

DEFINICIÓN DEL COMPRESOR

| | |
|------------------------------|------------------------|
| Denominación | FMS U9C |
| Voltage / Frecuencia nominal | 230 V 90-315 Hz |
| Código de Ingeniería | 518000036 |

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 ²] (98 psig) | / °C - °F |
| 9.2 Pico | 7.8 | [kgf/cm ²] (111 psig) | / °C - °F |
| 10 Máxima temperatura de las bobinas | 130 | [°C] | |

B - DATOS MECÁNICOS

| | | |
|--------------------------------|----------------|----------------------------------|
| 1 Referencia Comercial | 1/9 | [hp] |
| 2 Desplazamiento | 6.51 | [cm ³] (0.397 cu.in) |
| 2.1 Diametro [mm] | 21.000 | |
| 2.2 Curso [mm] | 18.800 | |
| 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 ²] |

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 | CF01F01 N | |
| 3 Capacitor de Arranque | - | [µF(VAC minimo)] |
| 4 Capacitor de marcha | - | [µF(VAC minimo)] |
| 5 Protección del motor | CF01F01 N 00 XX | |
| 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) | - | [A] - Medido según UL 984 |
| 9 FLA - Corriente a plena carga L/MBP (90/315 Hz) | - | [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 - TUV - UKCA | |

D - PERFORMANCE - DATOS CHECK POINT

| | | | | | | | | | |
|---|----------|-----|---------------------------------------|--------------------------------|--|--|-----------|-------|--|
| CONDICIONES DE PRUEBA: @115V1800RPM | | | ASHRAELBP32 Estática | | Temperatura de evaporación (Temp. de condensación | -23.3°C (-9.94°F) 54.4°C (129.92°F) | | | |
| Capacidad de refrigeración +/- 5% | | | Consumo de potencia +/- 5% | Consumo de corriente +/- 5% | Flujo de masa +/- 5% | RANGO DE EFICIENCIA +/- 7% | | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| 232 | 58 | 68 | 43 | 0.86 | 0.73 | 5.37 | 1.35 | 1.57 | |

| | | | | | | | | | |
|---|----------|-----|---------------------------------------|--------------------------------|--|--|-----------|-------|--|
| CONDICIONES DE PRUEBA: @115V2800RPM | | | ASHRAELBP32 Estática | | Temperatura de evaporación (Temp. de condensación | -23.3°C (-9.94°F) 54.4°C (129.92°F) | | | |
| Capacidad de refrigeración +/- 5% | | | Consumo de potencia +/- 5% | Consumo de corriente +/- 5% | Flujo de masa +/- 5% | RANGO DE EFICIENCIA +/- 7% | | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| 362 | 91 | 106 | 65 | 1.24 | 1.14 | 5.55 | 1.40 | 1.63 | |

| | | | | | | | | | |
|---|----------|-----|---------------------------------------|--------------------------------|--|--|-----------|-------|--|
| CONDICIONES DE PRUEBA: @115V6300RPM | | | ASHRAELBP32 Estática | | Temperatura de evaporación (Temp. de condensación | -23.3°C (-9.94°F) 54.4°C (129.92°F) | | | |
| Capacidad de refrigeración +/- 5% | | | Consumo de potencia +/- 5% | Consumo de corriente +/- 5% | Flujo de masa +/- 5% | RANGO DE EFICIENCIA +/- 7% | | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| 734 | 185 | 215 | 147 | 2.59 | 2.30 | 4.99 | 1.26 | 1.46 | |

E - PERFORMANCE - CURVAS

| | | | | | | | | | | |
|---|-------|--------------------------------------|------------------------------------|-----|--|--------------------------------|-------------------------|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @115V1800RPM | | | ASHRAE32 Estática | | (Temp. de condensación 35°C (+95°F)) | | | | | |
| Temperatura de evaporación | | Capacidad de refrigeración +/- 5% | | | Consumo de potencia +/- 5% | Consumo de corriente +/- 5% | Flujo de masa +/- 5% | RANGO DE EFICIENCIA +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 132 | 33 | 39 | 27 | 0.55 | 0.41 | 4.91 | 1.24 | 1.44 |
| -30 | (-22) | 181 | 46 | 53 | 31 | 0.64 | 0.57 | 5.75 | 1.45 | 1.69 |
| -25 | (-13) | 238 | 60 | 70 | 36 | 0.72 | 0.75 | 6.65 | 1.68 | 1.95 |
| -20 | (- 4) | 305 | 77 | 89 | 40 | 0.78 | 0.96 | 7.64 | 1.92 | 2.24 |
| -15 | (+ 5) | 386 | 97 | 113 | 44 | 0.85 | 1.22 | 8.74 | 2.20 | 2.56 |
| -10 | (+14) | 484 | 122 | 142 | 48 | 0.91 | 1.53 | 10.00 | 2.52 | 2.93 |
| -5 | (+23) | 601 | 152 | 176 | 53 | 0.99 | 1.90 | 11.44 | 2.88 | 3.35 |
| 0 | (+32) | 741 | 187 | 217 | 57 | 1.07 | 2.35 | 13.10 | 3.30 | 3.84 |

E - PERFORMANCE - CURVAS

| 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) | 121 | 30 | 35 | 28 | 0.55 | 0.38 | 4.40 | 1.11 | 1.29 |
| -30 | (-22) | 170 | 43 | 50 | 33 | 0.67 | 0.53 | 5.09 | 1.28 | 1.49 |
| -25 | (-13) | 226 | 57 | 66 | 39 | 0.78 | 0.71 | 5.82 | 1.47 | 1.70 |
| -20 | (- 4) | 294 | 74 | 86 | 45 | 0.87 | 0.92 | 6.59 | 1.66 | 1.93 |
| -15 | (+ 5) | 375 | 95 | 110 | 50 | 0.95 | 1.18 | 7.46 | 1.88 | 2.19 |
| -10 | (+14) | 473 | 119 | 139 | 56 | 1.04 | 1.49 | 8.45 | 2.13 | 2.47 |
| -5 | (+23) | 590 | 149 | 173 | 62 | 1.12 | 1.86 | 9.59 | 2.42 | 2.81 |
| 0 | (+32) | 728 | 184 | 213 | 67 | 1.22 | 2.31 | 10.92 | 2.75 | 3.20 |

| 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) | 109 | 27 | 32 | 28 | 0.56 | 0.34 | 3.89 | 0.98 | 1.14 |
| -30 | (-22) | 157 | 40 | 46 | 35 | 0.71 | 0.49 | 4.51 | 1.14 | 1.32 |
| -25 | (-13) | 213 | 54 | 63 | 42 | 0.84 | 0.67 | 5.12 | 1.29 | 1.50 |
| -20 | (- 4) | 280 | 71 | 82 | 49 | 0.95 | 0.88 | 5.76 | 1.45 | 1.69 |
| -15 | (+ 5) | 360 | 91 | 106 | 56 | 1.06 | 1.13 | 6.46 | 1.63 | 1.89 |
| -10 | (+14) | 457 | 115 | 134 | 63 | 1.16 | 1.44 | 7.25 | 1.83 | 2.12 |
| -5 | (+23) | 572 | 144 | 168 | 70 | 1.26 | 1.81 | 8.16 | 2.06 | 2.39 |
| 0 | (+32) | 709 | 179 | 208 | 77 | 1.37 | 2.25 | 9.23 | 2.33 | 2.71 |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 35°C (+95°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|--------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V2200RPM | | 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) | 161 | 40 | 47 | 33 | 0.65 | 0.50 | 4.94 | 1.24 | 1.45 |
| -30 | (-22) | 220 | 56 | 65 | 38 | 0.76 | 0.69 | 5.77 | 1.46 | 1.69 |
| -25 | (-13) | 290 | 73 | 85 | 44 | 0.85 | 0.91 | 6.67 | 1.68 | 1.95 |
| -20 | (- 4) | 373 | 94 | 109 | 49 | 0.93 | 1.17 | 7.65 | 1.93 | 2.24 |
| -15 | (+ 5) | 473 | 119 | 139 | 54 | 1.01 | 1.49 | 8.75 | 2.21 | 2.56 |
| -10 | (+14) | 591 | 149 | 173 | 59 | 1.08 | 1.87 | 10.00 | 2.52 | 2.93 |
| -5 | (+23) | 732 | 185 | 215 | 64 | 1.17 | 2.32 | 11.44 | 2.88 | 3.35 |
| 0 | (+32) | 899 | 226 | 263 | 69 | 1.26 | 2.85 | 13.10 | 3.30 | 3.84 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V2200RPM | | 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) | 147 | 37 | 43 | 33 | 0.66 | 0.46 | 4.46 | 1.12 | 1.31 |
| -30 | (-22) | 207 | 52 | 61 | 40 | 0.79 | 0.65 | 5.18 | 1.30 | 1.52 |
| -25 | (-13) | 277 | 70 | 81 | 47 | 0.92 | 0.87 | 5.91 | 1.49 | 1.73 |
| -20 | (- 4) | 360 | 91 | 105 | 54 | 1.02 | 1.13 | 6.70 | 1.69 | 1.96 |
| -15 | (+ 5) | 458 | 115 | 134 | 60 | 1.12 | 1.44 | 7.57 | 1.91 | 2.22 |
| -10 | (+14) | 575 | 145 | 169 | 67 | 1.22 | 1.81 | 8.55 | 2.16 | 2.51 |
| -5 | (+23) | 714 | 180 | 209 | 74 | 1.32 | 2.26 | 9.69 | 2.44 | 2.84 |
| 0 | (+32) | 878 | 221 | 257 | 81 | 1.42 | 2.78 | 11.01 | 2.78 | 3.23 |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V2200RPM | | 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) | 130 | 33 | 38 | 33 | 0.66 | 0.41 | 3.91 | 0.99 | 1.15 |
| -30 | (-22) | 189 | 48 | 56 | 41 | 0.83 | 0.59 | 4.57 | 1.15 | 1.34 |
| -25 | (-13) | 258 | 65 | 76 | 50 | 0.98 | 0.81 | 5.22 | 1.31 | 1.53 |
| -20 | (- 4) | 338 | 85 | 99 | 58 | 1.11 | 1.06 | 5.88 | 1.48 | 1.72 |
| -15 | (+ 5) | 434 | 109 | 127 | 66 | 1.23 | 1.37 | 6.59 | 1.66 | 1.93 |
| -10 | (+14) | 549 | 138 | 161 | 74 | 1.34 | 1.73 | 7.38 | 1.86 | 2.16 |
| -5 | (+23) | 685 | 173 | 201 | 83 | 1.46 | 2.17 | 8.28 | 2.09 | 2.43 |
| 0 | (+32) | 845 | 213 | 248 | 91 | 1.57 | 2.68 | 9.33 | 2.35 | 2.73 |

| 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) | 201 | 51 | 59 | 41 | 0.80 | 0.63 | 4.88 | 1.23 | 1.43 |
| -30 | (-22) | 277 | 70 | 81 | 48 | 0.93 | 0.87 | 5.72 | 1.44 | 1.68 |
| -25 | (-13) | 366 | 92 | 107 | 55 | 1.04 | 1.15 | 6.61 | 1.66 | 1.94 |
| -20 | (- 4) | 472 | 119 | 138 | 62 | 1.15 | 1.48 | 7.57 | 1.91 | 2.22 |
| -15 | (+ 5) | 599 | 151 | 175 | 69 | 1.25 | 1.88 | 8.64 | 2.18 | 2.53 |
| -10 | (+14) | 750 | 189 | 220 | 76 | 1.35 | 2.37 | 9.86 | 2.49 | 2.89 |
| -5 | (+23) | 931 | 234 | 273 | 83 | 1.46 | 2.94 | 11.27 | 2.84 | 3.30 |
| 0 | (+32) | 1143 | 288 | 335 | 89 | 1.56 | 3.62 | 12.90 | 3.25 | 3.78 |

E - PERFORMANCE - CURVAS

| 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) | 185 | 47 | 54 | 41 | 0.80 | 0.58 | 4.48 | 1.13 | 1.31 |
| -30 | (-22) | 261 | 66 | 77 | 50 | 0.96 | 0.82 | 5.22 | 1.31 | 1.53 |
| -25 | (-13) | 350 | 88 | 103 | 59 | 1.11 | 1.10 | 5.96 | 1.50 | 1.75 |
| -20 | (- 4) | 456 | 115 | 134 | 68 | 1.25 | 1.43 | 6.74 | 1.70 | 1.97 |
| -15 | (+ 5) | 582 | 147 | 171 | 76 | 1.38 | 1.83 | 7.59 | 1.91 | 2.23 |
| -10 | (+14) | 732 | 185 | 215 | 85 | 1.51 | 2.31 | 8.57 | 2.16 | 2.51 |
| -5 | (+23) | 911 | 229 | 267 | 94 | 1.63 | 2.88 | 9.69 | 2.44 | 2.84 |
| 0 | (+32) | 1121 | 282 | 328 | 103 | 1.75 | 3.55 | 10.99 | 2.77 | 3.22 |

| 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) | 163 | 41 | 48 | 41 | 0.79 | 0.51 | 3.91 | 0.99 | 1.15 |
| -30 | (-22) | 238 | 60 | 70 | 51 | 0.99 | 0.74 | 4.61 | 1.16 | 1.35 |
| -25 | (-13) | 325 | 82 | 95 | 62 | 1.17 | 1.02 | 5.28 | 1.33 | 1.55 |
| -20 | (- 4) | 428 | 108 | 125 | 72 | 1.34 | 1.34 | 5.96 | 1.50 | 1.75 |
| -15 | (+ 5) | 551 | 139 | 161 | 83 | 1.49 | 1.73 | 6.67 | 1.68 | 1.96 |
| -10 | (+14) | 698 | 176 | 204 | 93 | 1.64 | 2.20 | 7.47 | 1.88 | 2.19 |
| -5 | (+23) | 872 | 220 | 255 | 104 | 1.78 | 2.76 | 8.38 | 2.11 | 2.46 |
| 0 | (+32) | 1077 | 271 | 316 | 115 | 1.91 | 3.42 | 9.44 | 2.38 | 2.77 |

| 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) | 275 | 69 | 81 | 59 | 1.09 | 0.86 | 4.69 | 1.18 | 1.38 |
| -30 | (-22) | 383 | 96 | 112 | 69 | 1.27 | 1.20 | 5.51 | 1.39 | 1.62 |
| -25 | (-13) | 508 | 128 | 149 | 80 | 1.44 | 1.59 | 6.35 | 1.60 | 1.86 |
| -20 | (- 4) | 659 | 166 | 193 | 91 | 1.60 | 2.07 | 7.25 | 1.83 | 2.12 |
| -15 | (+ 5) | 838 | 211 | 246 | 102 | 1.75 | 2.64 | 8.24 | 2.08 | 2.42 |
| -10 | (+14) | 1053 | 265 | 309 | 112 | 1.91 | 3.32 | 9.37 | 2.36 | 2.75 |
| -5 | (+23) | 1309 | 330 | 383 | 123 | 2.06 | 4.14 | 10.68 | 2.69 | 3.13 |
| 0 | (+32) | 1609 | 406 | 472 | 132 | 2.21 | 5.10 | 12.20 | 3.08 | 3.58 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V4000RPM | | Estática | | | | | | | | |
| Temperatura de evaporación | | Capacidad de refrigeración | | | Consumo de potencia | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA | | |
| | | +/- 5% | | | +/- 5% | +/- 5% | +/- 5% | +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 251 | 63 | 74 | 58 | 1.08 | 0.79 | 4.32 | 1.09 | 1.27 |
| -30 | (-22) | 357 | 90 | 105 | 70 | 1.30 | 1.12 | 5.06 | 1.28 | 1.48 |
| -25 | (-13) | 481 | 121 | 141 | 83 | 1.51 | 1.51 | 5.78 | 1.46 | 1.70 |
| -20 | (- 4) | 630 | 159 | 185 | 96 | 1.70 | 1.98 | 6.53 | 1.65 | 1.91 |
| -15 | (+ 5) | 808 | 204 | 237 | 110 | 1.89 | 2.54 | 7.34 | 1.85 | 2.15 |
| -10 | (+14) | 1020 | 257 | 299 | 123 | 2.07 | 3.22 | 8.26 | 2.08 | 2.42 |
| -5 | (+23) | 1273 | 321 | 373 | 137 | 2.26 | 4.03 | 9.31 | 2.35 | 2.73 |
| 0 | (+32) | 1571 | 396 | 460 | 150 | 2.44 | 4.98 | 10.55 | 2.66 | 3.09 |

| 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) | 227 | 57 | 66 | 59 | 1.09 | 0.71 | 3.85 | 0.97 | 1.13 |
| -30 | (-22) | 330 | 83 | 97 | 72 | 1.34 | 1.04 | 4.58 | 1.16 | 1.34 |
| -25 | (-13) | 452 | 114 | 133 | 86 | 1.57 | 1.42 | 5.27 | 1.33 | 1.54 |
| -20 | (- 4) | 598 | 151 | 175 | 101 | 1.79 | 1.88 | 5.94 | 1.50 | 1.74 |
| -15 | (+ 5) | 773 | 195 | 226 | 116 | 2.00 | 2.43 | 6.64 | 1.67 | 1.95 |
| -10 | (+14) | 982 | 248 | 288 | 132 | 2.21 | 3.10 | 7.41 | 1.87 | 2.17 |
| -5 | (+23) | 1231 | 310 | 361 | 149 | 2.42 | 3.90 | 8.29 | 2.09 | 2.43 |
| 0 | (+32) | 1526 | 385 | 447 | 165 | 2.62 | 4.84 | 9.31 | 2.35 | 2.73 |

| 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) | 400 | 101 | 117 | 98 | 1.72 | 1.25 | 4.08 | 1.03 | 1.19 |
| -30 | (-22) | 567 | 143 | 166 | 123 | 2.10 | 1.78 | 4.62 | 1.16 | 1.35 |
| -25 | (-13) | 740 | 186 | 217 | 138 | 2.33 | 2.32 | 5.35 | 1.35 | 1.57 |
| -20 | (- 4) | 920 | 232 | 270 | 147 | 2.43 | 2.89 | 6.28 | 1.58 | 1.84 |
| -15 | (+ 5) | 1113 | 280 | 326 | 150 | 2.45 | 3.50 | 7.41 | 1.87 | 2.17 |
| -10 | (+14) | 1321 | 333 | 387 | 150 | 2.44 | 4.17 | 8.75 | 2.21 | 2.56 |
| -5 | (+23) | 1546 | 390 | 453 | 150 | 2.44 | 4.89 | 10.32 | 2.60 | 3.02 |
| 0 | (+32) | 1794 | 452 | 526 | 151 | 2.49 | 5.68 | 12.11 | 3.05 | 3.55 |

E - PERFORMANCE - CURVAS

| 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) | 371 | 94 | 109 | 94 | 1.66 | 1.16 | 3.93 | 0.99 | 1.15 |
| -30 | (-22) | 542 | 137 | 159 | 120 | 2.07 | 1.70 | 4.50 | 1.13 | 1.32 |
| -25 | (-13) | 708 | 178 | 208 | 137 | 2.31 | 2.22 | 5.18 | 1.31 | 1.52 |
| -20 | (- 4) | 872 | 220 | 256 | 146 | 2.43 | 2.74 | 5.99 | 1.51 | 1.75 |
| -15 | (+ 5) | 1038 | 261 | 304 | 150 | 2.46 | 3.27 | 6.93 | 1.75 | 2.03 |
| -10 | (+14) | 1208 | 304 | 354 | 151 | 2.45 | 3.81 | 8.00 | 2.02 | 2.35 |
| -5 | (+23) | 1386 | 349 | 406 | 150 | 2.44 | 4.38 | 9.23 | 2.33 | 2.70 |
| 0 | (+32) | 1575 | 397 | 462 | 151 | 2.47 | 4.99 | 10.61 | 2.67 | 3.11 |

| 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) | 339 | 85 | 99 | 94 | 1.65 | 1.06 | 3.63 | 0.91 | 1.06 |
| -30 | (-22) | 514 | 130 | 151 | 120 | 2.08 | 1.61 | 4.25 | 1.07 | 1.25 |
| -25 | (-13) | 674 | 170 | 198 | 137 | 2.33 | 2.12 | 4.92 | 1.24 | 1.44 |
| -20 | (- 4) | 822 | 207 | 241 | 146 | 2.46 | 2.58 | 5.64 | 1.42 | 1.65 |
| -15 | (+ 5) | 961 | 242 | 282 | 150 | 2.49 | 3.03 | 6.41 | 1.62 | 1.88 |
| -10 | (+14) | 1095 | 276 | 321 | 151 | 2.47 | 3.45 | 7.25 | 1.83 | 2.13 |
| -5 | (+23) | 1226 | 309 | 359 | 150 | 2.45 | 3.88 | 8.17 | 2.06 | 2.39 |
| 0 | (+32) | 1358 | 342 | 398 | 150 | 2.46 | 4.31 | 9.17 | 2.31 | 2.69 |

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 | | |