

### DEFINICIÓN DEL COMPRESOR

|                              |                        |
|------------------------------|------------------------|
| Denominación                 | <b>VES D11C</b>        |
| Voltage / Frecuencia nominal | <b>230 V 40-150 Hz</b> |
| Código de Ingeniería         | <b>513907042</b>       |

### A - APLICACIÓN / CONDICIONES LÍMITES DE TRABAJO

|  |                               |                                   |                |
|--|-------------------------------|-----------------------------------|----------------|
| 1 Tipo                                       | Compresor recíproco           |                                   |                |
| 2 Refrigerante                               | R-600a                        |                                   |                |
| 3 Voltaje y frecuencia nominal               | 230 / 40-150                  | [ V / Hz ]                        |                |
| 4 Tipo de aplicación                         |                               |                                   |                |
| 4.1 Rango de temperatura de evaporación      | -35°C para -10°C              | (-31°F para 14°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)          | Estática                      | 187 para 255 V                    | 187 para 255 V |
| 8.2 LBP (43°C Temperatura ambiente)          | Estática                      | 187 para 255 V                    | 187 para 255 V |
| 8.3 HBP (32°C Temperatura ambiente)          | -                             | -                                 | -              |
| 8.4 HBP (43°C Temperatura ambiente)          | -                             | -                                 | -              |
| 9 Máxima presión/temperatura de condensación |                               |                                   |                |
| 9.1 Operación (gauge)                        | 7.7                           | [kgf/cm <sup>2</sup> ] (109 psig) | / °C - °F      |
| 9.2 Pico (gauge)                             | 9.8                           | [kgf/cm <sup>2</sup> ] (139 psig) | / °C - °F      |
| 10 Máxima temperatura de las bobinas         | 130                           | [ °C ]                            |                |

### B - DATOS MECÁNICOS

|                                |                |                                  |
|--------------------------------|----------------|----------------------------------|
| 1 Referencia Comercial         | 1/5            | [hp]                             |
| 2 Desplazamiento               | 11.14          | [cm <sup>3</sup> ] (0.680 cu.in) |
| 2.1 Diametro [mm]              | 26.000         |                                  |
| 2.2 Curso [mm]                 | 21.000         |                                  |
| 3 Carga de aceite              | 190            | [ml] (6.42 fl.oz.)               |
| 3.1 Aceites aprobados          |                |                                  |
| 3.2 Tipo/Viscosidad del aceite | ALQUILB / ISO5 |                                  |
| 4 Peso (com carga de aceite)   | 6.76           | [kg] (14.90 lb.)                 |
| 5 Carga de nitrógeno           | -              | [kgf/cm <sup>2</sup> ]           |

### C - DATOS ELÉCTRICOS

|   |                                 |                           |
|---|---------------------------------|---------------------------|
| 1 Voltaje nominal/Frecuencia/Numero de fases      | 230 V 40-150 Hz 3 ~ (Trifásico) |                           |
| 2 Tipo de Dispositivo de Arranque                 | Inverter                        |                           |
| 2.1 Dispositivo de Arranque                       | VES 2456 XX X X                 |                           |
| 3 Capacitor de Arranque                           | -                               | [µF(VAC minimo)]          |
| 4 Capacitor de marcha                             | -                               | [µF(VAC minimo)]          |
| 5 Protección del motor                            | INVERTER VES 2456X              |                           |
| 6 Resistencia del motor - bobina arranque         | 9.60                            | [Ω en 25°C (77°F)] +/- 8% |
| 7 Resistencia del motor - bobina marcha           | 9.60                            | [Ω en 25°C (77°F)] +/- 8% |
| 8 LRA - Corriente com rotor trabado (40/150 Hz)   | 2.10                            | [A] - Medido según UL 984 |
| 9 FLA - Corriente a plena carga L/MBP (40/150 Hz) | 2.10                            | [A] - Medido según UL 984 |
| 10 FLA - Corriente a plena carga HBP (40/150 Hz)  | -                               | [A] - Medido según UL 984 |
| 11 Institutos de aprobación                       | CCC - VDE                       |                           |

### D - PERFORMANCE - DATOS CHECK POINT

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 35°C (+95°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)                  | 177                        | 45       | 52  | 28                  | 0.22                                 | 0.56          | 6.43                | 1.62      | 1.88  |  |
| -30 (-22)                  | 237                        | 60       | 69  | 32                  | 0.26                                 | 0.74          | 7.30                | 1.84      | 2.14  |  |
| -25 (-13)                  | 309                        | 78       | 90  | 37                  | 0.29                                 | 0.97          | 8.26                | 2.08      | 2.42  |  |
| -20 (- 4)                  | 396                        | 100      | 116 | 42                  | 0.33                                 | 1.24          | 9.36                | 2.36      | 2.74  |  |
| -15 (+ 5)                  | 499                        | 126      | 146 | 47                  | 0.36                                 | 1.57          | 10.64               | 2.68      | 3.12  |  |
| -10 (+14)                  | 621                        | 156      | 182 | 51                  | 0.39                                 | 1.96          | 12.15               | 3.06      | 3.56  |  |

| 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)                  | 163                        | 41       | 48  | 29                  | 0.23                                  | 0.51          | 5.71                | 1.44      | 1.67  |  |
| -30 (-22)                  | 220                        | 56       | 65  | 34                  | 0.27                                  | 0.69          | 6.47                | 1.63      | 1.89  |  |
| -25 (-13)                  | 291                        | 73       | 85  | 40                  | 0.32                                  | 0.91          | 7.26                | 1.83      | 2.13  |  |
| -20 (- 4)                  | 377                        | 95       | 110 | 46                  | 0.36                                  | 1.18          | 8.14                | 2.05      | 2.38  |  |
| -15 (+ 5)                  | 479                        | 121      | 140 | 52                  | 0.40                                  | 1.51          | 9.13                | 2.30      | 2.68  |  |
| -10 (+14)                  | 600                        | 151      | 176 | 58                  | 0.44                                  | 1.89          | 10.30               | 2.60      | 3.02  |  |

| 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)                  | 145                        | 36       | 42  | 29                  | 0.23                                  | 0.45          | 4.89                | 1.23      | 1.43  |  |
| -30 (-22)                  | 199                        | 50       | 58  | 36                  | 0.27                                  | 0.62          | 5.60                | 1.41      | 1.64  |  |
| -25 (-13)                  | 266                        | 67       | 78  | 43                  | 0.32                                  | 0.84          | 6.29                | 1.58      | 1.84  |  |
| -20 (- 4)                  | 349                        | 88       | 102 | 50                  | 0.37                                  | 1.10          | 7.00                | 1.76      | 2.05  |  |
| -15 (+ 5)                  | 449                        | 113      | 131 | 58                  | 0.43                                  | 1.41          | 7.78                | 1.96      | 2.28  |  |
| -10 (+14)                  | 567                        | 143      | 166 | 65                  | 0.48                                  | 1.79          | 8.68                | 2.19      | 2.54  |  |

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 35°C (+95°F)) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|--------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V1600RPM               |                            | 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)                  | 215                        | 54       | 63  | 34                  | 0.27                                 | 0.67          | 6.39                | 1.61      | 1.87  |  |
| -30 (-22)                  | 289                        | 73       | 85  | 40                  | 0.31                                 | 0.91          | 7.25                | 1.83      | 2.13  |  |
| -25 (-13)                  | 381                        | 96       | 112 | 46                  | 0.36                                 | 1.20          | 8.23                | 2.07      | 2.41  |  |
| -20 (- 4)                  | 491                        | 124      | 144 | 53                  | 0.40                                 | 1.54          | 9.34                | 2.35      | 2.74  |  |
| -15 (+ 5)                  | 622                        | 157      | 182 | 59                  | 0.44                                 | 1.96          | 10.63               | 2.68      | 3.12  |  |
| -10 (+14)                  | 776                        | 196      | 227 | 64                  | 0.48                                 | 2.45          | 12.14               | 3.06      | 3.56  |  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (Temp. de condensación 45°C (+113°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V1600RPM               |       | 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) | 204                        | 51       | 60  | 35                                    | 0.29                 | 0.64          | 5.76                | 1.45      | 1.69  |
| -30                        | (-22) | 273                        | 69       | 80  | 42                                    | 0.33                 | 0.86          | 6.47                | 1.63      | 1.90  |
| -25                        | (-13) | 359                        | 91       | 105 | 49                                    | 0.38                 | 1.13          | 7.25                | 1.83      | 2.12  |
| -20                        | (- 4) | 465                        | 117      | 136 | 57                                    | 0.43                 | 1.46          | 8.12                | 2.05      | 2.38  |
| -15                        | (+ 5) | 593                        | 149      | 174 | 65                                    | 0.48                 | 1.87          | 9.12                | 2.30      | 2.67  |
| -10                        | (+14) | 743                        | 187      | 218 | 72                                    | 0.53                 | 2.34          | 10.29               | 2.59      | 3.01  |

| CONDICIONES DE PRUEBA:     |       | ASHRAE32                   |          |     | (Temp. de condensación 55°C (+131°F)) |                      |               |                     |           |       |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V1600RPM               |       | 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) | 185                        | 47       | 54  | 36                                    | 0.29                 | 0.58          | 5.06                | 1.28      | 1.48  |
| -30                        | (-22) | 249                        | 63       | 73  | 44                                    | 0.34                 | 0.78          | 5.73                | 1.44      | 1.68  |
| -25                        | (-13) | 332                        | 84       | 97  | 52                                    | 0.39                 | 1.04          | 6.40                | 1.61      | 1.88  |
| -20                        | (- 4) | 435                        | 110      | 127 | 61                                    | 0.46                 | 1.37          | 7.13                | 1.80      | 2.09  |
| -15                        | (+ 5) | 560                        | 141      | 164 | 71                                    | 0.52                 | 1.76          | 7.93                | 2.00      | 2.32  |
| -10                        | (+14) | 710                        | 179      | 208 | 80                                    | 0.59                 | 2.24          | 8.86                | 2.23      | 2.60  |

| 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) | 272                        | 69       | 80  | 43                                   | 0.33                 | 0.85          | 6.26                | 1.58      | 1.83  |
| -30                        | (-22) | 363                        | 91       | 106 | 51                                   | 0.38                 | 1.14          | 7.13                | 1.80      | 2.09  |
| -25                        | (-13) | 476                        | 120      | 140 | 59                                   | 0.44                 | 1.49          | 8.08                | 2.04      | 2.37  |
| -20                        | (- 4) | 614                        | 155      | 180 | 67                                   | 0.50                 | 1.93          | 9.14                | 2.30      | 2.68  |
| -15                        | (+ 5) | 778                        | 196      | 228 | 75                                   | 0.55                 | 2.45          | 10.34               | 2.61      | 3.03  |
| -10                        | (+14) | 968                        | 244      | 284 | 83                                   | 0.60                 | 3.05          | 11.73               | 2.95      | 3.44  |

| 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) | 254                        | 64       | 74  | 45                                    | 0.34                 | 0.80          | 5.68                | 1.43      | 1.66  |
| -30                        | (-22) | 341                        | 86       | 100 | 53                                    | 0.40                 | 1.07          | 6.43                | 1.62      | 1.89  |
| -25                        | (-13) | 452                        | 114      | 132 | 63                                    | 0.47                 | 1.42          | 7.22                | 1.82      | 2.12  |
| -20                        | (- 4) | 587                        | 148      | 172 | 72                                    | 0.54                 | 1.84          | 8.08                | 2.04      | 2.37  |
| -15                        | (+ 5) | 747                        | 188      | 219 | 83                                    | 0.61                 | 2.35          | 9.04                | 2.28      | 2.65  |
| -10                        | (+14) | 935                        | 236      | 274 | 92                                    | 0.67                 | 2.95          | 10.14               | 2.55      | 2.97  |

### E - PERFORMANCE - CURVAS

| 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)                  | 229                        | 58       | 67  | 45                  | 0.35                                  | 0.72          | 5.03                | 1.27      | 1.47  |  |
| -30 (-22)                  | 314                        | 79       | 92  | 55                  | 0.41                                  | 0.99          | 5.74                | 1.45      | 1.68  |  |
| -25 (-13)                  | 423                        | 107      | 124 | 66                  | 0.49                                  | 1.33          | 6.45                | 1.63      | 1.89  |  |
| -20 (- 4)                  | 557                        | 140      | 163 | 77                  | 0.57                                  | 1.75          | 7.19                | 1.81      | 2.11  |  |
| -15 (+ 5)                  | 716                        | 180      | 210 | 89                  | 0.65                                  | 2.25          | 7.99                | 2.01      | 2.34  |  |
| -10 (+14)                  | 903                        | 227      | 265 | 101                 | 0.73                                  | 2.85          | 8.88                | 2.24      | 2.60  |  |

| 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)                  | 414                        | 104      | 121 | 69                  | 0.52                                 | 1.30          | 6.01                | 1.52      | 1.76  |  |
| -30 (-22)                  | 551                        | 139      | 161 | 80                  | 0.59                                 | 1.73          | 6.85                | 1.73      | 2.01  |  |
| -25 (-13)                  | 720                        | 181      | 211 | 93                  | 0.68                                 | 2.26          | 7.71                | 1.94      | 2.26  |  |
| -20 (- 4)                  | 925                        | 233      | 271 | 107                 | 0.78                                 | 2.91          | 8.62                | 2.17      | 2.53  |  |
| -15 (+ 5)                  | 1168                       | 294      | 342 | 122                 | 0.87                                 | 3.67          | 9.58                | 2.41      | 2.81  |  |
| -10 (+14)                  | 1451                       | 366      | 425 | 137                 | 0.97                                 | 4.58          | 10.60               | 2.67      | 3.11  |  |

| 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)                  | 379                        | 96       | 111 | 70                  | 0.52                                  | 1.19          | 5.40                | 1.36      | 1.58  |  |
| -30 (-22)                  | 515                        | 130      | 151 | 84                  | 0.61                                  | 1.61          | 6.15                | 1.55      | 1.80  |  |
| -25 (-13)                  | 682                        | 172      | 200 | 99                  | 0.71                                  | 2.14          | 6.91                | 1.74      | 2.03  |  |
| -20 (- 4)                  | 883                        | 223      | 259 | 115                 | 0.82                                  | 2.78          | 7.71                | 1.94      | 2.26  |  |
| -15 (+ 5)                  | 1121                       | 282      | 328 | 131                 | 0.94                                  | 3.53          | 8.55                | 2.16      | 2.51  |  |
| -10 (+14)                  | 1397                       | 352      | 409 | 148                 | 1.05                                  | 4.41          | 9.45                | 2.38      | 2.77  |  |

| 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)                  | 340                        | 86       | 100 | 69                  | 0.52                                  | 1.06          | 4.89                | 1.23      | 1.43  |  |
| -30 (-22)                  | 475                        | 120      | 139 | 85                  | 0.62                                  | 1.49          | 5.57                | 1.40      | 1.63  |  |
| -25 (-13)                  | 641                        | 161      | 188 | 102                 | 0.74                                  | 2.01          | 6.26                | 1.58      | 1.83  |  |
| -20 (- 4)                  | 838                        | 211      | 246 | 120                 | 0.86                                  | 2.63          | 6.97                | 1.76      | 2.04  |  |
| -15 (+ 5)                  | 1071                       | 270      | 314 | 139                 | 0.99                                  | 3.37          | 7.71                | 1.94      | 2.26  |  |
| -10 (+14)                  | 1340                       | 338      | 393 | 158                 | 1.12                                  | 4.23          | 8.49                | 2.14      | 2.49  |  |

### E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 35°C (+95°F)) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|--------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V4500RPM               |                            | 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)                  | 567                        | 143      | 166 | 104                 | 0.74                                 | 1.78          | 5.45                | 1.37      | 1.60  |  |
| -30 (-22)                  | 743                        | 187      | 218 | 120                 | 0.81                                 | 2.33          | 6.15                | 1.55      | 1.80  |  |
| -25 (-13)                  | 938                        | 236      | 275 | 136                 | 0.91                                 | 2.94          | 6.90                | 1.74      | 2.02  |  |
| -20 (- 4)                  | 1182                       | 298      | 346 | 153                 | 1.02                                 | 3.71          | 7.73                | 1.95      | 2.27  |  |
| -15 (+ 5)                  | 1507                       | 380      | 442 | 173                 | 1.11                                 | 4.74          | 8.70                | 2.19      | 2.55  |  |
| -10 (+14)                  | 1945                       | 490      | 570 | 197                 | 1.18                                 | 6.13          | 9.84                | 2.48      | 2.88  |  |

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 45°C (+113°F)) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V4500RPM               |                            | 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)                  | 537                        | 135      | 157 | 107                 | 0.77                                  | 1.68          | 5.03                | 1.27      | 1.47  |  |
| -30 (-22)                  | 707                        | 178      | 207 | 124                 | 0.85                                  | 2.22          | 5.67                | 1.43      | 1.66  |  |
| -25 (-13)                  | 899                        | 227      | 263 | 142                 | 0.96                                  | 2.82          | 6.33                | 1.60      | 1.86  |  |
| -20 (- 4)                  | 1144                       | 288      | 335 | 162                 | 1.07                                  | 3.59          | 7.07                | 1.78      | 2.07  |  |
| -15 (+ 5)                  | 1473                       | 371      | 432 | 185                 | 1.17                                  | 4.64          | 7.93                | 2.00      | 2.32  |  |
| -10 (+14)                  | 1917                       | 483      | 562 | 213                 | 1.23                                  | 6.05          | 8.96                | 2.26      | 2.63  |  |

| CONDICIONES DE PRUEBA:     |                            | ASHRAE32 |     |                     | (Temp. de condensación 55°C (+131°F)) |               |                     |           |       |  |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V4500RPM               |                            | 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)                  | 514                        | 130      | 151 | 110                 | 0.78                                  | 1.61          | 4.66                | 1.17      | 1.36  |  |
| -30 (-22)                  | 677                        | 171      | 199 | 129                 | 0.88                                  | 2.12          | 5.23                | 1.32      | 1.53  |  |
| -25 (-13)                  | 865                        | 218      | 254 | 149                 | 1.00                                  | 2.72          | 5.82                | 1.47      | 1.71  |  |
| -20 (- 4)                  | 1109                       | 280      | 325 | 172                 | 1.11                                  | 3.49          | 6.48                | 1.63      | 1.90  |  |
| -15 (+ 5)                  | 1440                       | 363      | 422 | 199                 | 1.21                                  | 4.53          | 7.24                | 1.82      | 2.12  |  |
| -10 (+14)                  | 1889                       | 476      | 554 | 231                 | 1.26                                  | 5.96          | 8.16                | 2.06      | 2.39  |  |

**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 |      |           |