

DEFINICIÓN DEL COMPRESOR

| | |
|------------------------------|-----------------|
| Denominación | VES F11C |
| Voltage / Frecuencia nominal | 230 V 32-150 Hz |
| Código de Ingeniería | 513907271 |

A - APLICACIÓN / CONDICIONES LÍMITES DE TRABAJO

| | | | |
|---|-------------------------------|-----------------------------------|----------------|
| 1 Tipo | Compresor recíproco | | |
| 2 Refrigerante | R-600a | | |
| 3 Voltaje y frecuencia nominal | 230 / 32-150 | [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) | Estática | 160 para 264 V | 160 para 264 V |
| 8.2 LBP (43°C Temperatura ambiente) | Estática | 160 para 264 V | 160 para 264 V |
| 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 | 1/5 | [hp] |
| 2 Desplazamiento | 11.14 | [cm ³] (0.680 cu.in) |
| 2.1 Diametro [mm] | 26.000 | |
| 2.2 Curso [mm] | 21.000 | |
| 3 Carga de aceite | 205 | [ml] (6.93 fl.oz.) |
| 3.1 Aceites aprobados | | |
| 3.2 Tipo/Viscosidad del aceite | ALQUILB / ISO5 | |
| 4 Peso (com carga de aceite) | 6.6 | [kg] (14.55 lb.) |
| 5 Carga de nitrógeno | - | [kgf/cm ²] |

C - DATOS ELÉCTRICOS

| | | |
|---|----------------------------------|---------------------------|
| 1 Voltaje nominal/Frecuencia/Numero de fases | 230 V 31.7-150 Hz 3~ (Trifásico) | |
| 2 Tipo de Dispositivo de Arranque | Inverter | |
| 2.1 Dispositivo de Arranque | VESF 2456 XXX 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 | 9.30 | [Ω en 25°C (77°F)] +/- 8% |
| 7 Resistencia del motor - bobina marcha | 9.30 | [Ω en 25°C (77°F)] +/- 8% |
| 8 LRA - Corriente com rotor trabado (32/150 Hz) | 2.10 | [A] - Medido según UL 984 |
| 9 FLA - Corriente a plena carga L/MBP (32/150 Hz) | - | [A] - Medido según UL 984 |
| 10 FLA - Corriente a plena carga HBP (32/150 Hz) | - | [A] - Medido según UL 984 |
| 11 Institutos de aprobación | CCC - VDE | |

D - PERFORMANCE - DATOS CHECK POINT

| | | | | | | | | | |
|--|----------|-----|--------------------------------------|--------------------------------|---|-------------------------------|-----------|-------|--|
| CONDICIONES DE PRUEBA: @220V950RPM | | | CECOMAFLBP Estática | | Temperatura de evaporación -25°C (-13°F) (Temp. de condensación 55°C (131°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] | |
| 160 | 40 | 47 | 31 | 0.27 | 0.61 | 5.11 | 1.29 | 1.50 | |

| | | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|-------------------------------|-----------|-------|--|
| CONDICIONES DE PRUEBA: @220V1300RPM | | | CECOMAFLBP Estática | | Temperatura de evaporación -25°C (-13°F) (Temp. de condensación 55°C (131°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] | |
| 222 | 56 | 65 | 42 | 0.35 | 0.85 | 5.32 | 1.34 | 1.56 | |

| | | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|-------------------------------|-----------|-------|--|
| CONDICIONES DE PRUEBA: @220V4000RPM | | | CECOMAFLBP Estática | | Temperatura de evaporación -25°C (-13°F) (Temp. de condensación 55°C (131°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] | |
| 624 | 157 | 183 | 127 | 0.96 | 2.38 | 4.91 | 1.24 | 1.44 | |

E - PERFORMANCE - CURVAS

| | | | | | | | | | | |
|--|-------|--------------------------------------|-----------------------------------|-----|--|--------------------------------|-------------------------|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @220V950RPM | | | CECOMAF 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) | 126 | 32 | 37 | 20 | 0.18 | 0.40 | 6.43 | 1.62 | 1.88 |
| -30 | (-22) | 166 | 42 | 49 | 23 | 0.19 | 0.53 | 7.12 | 1.79 | 2.09 |
| -25 | (-13) | 217 | 55 | 64 | 27 | 0.21 | 0.70 | 8.00 | 2.02 | 2.34 |
| -20 | (- 4) | 279 | 70 | 82 | 31 | 0.23 | 0.90 | 9.09 | 2.29 | 2.66 |
| -15 | (+ 5) | 355 | 89 | 104 | 34 | 0.25 | 1.14 | 10.41 | 2.62 | 3.05 |
| -10 | (+14) | 446 | 112 | 131 | 37 | 0.26 | 1.44 | 11.96 | 3.01 | 3.50 |
| -5 | (+23) | 553 | 139 | 162 | 40 | 0.27 | 1.79 | 13.76 | 3.47 | 4.03 |
| 0 | (+32) | 680 | 171 | 199 | 42 | 0.27 | 2.21 | 15.82 | 3.99 | 4.64 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V950RPM | | 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) | 106 | 27 | 31 | 20 | 0.18 | 0.37 | 5.25 | 1.32 | 1.54 |
| -30 | (-22) | 142 | 36 | 42 | 25 | 0.20 | 0.49 | 5.79 | 1.46 | 1.70 |
| -25 | (-13) | 188 | 47 | 55 | 29 | 0.22 | 0.65 | 6.45 | 1.63 | 1.89 |
| -20 | (- 4) | 245 | 62 | 72 | 34 | 0.25 | 0.85 | 7.23 | 1.82 | 2.12 |
| -15 | (+ 5) | 315 | 79 | 92 | 38 | 0.27 | 1.10 | 8.16 | 2.06 | 2.39 |
| -10 | (+14) | 400 | 101 | 117 | 43 | 0.30 | 1.40 | 9.25 | 2.33 | 2.71 |
| -5 | (+23) | 501 | 126 | 147 | 48 | 0.32 | 1.76 | 10.50 | 2.65 | 3.08 |
| 0 | (+32) | 621 | 156 | 182 | 52 | 0.33 | 2.19 | 11.93 | 3.01 | 3.50 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V950RPM | | 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) | 83 | 21 | 24 | 20 | 0.18 | 0.32 | 4.05 | 1.02 | 1.19 |
| -30 | (-22) | 115 | 29 | 34 | 25 | 0.20 | 0.44 | 4.57 | 1.15 | 1.34 |
| -25 | (-13) | 157 | 40 | 46 | 31 | 0.23 | 0.60 | 5.13 | 1.29 | 1.50 |
| -20 | (- 4) | 210 | 53 | 61 | 37 | 0.26 | 0.80 | 5.74 | 1.45 | 1.68 |
| -15 | (+ 5) | 275 | 69 | 80 | 43 | 0.30 | 1.05 | 6.41 | 1.61 | 1.88 |
| -10 | (+14) | 354 | 89 | 104 | 49 | 0.34 | 1.36 | 7.15 | 1.80 | 2.09 |
| -5 | (+23) | 449 | 113 | 132 | 56 | 0.37 | 1.73 | 7.98 | 2.01 | 2.34 |
| 0 | (+32) | 562 | 142 | 165 | 63 | 0.40 | 2.17 | 8.91 | 2.25 | 2.61 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (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) | 175 | 44 | 51 | 27 | 0.25 | 0.56 | 6.46 | 1.63 | 1.89 |
| -30 | (-22) | 232 | 58 | 68 | 32 | 0.28 | 0.74 | 7.20 | 1.82 | 2.11 |
| -25 | (-13) | 300 | 76 | 88 | 37 | 0.31 | 0.96 | 8.12 | 2.05 | 2.38 |
| -20 | (- 4) | 384 | 97 | 113 | 42 | 0.34 | 1.23 | 9.21 | 2.32 | 2.70 |
| -15 | (+ 5) | 485 | 122 | 142 | 46 | 0.37 | 1.56 | 10.50 | 2.64 | 3.08 |
| -10 | (+14) | 605 | 153 | 177 | 51 | 0.40 | 1.95 | 11.97 | 3.02 | 3.51 |
| -5 | (+23) | 748 | 188 | 219 | 55 | 0.43 | 2.42 | 13.64 | 3.44 | 4.00 |
| 0 | (+32) | 914 | 230 | 268 | 59 | 0.46 | 2.97 | 15.52 | 3.91 | 4.55 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (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) | 146 | 37 | 43 | 28 | 0.25 | 0.51 | 5.29 | 1.33 | 1.55 |
| -30 | (-22) | 198 | 50 | 58 | 34 | 0.29 | 0.69 | 5.88 | 1.48 | 1.72 |
| -25 | (-13) | 260 | 66 | 76 | 39 | 0.33 | 0.90 | 6.58 | 1.66 | 1.93 |
| -20 | (- 4) | 335 | 85 | 98 | 45 | 0.37 | 1.17 | 7.40 | 1.87 | 2.17 |
| -15 | (+ 5) | 427 | 108 | 125 | 51 | 0.41 | 1.49 | 8.36 | 2.11 | 2.45 |
| -10 | (+14) | 536 | 135 | 157 | 57 | 0.45 | 1.88 | 9.44 | 2.38 | 2.77 |
| -5 | (+23) | 666 | 168 | 195 | 63 | 0.49 | 2.34 | 10.67 | 2.69 | 3.13 |
| 0 | (+32) | 818 | 206 | 240 | 69 | 0.54 | 2.88 | 12.05 | 3.04 | 3.53 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (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) | 119 | 30 | 35 | 28 | 0.26 | 0.45 | 4.22 | 1.06 | 1.24 |
| -30 | (-22) | 164 | 41 | 48 | 35 | 0.30 | 0.63 | 4.71 | 1.19 | 1.38 |
| -25 | (-13) | 219 | 55 | 64 | 42 | 0.35 | 0.83 | 5.26 | 1.32 | 1.54 |
| -20 | (- 4) | 285 | 72 | 84 | 49 | 0.39 | 1.09 | 5.87 | 1.48 | 1.72 |
| -15 | (+ 5) | 365 | 92 | 107 | 56 | 0.44 | 1.40 | 6.56 | 1.65 | 1.92 |
| -10 | (+14) | 462 | 117 | 136 | 63 | 0.50 | 1.78 | 7.33 | 1.85 | 2.15 |
| -5 | (+23) | 578 | 146 | 170 | 71 | 0.56 | 2.23 | 8.17 | 2.06 | 2.40 |
| 0 | (+32) | 716 | 180 | 210 | 79 | 0.62 | 2.76 | 9.11 | 2.30 | 2.67 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (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) | 213 | 54 | 62 | 34 | 0.29 | 0.68 | 6.34 | 1.60 | 1.86 |
| -30 | (-22) | 284 | 72 | 83 | 40 | 0.33 | 0.91 | 7.17 | 1.81 | 2.10 |
| -25 | (-13) | 369 | 93 | 108 | 45 | 0.38 | 1.19 | 8.12 | 2.05 | 2.38 |
| -20 | (- 4) | 472 | 119 | 138 | 51 | 0.42 | 1.52 | 9.21 | 2.32 | 2.70 |
| -15 | (+ 5) | 596 | 150 | 175 | 57 | 0.46 | 1.92 | 10.45 | 2.63 | 3.06 |
| -10 | (+14) | 745 | 188 | 218 | 63 | 0.50 | 2.40 | 11.87 | 2.99 | 3.48 |
| -5 | (+23) | 921 | 232 | 270 | 68 | 0.54 | 2.98 | 13.48 | 3.40 | 3.95 |
| 0 | (+32) | 1129 | 284 | 331 | 74 | 0.59 | 3.67 | 15.32 | 3.86 | 4.49 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (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) | 181 | 46 | 53 | 35 | 0.30 | 0.63 | 5.22 | 1.32 | 1.53 |
| -30 | (-22) | 245 | 62 | 72 | 42 | 0.35 | 0.85 | 5.87 | 1.48 | 1.72 |
| -25 | (-13) | 321 | 81 | 94 | 49 | 0.40 | 1.12 | 6.59 | 1.66 | 1.93 |
| -20 | (- 4) | 413 | 104 | 121 | 56 | 0.44 | 1.44 | 7.40 | 1.86 | 2.17 |
| -15 | (+ 5) | 525 | 132 | 154 | 63 | 0.49 | 1.83 | 8.31 | 2.10 | 2.44 |
| -10 | (+14) | 659 | 166 | 193 | 70 | 0.55 | 2.31 | 9.36 | 2.36 | 2.74 |
| -5 | (+23) | 819 | 206 | 240 | 78 | 0.61 | 2.88 | 10.56 | 2.66 | 3.10 |
| 0 | (+32) | 1009 | 254 | 296 | 85 | 0.68 | 3.55 | 11.93 | 3.01 | 3.50 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (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) | 151 | 38 | 44 | 35 | 0.30 | 0.58 | 4.30 | 1.08 | 1.26 |
| -30 | (-22) | 206 | 52 | 60 | 43 | 0.35 | 0.78 | 4.82 | 1.22 | 1.41 |
| -25 | (-13) | 272 | 69 | 80 | 51 | 0.41 | 1.04 | 5.37 | 1.35 | 1.57 |
| -20 | (- 4) | 353 | 89 | 103 | 59 | 0.47 | 1.35 | 5.96 | 1.50 | 1.75 |
| -15 | (+ 5) | 451 | 114 | 132 | 68 | 0.53 | 1.73 | 6.61 | 1.67 | 1.94 |
| -10 | (+14) | 570 | 144 | 167 | 78 | 0.60 | 2.19 | 7.34 | 1.85 | 2.15 |
| -5 | (+23) | 714 | 180 | 209 | 87 | 0.68 | 2.75 | 8.18 | 2.06 | 2.40 |
| 0 | (+32) | 886 | 223 | 259 | 97 | 0.77 | 3.41 | 9.15 | 2.31 | 2.68 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (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) | 264 | 67 | 77 | 42 | 0.36 | 0.85 | 6.23 | 1.57 | 1.83 |
| -30 | (-22) | 348 | 88 | 102 | 50 | 0.41 | 1.12 | 7.00 | 1.76 | 2.05 |
| -25 | (-13) | 458 | 115 | 134 | 58 | 0.47 | 1.47 | 7.90 | 1.99 | 2.32 |
| -20 | (- 4) | 593 | 149 | 174 | 66 | 0.53 | 1.91 | 8.94 | 2.25 | 2.62 |
| -15 | (+ 5) | 753 | 190 | 221 | 75 | 0.59 | 2.42 | 10.10 | 2.55 | 2.96 |
| -10 | (+14) | 938 | 236 | 275 | 83 | 0.65 | 3.03 | 11.39 | 2.87 | 3.34 |
| -5 | (+23) | 1147 | 289 | 336 | 89 | 0.70 | 3.71 | 12.81 | 3.23 | 3.75 |
| 0 | (+32) | 1381 | 348 | 405 | 95 | 0.74 | 4.48 | 14.36 | 3.62 | 4.21 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (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) | 229 | 58 | 67 | 44 | 0.38 | 0.79 | 5.18 | 1.31 | 1.52 |
| -30 | (-22) | 301 | 76 | 88 | 52 | 0.43 | 1.05 | 5.80 | 1.46 | 1.70 |
| -25 | (-13) | 398 | 100 | 117 | 61 | 0.49 | 1.39 | 6.50 | 1.64 | 1.91 |
| -20 | (- 4) | 520 | 131 | 152 | 71 | 0.57 | 1.81 | 7.31 | 1.84 | 2.14 |
| -15 | (+ 5) | 665 | 168 | 195 | 81 | 0.64 | 2.32 | 8.20 | 2.07 | 2.40 |
| -10 | (+14) | 835 | 210 | 245 | 91 | 0.72 | 2.92 | 9.17 | 2.31 | 2.69 |
| -5 | (+23) | 1028 | 259 | 301 | 101 | 0.80 | 3.61 | 10.24 | 2.58 | 3.00 |
| 0 | (+32) | 1244 | 313 | 365 | 109 | 0.86 | 4.38 | 11.39 | 2.87 | 3.34 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (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) | 190 | 48 | 56 | 45 | 0.38 | 0.72 | 4.23 | 1.07 | 1.24 |
| -30 | (-22) | 252 | 63 | 74 | 53 | 0.44 | 0.96 | 4.74 | 1.19 | 1.39 |
| -25 | (-13) | 337 | 85 | 99 | 64 | 0.51 | 1.28 | 5.31 | 1.34 | 1.56 |
| -20 | (- 4) | 445 | 112 | 130 | 75 | 0.59 | 1.70 | 5.93 | 1.49 | 1.74 |
| -15 | (+ 5) | 576 | 145 | 169 | 87 | 0.69 | 2.20 | 6.60 | 1.66 | 1.93 |
| -10 | (+14) | 730 | 184 | 214 | 100 | 0.78 | 2.80 | 7.32 | 1.84 | 2.14 |
| -5 | (+23) | 906 | 228 | 266 | 112 | 0.87 | 3.49 | 8.08 | 2.04 | 2.37 |
| 0 | (+32) | 1105 | 278 | 324 | 124 | 0.96 | 4.27 | 8.89 | 2.24 | 2.60 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (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) | 377 | 95 | 110 | 65 | 0.51 | 1.21 | 5.81 | 1.47 | 1.70 |
| -30 | (-22) | 512 | 129 | 150 | 77 | 0.59 | 1.64 | 6.61 | 1.67 | 1.94 |
| -25 | (-13) | 677 | 171 | 199 | 91 | 0.69 | 2.17 | 7.46 | 1.88 | 2.18 |
| -20 | (- 4) | 875 | 220 | 256 | 105 | 0.80 | 2.81 | 8.36 | 2.11 | 2.45 |
| -15 | (+ 5) | 1107 | 279 | 324 | 119 | 0.91 | 3.56 | 9.31 | 2.35 | 2.73 |
| -10 | (+14) | 1378 | 347 | 404 | 134 | 1.03 | 4.44 | 10.32 | 2.60 | 3.02 |
| -5 | (+23) | 1688 | 425 | 495 | 148 | 1.13 | 5.46 | 11.38 | 2.87 | 3.33 |
| 0 | (+32) | 2042 | 515 | 598 | 163 | 1.21 | 6.63 | 12.50 | 3.15 | 3.66 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (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) | 328 | 83 | 96 | 67 | 0.52 | 1.14 | 4.91 | 1.24 | 1.44 |
| -30 | (-22) | 445 | 112 | 130 | 80 | 0.61 | 1.55 | 5.54 | 1.40 | 1.62 |
| -25 | (-13) | 590 | 149 | 173 | 95 | 0.73 | 2.05 | 6.21 | 1.56 | 1.82 |
| -20 | (- 4) | 764 | 193 | 224 | 110 | 0.85 | 2.66 | 6.92 | 1.74 | 2.03 |
| -15 | (+ 5) | 972 | 245 | 285 | 127 | 0.98 | 3.39 | 7.68 | 1.94 | 2.25 |
| -10 | (+14) | 1215 | 306 | 356 | 143 | 1.11 | 4.26 | 8.48 | 2.14 | 2.49 |
| -5 | (+23) | 1497 | 377 | 439 | 161 | 1.23 | 5.26 | 9.33 | 2.35 | 2.73 |
| 0 | (+32) | 1819 | 458 | 533 | 178 | 1.33 | 6.41 | 10.23 | 2.58 | 3.00 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (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) | 276 | 70 | 81 | 68 | 0.53 | 1.05 | 4.09 | 1.03 | 1.20 |
| -30 | (-22) | 377 | 95 | 110 | 82 | 0.64 | 1.43 | 4.59 | 1.16 | 1.35 |
| -25 | (-13) | 502 | 127 | 147 | 98 | 0.77 | 1.91 | 5.13 | 1.29 | 1.50 |
| -20 | (- 4) | 656 | 165 | 192 | 115 | 0.91 | 2.50 | 5.69 | 1.43 | 1.67 |
| -15 | (+ 5) | 840 | 212 | 246 | 133 | 1.05 | 3.22 | 6.29 | 1.59 | 1.84 |
| -10 | (+14) | 1057 | 266 | 310 | 153 | 1.20 | 4.06 | 6.93 | 1.75 | 2.03 |
| -5 | (+23) | 1311 | 330 | 384 | 172 | 1.33 | 5.04 | 7.60 | 1.91 | 2.23 |
| 0 | (+32) | 1603 | 404 | 470 | 193 | 1.45 | 6.18 | 8.31 | 2.09 | 2.43 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 35°C (+95°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|--------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V4000RPM | | Estática | | | | | | | | |
| Temperatura de evaporación | | Capacidad de refrigeración | | | Consumo de potencia | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA | | |
| | | +/- 5% | | | +/- 5% | +/- 5% | +/- 5% | +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 488 | 123 | 143 | 89 | 0.68 | 1.56 | 5.47 | 1.38 | 1.60 |
| -30 | (-22) | 643 | 162 | 188 | 105 | 0.80 | 2.08 | 6.13 | 1.54 | 1.80 |
| -25 | (-13) | 799 | 201 | 234 | 118 | 0.89 | 2.58 | 6.83 | 1.72 | 2.00 |
| -20 | (- 4) | 993 | 250 | 291 | 131 | 0.98 | 3.19 | 7.63 | 1.92 | 2.24 |
| -15 | (+ 5) | 1263 | 318 | 370 | 147 | 1.08 | 4.05 | 8.56 | 2.16 | 2.51 |
| -10 | (+14) | 1645 | 414 | 482 | 168 | 1.21 | 5.29 | 9.66 | 2.43 | 2.83 |
| -5 | (+23) | 2176 | 548 | 638 | 199 | 1.40 | 7.04 | 10.97 | 2.76 | 3.21 |
| 0 | (+32) | 2895 | 729 | 848 | 240 | 1.67 | 9.44 | 12.54 | 3.16 | 3.67 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V4000RPM | | Estática | | | | | | | | |
| Temperatura de evaporación | | Capacidad de refrigeración | | | Consumo de potencia | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA | | |
| | | +/- 5% | | | +/- 5% | +/- 5% | +/- 5% | +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 426 | 107 | 125 | 92 | 0.72 | 1.48 | 4.62 | 1.16 | 1.35 |
| -30 | (-22) | 575 | 145 | 168 | 109 | 0.85 | 2.00 | 5.20 | 1.31 | 1.52 |
| -25 | (-13) | 718 | 181 | 210 | 124 | 0.96 | 2.50 | 5.80 | 1.46 | 1.70 |
| -20 | (- 4) | 892 | 225 | 262 | 139 | 1.05 | 3.11 | 6.46 | 1.63 | 1.89 |
| -15 | (+ 5) | 1136 | 286 | 333 | 157 | 1.17 | 3.97 | 7.22 | 1.82 | 2.12 |
| -10 | (+14) | 1486 | 374 | 435 | 182 | 1.31 | 5.20 | 8.12 | 2.05 | 2.38 |
| -5 | (+23) | 1979 | 499 | 580 | 215 | 1.51 | 6.95 | 9.21 | 2.32 | 2.70 |
| 0 | (+32) | 2652 | 668 | 777 | 260 | 1.77 | 9.34 | 10.51 | 2.65 | 3.08 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V4000RPM | | Estática | | | | | | | | |
| Temperatura de evaporación | | Capacidad de refrigeración | | | Consumo de potencia | Consumo de corriente | Flujo de masa | RANGO DE EFICIENCIA | | |
| | | +/- 5% | | | +/- 5% | +/- 5% | +/- 5% | +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 363 | 91 | 106 | 93 | 0.72 | 1.38 | 3.92 | 0.99 | 1.15 |
| -30 | (-22) | 503 | 127 | 148 | 111 | 0.87 | 1.90 | 4.42 | 1.11 | 1.29 |
| -25 | (-13) | 632 | 159 | 185 | 128 | 1.00 | 2.40 | 4.91 | 1.24 | 1.44 |
| -20 | (- 4) | 787 | 198 | 230 | 146 | 1.11 | 3.00 | 5.43 | 1.37 | 1.59 |
| -15 | (+ 5) | 1003 | 253 | 294 | 168 | 1.23 | 3.85 | 6.02 | 1.52 | 1.76 |
| -10 | (+14) | 1320 | 333 | 387 | 196 | 1.38 | 5.08 | 6.72 | 1.69 | 1.97 |
| -5 | (+23) | 1773 | 447 | 519 | 234 | 1.58 | 6.82 | 7.57 | 1.91 | 2.22 |
| 0 | (+32) | 2400 | 605 | 703 | 284 | 1.85 | 9.20 | 8.61 | 2.17 | 2.52 |

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 | 4.9 | [mm] | (0.193") |
| 3.2.1 Material | | | |
| 3.2.2 Forma | | | |
| 3.3 PROCESO | 6.2 | [mm] | (0.244") |
| 3.3.1 Material | | | |
| 3.3.2 Forma | | | |
| 3.4 Tubo enfriador de aceite (Cobre) | No | [mm] | |
| 3.5 Sellado del tudo | Tampa de Gomma | | |