

### DEFINICIÓN DEL COMPRESOR

|                              |                 |
|------------------------------|-----------------|
| Denominación                 | FMS Y11C        |
| Voltage / Frecuencia nominal | 230 V 90-315 Hz |
| Código de Ingeniería         | 518000026       |

### A - APLICACIÓN / CONDICIONES LÍMITES DE TRABAJO

|   |                               |                                   |           |
|---|-------------------------------|-----------------------------------|-----------|
| 1 Tipo                                  | Compresor recíproco           |                                   |           |
| 2 Refrigerante                          | R-600a                        |                                   |           |
| 3 Voltaje y frecuencia nominal          | 230 / 90-315                  | [ 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               | 7.87           | [cm <sup>3</sup> ] (0.480 cu.in) |
| 2.1 Diametro [mm]              | 22.500         |                                  |
| 2.2 Curso [mm]                 | 19.800         |                                  |
| 3 Carga de aceite              | 140            | [ml] (4.73 fl.oz.)               |
| 3.1 Aceites aprobados          |                |                                  |
| 3.2 Tipo/Viscosidad del aceite | ALQUILB / ISO5 |                                  |
| 4 Peso (com carga de aceite)   | 3.58           | [kg] (7.89 lb.)                  |
| 5 Carga de nitrógeno           | -              | [kgf/cm <sup>2</sup> ]           |

### C - DATOS ELÉCTRICOS

|   |                                  |                           |
|---|----------------------------------|---------------------------|
| 1 Voltaje nominal/Frecuencia/Numero de fases      | 230 V 90-315 Hz 3~ (Trifásico)   |                           |
| 2 Tipo de Dispositivo de Arranque                 | Inverter                         |                           |
| 2.1 Dispositivo de Arranque                       | CF02F01L                         |                           |
| 3 Capacitor de Arranque                           | -                                | [µF(VAC minimo)]          |
| 4 Capacitor de marcha                             | -                                | [µF(VAC minimo)]          |
| 5 Protección del motor                            | CF02F01 L 00 XX F                |                           |
| 6 Resistencia del motor - bobina arranque         | 15.35                            | [Ω en 25°C (77°F)] +/- 8% |
| 7 Resistencia del motor - bobina marcha           | 15.35                            | [Ω en 25°C (77°F)] +/- 8% |
| 8 LRA - Corriente com rotor trabado (90/315 Hz)   | 2.17                             | [A] - Medido según UL 984 |
| 9 FLA - Corriente a plena carga L/MBP (90/315 Hz) | 1.25                             | [A] - Medido según UL 984 |
| 10 FLA - Corriente a plena carga HBP (90/315 Hz)  | -                                | [A] - Medido según UL 984 |
| 11 Institutos de aprobación                       | CE - NOM - TUV - UKCA - UL - VDE |                           |

### D - PERFORMANCE - DATOS CHECK POINT

|   |          |     |                                       |                                |   |  |           |       |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@115V1800RPM</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] |
| 282   | 71       | 83  | 50                                    | 0.96                           | 0.89  | 5.70   | 1.44      | 1.67  |

|   |          |     |                                       |                                |   |  |           |       |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@115V2800RPM</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] |
| 423   | 107      | 124 | 72                                    | 1.34                           | 1.33  | 5.87   | 1.48      | 1.72  |

|   |          |     |                                       |                                |   |  |           |       |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@115V4000RPM</b> |          |     | <b>ASHRAELBP32</b><br><b>Estática</b> |                                | Temperatura de evaporación<br>(Temp. de condensación) | <b>-23.3°C (-9.94°F)</b><br><b>54.4°C (129.92°F)</b> |           |       |
| Capacidad de refrigeración<br>+/- 5%          |          |     | Consumo de potencia<br>+/- 5%         | Consumo de corriente<br>+/- 5% | Flujo de masa<br>+/- 5%                               | RANGO DE EFICIENCIA<br>+/- 7%                        |           |       |
| [Btu/h]                                       | [kcal/h] | [W] | [W]                                   | [A]                            | [kg/h]  | [Btu/Wh]   | [kcal/Wh] | [W/W] |
| 614   | 155      | 180 | 105                                   | 1.89                           | 1.93  | 5.83   | 1.47      | 1.71  |

|   |          |     |                                       |                                |   |  |           |       |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@115V5000RPM</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] |
| 750   | 189      | 220 | 133                                   | 2.34                           | 2.35  | 5.63   | 1.42      | 1.65  |

|   |          |     |                                       |                                |   |  |           |       |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA:<br><b>@115V6300RPM</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] |
| 900   | 227      | 264 | 170                                   | 2.90                           | 2.83  | 5.28   | 1.33      | 1.55  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 35°C (+95°F)) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|--------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V1800RPM               |                            | 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)                  | 169                        | 43       | 49  | 30                  | 0.48                                 | 0.53          | 5.69                | 1.43      | 1.67  |  |
| -30 (-22)                  | 223                        | 56       | 65  | 35                  | 0.59                                 | 0.70          | 6.35                | 1.60      | 1.86  |  |
| -25 (-13)                  | 292                        | 74       | 86  | 41                  | 0.67                                 | 0.92          | 7.13                | 1.80      | 2.09  |  |
| -20 (- 4)                  | 377                        | 95       | 110 | 47                  | 0.74                                 | 1.18          | 8.06                | 2.03      | 2.36  |  |
| -15 (+ 5)                  | 480                        | 121      | 141 | 53                  | 0.80                                 | 1.51          | 9.17                | 2.31      | 2.69  |  |
| -10 (+14)                  | 603                        | 152      | 177 | 58                  | 0.88                                 | 1.90          | 10.49               | 2.64      | 3.07  |  |
| -5 (+23)                   | 747                        | 188      | 219 | 62                  | 1.00                                 | 2.36          | 12.03               | 3.03      | 3.53  |  |
| 0 (+32)                    | 915                        | 231      | 268 | 65                  | 1.17                                 | 2.90          | 13.83               | 3.49      | 4.05  |  |

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 45°C (+113°F)) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V1800RPM               |                            | 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)                  | 158                        | 40       | 46  | 31                  | 0.48                                  | 0.50          | 5.18                | 1.31      | 1.52  |  |
| -30 (-22)                  | 211                        | 53       | 62  | 37                  | 0.65                                  | 0.66          | 5.71                | 1.44      | 1.67  |  |
| -25 (-13)                  | 278                        | 70       | 81  | 44                  | 0.77                                  | 0.87          | 6.31                | 1.59      | 1.85  |  |
| -20 (- 4)                  | 361                        | 91       | 106 | 51                  | 0.86                                  | 1.13          | 7.00                | 1.76      | 2.05  |  |
| -15 (+ 5)                  | 463                        | 117      | 136 | 59                  | 0.95                                  | 1.46          | 7.81                | 1.97      | 2.29  |  |
| -10 (+14)                  | 586                        | 148      | 172 | 67                  | 1.04                                  | 1.85          | 8.78                | 2.21      | 2.57  |  |
| -5 (+23)                   | 730                        | 184      | 214 | 74                  | 1.15                                  | 2.31          | 9.91                | 2.50      | 2.90  |  |
| 0 (+32)                    | 898                        | 226      | 263 | 80                  | 1.31                                  | 2.85          | 11.25               | 2.84      | 3.30  |  |

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 55°C (+131°F)) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V1800RPM               |                            | 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)                  | 139                        | 35       | 41  | 31                  | 0.51                                  | 0.43          | 4.52                | 1.14      | 1.33  |  |
| -30 (-22)                  | 189                        | 48       | 56  | 38                  | 0.73                                  | 0.59          | 5.01                | 1.26      | 1.47  |  |
| -25 (-13)                  | 255                        | 64       | 75  | 47                  | 0.90                                  | 0.80          | 5.50                | 1.39      | 1.61  |  |
| -20 (- 4)                  | 338                        | 85       | 99  | 56                  | 1.03                                  | 1.06          | 6.04                | 1.52      | 1.77  |  |
| -15 (+ 5)                  | 440                        | 111      | 129 | 66                  | 1.13                                  | 1.38          | 6.64                | 1.67      | 1.94  |  |
| -10 (+14)                  | 562                        | 142      | 165 | 77                  | 1.23                                  | 1.77          | 7.33                | 1.85      | 2.15  |  |
| -5 (+23)                   | 707                        | 178      | 207 | 87                  | 1.35                                  | 2.24          | 8.14                | 2.05      | 2.39  |  |
| 0 (+32)                    | 876                        | 221      | 257 | 97                  | 1.49                                  | 2.78          | 9.10                | 2.29      | 2.67  |  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 35°C (+95°F)) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|--------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V2800RPM               |                            | 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)                  | 252                        | 64       | 74  | 44                  | 0.71                                 | 0.79          | 5.70                | 1.44      | 1.67  |  |
| -30 (-22)                  | 338                        | 85       | 99  | 53                  | 0.88                                 | 1.06          | 6.39                | 1.61      | 1.87  |  |
| -25 (-13)                  | 446                        | 112      | 131 | 62                  | 1.00                                 | 1.40          | 7.20                | 1.81      | 2.11  |  |
| -20 (- 4)                  | 578                        | 146      | 169 | 71                  | 1.11                                 | 1.82          | 8.14                | 2.05      | 2.39  |  |
| -15 (+ 5)                  | 736                        | 185      | 216 | 80                  | 1.22                                 | 2.32          | 9.21                | 2.32      | 2.70  |  |
| -10 (+14)                  | 921                        | 232      | 270 | 89                  | 1.35                                 | 2.90          | 10.40               | 2.62      | 3.05  |  |
| -5 (+23)                   | 1133                       | 286      | 332 | 97                  | 1.53                                 | 3.58          | 11.70               | 2.95      | 3.43  |  |
| 0 (+32)                    | 1375                       | 346      | 403 | 104                 | 1.77                                 | 4.36          | 13.10               | 3.30      | 3.84  |  |

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 45°C (+113°F)) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V2800RPM               |                            | 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)                  | 239                        | 60       | 70  | 46                  | 0.71                                  | 0.75          | 5.18                | 1.31      | 1.52  |  |
| -30 (-22)                  | 317                        | 80       | 93  | 55                  | 0.94                                  | 0.99          | 5.73                | 1.44      | 1.68  |  |
| -25 (-13)                  | 420                        | 106      | 123 | 66                  | 1.11                                  | 1.32          | 6.40                | 1.61      | 1.87  |  |
| -20 (- 4)                  | 549                        | 138      | 161 | 76                  | 1.25                                  | 1.72          | 7.17                | 1.81      | 2.10  |  |
| -15 (+ 5)                  | 704                        | 177      | 206 | 87                  | 1.38                                  | 2.22          | 8.04                | 2.03      | 2.36  |  |
| -10 (+14)                  | 888                        | 224      | 260 | 99                  | 1.52                                  | 2.80          | 9.00                | 2.27      | 2.64  |  |
| -5 (+23)                   | 1101                       | 277      | 323 | 109                 | 1.69                                  | 3.48          | 10.06               | 2.54      | 2.95  |  |
| 0 (+32)                    | 1345                       | 339      | 394 | 120                 | 1.91                                  | 4.26          | 11.21               | 2.82      | 3.28  |  |

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 55°C (+131°F)) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V2800RPM               |                            | 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)                  | 213                        | 54       | 62  | 46                  | 0.76                                  | 0.67          | 4.64                | 1.17      | 1.36  |  |
| -30 (-22)                  | 285                        | 72       | 84  | 56                  | 1.04                                  | 0.89          | 5.10                | 1.29      | 1.49  |  |
| -25 (-13)                  | 383                        | 96       | 112 | 68                  | 1.26                                  | 1.20          | 5.64                | 1.42      | 1.65  |  |
| -20 (- 4)                  | 508                        | 128      | 149 | 81                  | 1.43                                  | 1.60          | 6.27                | 1.58      | 1.84  |  |
| -15 (+ 5)                  | 661                        | 167      | 194 | 95                  | 1.58                                  | 2.08          | 6.98                | 1.76      | 2.05  |  |
| -10 (+14)                  | 844                        | 213      | 247 | 109                 | 1.73                                  | 2.66          | 7.76                | 1.96      | 2.27  |  |
| -5 (+23)                   | 1057                       | 266      | 310 | 123                 | 1.89                                  | 3.34          | 8.61                | 2.17      | 2.52  |  |
| 0 (+32)                    | 1303                       | 328      | 382 | 137                 | 2.09                                  | 4.13          | 9.52                | 2.40      | 2.79  |  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 35°C (+95°F) ) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V4000RPM               |                            | Estática |     |                     |                                       |               |                     |           |       |  |
| Temperatura de evaporación | Capacidad de refrigeración |          |     | Consumo de potencia | Consumo de corriente                  | Flujo de masa | RANGO DE EFICIENCIA |           |       |  |
|                            | +/- 5%                     |          |     | +/- 5%              | +/- 5%                                | +/- 5%        | +/- 7%              |           |       |  |
| °C (°F)                    | [Btu/h]                    | [kcal/h] | [W] | [W]                 | [A]                                   | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |  |
| -35 (-31)                  | 350                        | 88       | 103 | 65                  | 1.03                                  | 1.10          | 5.39                | 1.36      | 1.58  |  |
| -30 (-22)                  | 477                        | 120      | 140 | 76                  | 1.24                                  | 1.49          | 6.21                | 1.56      | 1.82  |  |
| -25 (-13)                  | 628                        | 158      | 184 | 90                  | 1.43                                  | 1.97          | 6.96                | 1.75      | 2.04  |  |
| -20 (- 4)                  | 809                        | 204      | 237 | 105                 | 1.61                                  | 2.54          | 7.73                | 1.95      | 2.26  |  |
| -15 (+ 5)                  | 1025                       | 258      | 300 | 119                 | 1.80                                  | 3.23          | 8.60                | 2.17      | 2.52  |  |
| -10 (+14)                  | 1280                       | 323      | 375 | 133                 | 2.00                                  | 4.04          | 9.65                | 2.43      | 2.83  |  |
| -5 (+23)                   | 1581                       | 398      | 463 | 144                 | 2.22                                  | 5.00          | 10.99               | 2.77      | 3.22  |  |
| 0 (+32)                    | 1932                       | 487      | 566 | 151                 | 2.48                                  | 6.12          | 12.69               | 3.20      | 3.72  |  |

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 45°C (+113°F) ) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|--|---------------|---------------------|-----------|-------|--|
| @115V4000RPM               |                            | Estática |     |                     |  |               |                     |           |       |  |
| Temperatura de evaporación | Capacidad de refrigeración |          |     | Consumo de potencia | Consumo de corriente                   | Flujo de masa | RANGO DE EFICIENCIA |           |       |  |
|                            | +/- 5%                     |          |     | +/- 5%              | +/- 5%                                 | +/- 5%        | +/- 7%              |           |       |  |
| °C (°F)                    | [Btu/h]                    | [kcal/h] | [W] | [W]                 | [A]                                    | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |  |
| -35 (-31)                  | 311                        | 78       | 91  | 64                  | 0.98                                   | 0.97          | 4.86                | 1.23      | 1.42  |  |
| -30 (-22)                  | 441                        | 111      | 129 | 79                  | 1.31                                   | 1.38          | 5.57                | 1.40      | 1.63  |  |
| -25 (-13)                  | 594                        | 150      | 174 | 95                  | 1.58                                   | 1.86          | 6.23                | 1.57      | 1.82  |  |
| -20 (- 4)                  | 776                        | 196      | 227 | 112                 | 1.80                                   | 2.44          | 6.91                | 1.74      | 2.02  |  |
| -15 (+ 5)                  | 992                        | 250      | 291 | 129                 | 1.99                                   | 3.12          | 7.70                | 1.94      | 2.26  |  |
| -10 (+14)                  | 1248                       | 314      | 366 | 143                 | 2.16                                   | 3.94          | 8.70                | 2.19      | 2.55  |  |
| -5 (+23)                   | 1548                       | 390      | 454 | 155                 | 2.31                                   | 4.89          | 9.99                | 2.52      | 2.93  |  |
| 0 (+32)                    | 1898                       | 478      | 556 | 163                 | 2.46                                   | 6.02          | 11.65               | 2.94      | 3.41  |  |

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 55°C (+131°F) ) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|--|---------------|---------------------|-----------|-------|--|
| @115V4000RPM               |                            | Estática |     |                     |  |               |                     |           |       |  |
| Temperatura de evaporación | Capacidad de refrigeración |          |     | Consumo de potencia | Consumo de corriente                   | Flujo de masa | RANGO DE EFICIENCIA |           |       |  |
|                            | +/- 5%                     |          |     | +/- 5%              | +/- 5%                                 | +/- 5%        | +/- 7%              |           |       |  |
| °C (°F)                    | [Btu/h]                    | [kcal/h] | [W] | [W]                 | [A]                                    | [kg/h]        | [Btu/Wh]            | [kcal/Wh] | [W/W] |  |
| -35 (-31)                  | 278                        | 70       | 81  | 63                  | 1.02                                   | 0.87          | 4.40                | 1.11      | 1.29  |  |
| -30 (-22)                  | 405                        | 102      | 119 | 81                  | 1.45                                   | 1.27          | 5.02                | 1.27      | 1.47  |  |
| -25 (-13)                  | 555                        | 140      | 163 | 99                  | 1.78                                   | 1.74          | 5.60                | 1.41      | 1.64  |  |
| -20 (- 4)                  | 733                        | 185      | 215 | 118                 | 2.03                                   | 2.30          | 6.21                | 1.57      | 1.82  |  |
| -15 (+ 5)                  | 945                        | 238      | 277 | 136                 | 2.21                                   | 2.98          | 6.96                | 1.75      | 2.04  |  |
| -10 (+14)                  | 1196                       | 301      | 350 | 151                 | 2.33                                   | 3.77          | 7.91                | 1.99      | 2.32  |  |
| -5 (+23)                   | 1490                       | 375      | 437 | 163                 | 2.39                                   | 4.71          | 9.17                | 2.31      | 2.69  |  |
| 0 (+32)                    | 1834                       | 462      | 537 | 170                 | 2.42                                   | 5.81          | 10.81               | 2.72      | 3.17  |  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 35°C (+95°F)) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|--------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V6300RPM               |                            | 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)                  | 522                        | 132      | 153 | 107                 | 1.68                                 | 1.63          | 4.88                | 1.23      | 1.43  |  |
| -30 (-22)                  | 690                        | 174      | 202 | 127                 | 2.17                                 | 2.16          | 5.48                | 1.38      | 1.61  |  |
| -25 (-13)                  | 925                        | 233      | 271 | 150                 | 2.30                                 | 2.90          | 6.18                | 1.56      | 1.81  |  |
| -20 (- 4)                  | 1204                       | 303      | 353 | 173                 | 2.29                                 | 3.78          | 6.95                | 1.75      | 2.04  |  |
| -15 (+ 5)                  | 1505                       | 379      | 441 | 194                 | 2.37                                 | 4.74          | 7.76                | 1.96      | 2.27  |  |
| -10 (+14)                  | 1805                       | 455      | 529 | 211                 | 2.74                                 | 5.69          | 8.59                | 2.17      | 2.52  |  |
| -5 (+23)                   | 2082                       | 525      | 610 | 221                 | 3.64                                 | 6.58          | 9.41                | 2.37      | 2.76  |  |
| 0 (+32)                    | 2314                       | 583      | 678 | 223                 | 5.28                                 | 7.34          | 10.20               | 2.57      | 2.99  |  |

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 45°C (+113°F)) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V6300RPM               |                            | 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)                  | 488                        | 123      | 143 | 106                 | 1.61                                  | 1.53          | 4.59                | 1.16      | 1.34  |  |
| -30 (-22)                  | 651                        | 164      | 191 | 130                 | 2.25                                  | 2.04          | 5.08                | 1.28      | 1.49  |  |
| -25 (-13)                  | 877                        | 221      | 257 | 155                 | 2.47                                  | 2.75          | 5.68                | 1.43      | 1.66  |  |
| -20 (- 4)                  | 1145                       | 288      | 335 | 180                 | 2.50                                  | 3.60          | 6.36                | 1.60      | 1.86  |  |
| -15 (+ 5)                  | 1431                       | 361      | 419 | 201                 | 2.56                                  | 4.51          | 7.11                | 1.79      | 2.08  |  |
| -10 (+14)                  | 1715                       | 432      | 502 | 218                 | 2.87                                  | 5.41          | 7.90                | 1.99      | 2.32  |  |
| -5 (+23)                   | 1973                       | 497      | 578 | 227                 | 3.64                                  | 6.24          | 8.70                | 2.19      | 2.55  |  |
| 0 (+32)                    | 2183                       | 550      | 640 | 226                 | 5.10                                  | 6.92          | 9.48                | 2.39      | 2.78  |  |

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 55°C (+131°F)) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V6300RPM               |                            | 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)                  | 444                        | 112      | 130 | 110                 | 1.73                                  | 1.39          | 4.05                | 1.02      | 1.19  |  |
| -30 (-22)                  | 598                        | 151      | 175 | 136                 | 2.50                                  | 1.88          | 4.47                | 1.13      | 1.31  |  |
| -25 (-13)                  | 814                        | 205      | 239 | 162                 | 2.80                                  | 2.56          | 5.03                | 1.27      | 1.47  |  |
| -20 (- 4)                  | 1068                       | 269      | 313 | 187                 | 2.85                                  | 3.36          | 5.68                | 1.43      | 1.67  |  |
| -15 (+ 5)                  | 1339                       | 337      | 392 | 208                 | 2.87                                  | 4.22          | 6.43                | 1.62      | 1.88  |  |
| -10 (+14)                  | 1604                       | 404      | 470 | 223                 | 3.09                                  | 5.06          | 7.22                | 1.82      | 2.12  |  |
| -5 (+23)                   | 1840                       | 464      | 539 | 229                 | 3.72                                  | 5.82          | 8.05                | 2.03      | 2.36  |  |
| 0 (+32)                    | 2026                       | 511      | 594 | 224                 | 4.98                                  | 6.43          | 8.88                | 2.24      | 2.60  |  |

### F - CARACTERÍSTICAS EXTERNAS

|                                      |                           |      |                          |
|--------------------------------------|---------------------------|------|--------------------------|
| 1 Placa base                         |                           |      |                          |
| 2 Soporte de badeja                  | No                        |      |                          |
| 3 Tubos                              |                           |      |                          |
| 3.1 SUCCIÓN                          | 6.5 +0.12/-0.08           | [mm] | (0.256" +0.005"/-0.003") |
| 3.1.1 Material                       | Cobre                     |      |                          |
| 3.1.2 Forma                          | Curvo Paralelo Placa base |      |                          |
| 3.2 DESCARGA                         | 4.94                      | [mm] | (0.194" )                |
| 3.2.1 Material                       |                           |      |                          |
| 3.2.2 Forma                          |                           |      |                          |
| 3.3 PROCESO                          | 6.5 +0.12/-0.08           | [mm] | (0.256" +0.005"/-0.003") |
| 3.3.1 Material                       | Cobre                     |      |                          |
| 3.3.2 Forma                          | Recto                     |      |                          |
| 3.4 Tubo enfriador de aceite (Cobre) | No                        | [mm] |                          |
| 3.5 Sellado del tudo                 | Tampa de Gomma            |      |                          |