
| 3.1.1 Material                       |                |      |           |
| 3.1.2 Forma                          |                |      |           |
| 3.2 DESCARGA                         | 5.1            | [mm] | (0.201" ) |
| 3.2.1 Material                       |                |      |           |
| 3.2.2 Forma                          |                |      |           |
| 3.3 PROCESO                          | 6              | [mm] | (0.236" ) |
| 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 |      |           |