

DEFINICIÓN DEL COMPRESOR

| | |
|------------------------------|-----------------|
| Denominación | VES F7C |
| Voltage / Frecuencia nominal | 230 V 32-150 Hz |
| Código de Ingeniería | 513907202 |

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 | 7.23 | [cm ³] (0.441 cu.in) |
| 2.1 Diametro [mm] | 24.000 | |
| 2.2 Curso [mm] | 16.000 | |
| 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) | 6.57 | [kg] (14.48 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] | |
| 92 | 23 | 27 | 19 | 0.19 | 0.35 | 4.97 | 1.25 | 1.46 | |

| | | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|-------------------------------|-----------|-------|--|
| 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] | |
| 130 | 33 | 38 | 25 | 0.23 | 0.50 | 5.16 | 1.30 | 1.51 | |

| | | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|-------------------------------|-----------|-------|--|
| 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] | |
| 399 | 101 | 117 | 83 | 0.62 | 1.52 | 4.81 | 1.21 | 1.41 | |

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) | 66 | 17 | 19 | 12 | 0.16 | 0.21 | 5.44 | 1.37 | 1.59 |
| -30 | (-22) | 97 | 24 | 28 | 14 | 0.17 | 0.31 | 6.74 | 1.70 | 1.97 |
| -25 | (-13) | 133 | 33 | 39 | 17 | 0.18 | 0.43 | 8.03 | 2.02 | 2.35 |
| -20 | (- 4) | 174 | 44 | 51 | 19 | 0.19 | 0.56 | 9.37 | 2.36 | 2.74 |
| -15 | (+ 5) | 221 | 56 | 65 | 21 | 0.21 | 0.71 | 10.80 | 2.72 | 3.16 |
| -10 | (+14) | 276 | 70 | 81 | 22 | 0.22 | 0.89 | 12.38 | 3.12 | 3.63 |
| -5 | (+23) | 339 | 85 | 99 | 24 | 0.23 | 1.10 | 14.16 | 3.57 | 4.15 |
| 0 | (+32) | 411 | 104 | 120 | 25 | 0.24 | 1.33 | 16.18 | 4.08 | 4.74 |

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) | 53 | 13 | 16 | 12 | 0.15 | 0.19 | 4.47 | 1.13 | 1.31 |
| -30 | (-22) | 80 | 20 | 23 | 15 | 0.16 | 0.28 | 5.43 | 1.37 | 1.59 |
| -25 | (-13) | 111 | 28 | 32 | 17 | 0.18 | 0.38 | 6.36 | 1.60 | 1.86 |
| -20 | (- 4) | 147 | 37 | 43 | 20 | 0.20 | 0.51 | 7.31 | 1.84 | 2.14 |
| -15 | (+ 5) | 190 | 48 | 56 | 23 | 0.22 | 0.66 | 8.32 | 2.10 | 2.44 |
| -10 | (+14) | 241 | 61 | 70 | 25 | 0.24 | 0.84 | 9.45 | 2.38 | 2.77 |
| -5 | (+23) | 299 | 75 | 88 | 28 | 0.26 | 1.05 | 10.76 | 2.71 | 3.15 |
| 0 | (+32) | 366 | 92 | 107 | 30 | 0.27 | 1.29 | 12.28 | 3.09 | 3.60 |

| 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) | 41 | 10 | 12 | 11 | 0.15 | 0.16 | 3.64 | 0.92 | 1.07 |
| -30 | (-22) | 63 | 16 | 18 | 15 | 0.17 | 0.24 | 4.38 | 1.10 | 1.28 |
| -25 | (-13) | 90 | 23 | 26 | 18 | 0.19 | 0.34 | 5.06 | 1.28 | 1.48 |
| -20 | (- 4) | 122 | 31 | 36 | 21 | 0.21 | 0.47 | 5.73 | 1.44 | 1.68 |
| -15 | (+ 5) | 161 | 41 | 47 | 25 | 0.24 | 0.62 | 6.44 | 1.62 | 1.89 |
| -10 | (+14) | 207 | 52 | 61 | 28 | 0.27 | 0.80 | 7.24 | 1.82 | 2.12 |
| -5 | (+23) | 262 | 66 | 77 | 32 | 0.29 | 1.01 | 8.18 | 2.06 | 2.40 |
| 0 | (+32) | 325 | 82 | 95 | 35 | 0.31 | 1.25 | 9.31 | 2.35 | 2.73 |

| 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) | 100 | 25 | 29 | 16 | 0.18 | 0.32 | 6.08 | 1.53 | 1.78 |
| -30 | (-22) | 141 | 35 | 41 | 19 | 0.20 | 0.45 | 7.17 | 1.81 | 2.10 |
| -25 | (-13) | 187 | 47 | 55 | 23 | 0.22 | 0.60 | 8.28 | 2.09 | 2.43 |
| -20 | (- 4) | 241 | 61 | 71 | 25 | 0.24 | 0.77 | 9.50 | 2.39 | 2.78 |
| -15 | (+ 5) | 307 | 77 | 90 | 28 | 0.27 | 0.99 | 10.89 | 2.74 | 3.19 |
| -10 | (+14) | 386 | 97 | 113 | 31 | 0.29 | 1.24 | 12.54 | 3.16 | 3.67 |
| -5 | (+23) | 480 | 121 | 141 | 33 | 0.30 | 1.55 | 14.51 | 3.66 | 4.25 |
| 0 | (+32) | 594 | 150 | 174 | 35 | 0.31 | 1.93 | 16.90 | 4.26 | 4.95 |

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) | 75 | 19 | 22 | 17 | 0.18 | 0.26 | 4.58 | 1.15 | 1.34 |
| -30 | (-22) | 112 | 28 | 33 | 20 | 0.20 | 0.39 | 5.50 | 1.39 | 1.61 |
| -25 | (-13) | 153 | 39 | 45 | 24 | 0.22 | 0.53 | 6.39 | 1.61 | 1.87 |
| -20 | (- 4) | 203 | 51 | 59 | 28 | 0.25 | 0.71 | 7.33 | 1.85 | 2.15 |
| -15 | (+ 5) | 262 | 66 | 77 | 31 | 0.28 | 0.92 | 8.38 | 2.11 | 2.45 |
| -10 | (+14) | 335 | 84 | 98 | 35 | 0.31 | 1.17 | 9.63 | 2.43 | 2.82 |
| -5 | (+23) | 422 | 106 | 124 | 38 | 0.33 | 1.48 | 11.15 | 2.81 | 3.27 |
| 0 | (+32) | 527 | 133 | 155 | 41 | 0.34 | 1.86 | 13.03 | 3.28 | 3.82 |

| 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) | 55 | 14 | 16 | 15 | 0.17 | 0.21 | 3.56 | 0.90 | 1.04 |
| -30 | (-22) | 86 | 22 | 25 | 20 | 0.20 | 0.33 | 4.34 | 1.09 | 1.27 |
| -25 | (-13) | 121 | 31 | 35 | 24 | 0.23 | 0.46 | 5.03 | 1.27 | 1.47 |
| -20 | (- 4) | 163 | 41 | 48 | 29 | 0.26 | 0.62 | 5.71 | 1.44 | 1.67 |
| -15 | (+ 5) | 215 | 54 | 63 | 33 | 0.29 | 0.82 | 6.45 | 1.62 | 1.89 |
| -10 | (+14) | 279 | 70 | 82 | 38 | 0.32 | 1.07 | 7.33 | 1.85 | 2.15 |
| -5 | (+23) | 358 | 90 | 105 | 42 | 0.35 | 1.38 | 8.42 | 2.12 | 2.47 |
| 0 | (+32) | 453 | 114 | 133 | 47 | 0.37 | 1.74 | 9.81 | 2.47 | 2.88 |

| 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) | 123 | 31 | 36 | 21 | 0.21 | 0.39 | 5.89 | 1.48 | 1.73 |
| -30 | (-22) | 170 | 43 | 50 | 24 | 0.24 | 0.54 | 6.98 | 1.76 | 2.04 |
| -25 | (-13) | 227 | 57 | 66 | 28 | 0.26 | 0.73 | 8.12 | 2.05 | 2.38 |
| -20 | (- 4) | 295 | 74 | 86 | 32 | 0.28 | 0.95 | 9.36 | 2.36 | 2.74 |
| -15 | (+ 5) | 374 | 94 | 110 | 35 | 0.30 | 1.21 | 10.73 | 2.70 | 3.14 |
| -10 | (+14) | 467 | 118 | 137 | 38 | 0.32 | 1.51 | 12.25 | 3.09 | 3.59 |
| -5 | (+23) | 574 | 145 | 168 | 41 | 0.34 | 1.86 | 13.96 | 3.52 | 4.09 |
| 0 | (+32) | 695 | 175 | 204 | 43 | 0.36 | 2.26 | 15.91 | 4.01 | 4.66 |

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) | 92 | 23 | 27 | 21 | 0.21 | 0.32 | 4.50 | 1.13 | 1.32 |
| -30 | (-22) | 137 | 35 | 40 | 25 | 0.24 | 0.48 | 5.48 | 1.38 | 1.60 |
| -25 | (-13) | 191 | 48 | 56 | 29 | 0.27 | 0.67 | 6.45 | 1.63 | 1.89 |
| -20 | (- 4) | 255 | 64 | 75 | 34 | 0.30 | 0.89 | 7.47 | 1.88 | 2.19 |
| -15 | (+ 5) | 330 | 83 | 97 | 39 | 0.33 | 1.15 | 8.55 | 2.15 | 2.50 |
| -10 | (+14) | 417 | 105 | 122 | 43 | 0.36 | 1.46 | 9.73 | 2.45 | 2.85 |
| -5 | (+23) | 516 | 130 | 151 | 47 | 0.40 | 1.81 | 11.05 | 2.78 | 3.24 |
| 0 | (+32) | 630 | 159 | 185 | 50 | 0.43 | 2.22 | 12.53 | 3.16 | 3.67 |

| 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) | 68 | 17 | 20 | 19 | 0.20 | 0.26 | 3.53 | 0.89 | 1.04 |
| -30 | (-22) | 108 | 27 | 32 | 25 | 0.24 | 0.41 | 4.40 | 1.11 | 1.29 |
| -25 | (-13) | 157 | 40 | 46 | 30 | 0.27 | 0.60 | 5.21 | 1.31 | 1.53 |
| -20 | (- 4) | 214 | 54 | 63 | 36 | 0.31 | 0.82 | 6.00 | 1.51 | 1.76 |
| -15 | (+ 5) | 281 | 71 | 82 | 41 | 0.35 | 1.08 | 6.80 | 1.71 | 1.99 |
| -10 | (+14) | 359 | 91 | 105 | 47 | 0.39 | 1.38 | 7.64 | 1.93 | 2.24 |
| -5 | (+23) | 449 | 113 | 132 | 52 | 0.43 | 1.73 | 8.57 | 2.16 | 2.51 |
| 0 | (+32) | 551 | 139 | 161 | 57 | 0.48 | 2.13 | 9.60 | 2.42 | 2.81 |

| 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) | 156 | 39 | 46 | 26 | 0.25 | 0.50 | 5.94 | 1.50 | 1.74 |
| -30 | (-22) | 212 | 53 | 62 | 31 | 0.28 | 0.68 | 6.92 | 1.74 | 2.03 |
| -25 | (-13) | 284 | 71 | 83 | 35 | 0.31 | 0.91 | 8.02 | 2.02 | 2.35 |
| -20 | (- 4) | 371 | 93 | 109 | 40 | 0.35 | 1.19 | 9.26 | 2.33 | 2.71 |
| -15 | (+ 5) | 476 | 120 | 140 | 45 | 0.38 | 1.53 | 10.68 | 2.69 | 3.13 |
| -10 | (+14) | 601 | 152 | 176 | 49 | 0.41 | 1.94 | 12.30 | 3.10 | 3.60 |
| -5 | (+23) | 748 | 188 | 219 | 53 | 0.43 | 2.42 | 14.15 | 3.57 | 4.15 |
| 0 | (+32) | 917 | 231 | 269 | 56 | 0.45 | 2.97 | 16.27 | 4.10 | 4.77 |

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) | 126 | 32 | 37 | 26 | 0.24 | 0.44 | 4.81 | 1.21 | 1.41 |
| -30 | (-22) | 178 | 45 | 52 | 32 | 0.28 | 0.62 | 5.61 | 1.41 | 1.65 |
| -25 | (-13) | 241 | 61 | 71 | 37 | 0.32 | 0.84 | 6.46 | 1.63 | 1.89 |
| -20 | (- 4) | 318 | 80 | 93 | 43 | 0.36 | 1.11 | 7.39 | 1.86 | 2.16 |
| -15 | (+ 5) | 410 | 103 | 120 | 49 | 0.40 | 1.43 | 8.41 | 2.12 | 2.46 |
| -10 | (+14) | 519 | 131 | 152 | 54 | 0.43 | 1.82 | 9.57 | 2.41 | 2.80 |
| -5 | (+23) | 646 | 163 | 189 | 59 | 0.47 | 2.27 | 10.89 | 2.75 | 3.19 |
| 0 | (+32) | 793 | 200 | 232 | 64 | 0.50 | 2.79 | 12.41 | 3.13 | 3.64 |

| 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) | 92 | 23 | 27 | 25 | 0.24 | 0.35 | 3.69 | 0.93 | 1.08 |
| -30 | (-22) | 142 | 36 | 42 | 32 | 0.28 | 0.54 | 4.47 | 1.13 | 1.31 |
| -25 | (-13) | 201 | 51 | 59 | 38 | 0.33 | 0.77 | 5.22 | 1.32 | 1.53 |
| -20 | (- 4) | 271 | 68 | 80 | 45 | 0.38 | 1.04 | 5.98 | 1.51 | 1.75 |
| -15 | (+ 5) | 354 | 89 | 104 | 52 | 0.43 | 1.35 | 6.77 | 1.71 | 1.98 |
| -10 | (+14) | 450 | 113 | 132 | 59 | 0.48 | 1.73 | 7.62 | 1.92 | 2.23 |
| -5 | (+23) | 562 | 142 | 165 | 66 | 0.52 | 2.16 | 8.56 | 2.16 | 2.51 |
| 0 | (+32) | 691 | 174 | 202 | 72 | 0.56 | 2.66 | 9.62 | 2.43 | 2.82 |

| 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) | 226 | 57 | 66 | 39 | 0.33 | 0.72 | 5.72 | 1.44 | 1.68 |
| -30 | (-22) | 314 | 79 | 92 | 47 | 0.39 | 1.00 | 6.62 | 1.67 | 1.94 |
| -25 | (-13) | 424 | 107 | 124 | 56 | 0.44 | 1.36 | 7.63 | 1.92 | 2.24 |
| -20 | (- 4) | 558 | 141 | 164 | 64 | 0.50 | 1.79 | 8.76 | 2.21 | 2.57 |
| -15 | (+ 5) | 716 | 180 | 210 | 72 | 0.55 | 2.30 | 9.99 | 2.52 | 2.93 |
| -10 | (+14) | 897 | 226 | 263 | 80 | 0.60 | 2.90 | 11.32 | 2.85 | 3.32 |
| -5 | (+23) | 1104 | 278 | 323 | 86 | 0.65 | 3.57 | 12.73 | 3.21 | 3.73 |
| 0 | (+32) | 1335 | 336 | 391 | 92 | 0.69 | 4.33 | 14.21 | 3.58 | 4.17 |

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) | 186 | 47 | 55 | 40 | 0.34 | 0.65 | 4.66 | 1.17 | 1.37 |
| -30 | (-22) | 261 | 66 | 77 | 48 | 0.40 | 0.91 | 5.39 | 1.36 | 1.58 |
| -25 | (-13) | 359 | 90 | 105 | 58 | 0.46 | 1.25 | 6.21 | 1.56 | 1.82 |
| -20 | (- 4) | 479 | 121 | 140 | 67 | 0.52 | 1.67 | 7.11 | 1.79 | 2.08 |
| -15 | (+ 5) | 623 | 157 | 182 | 77 | 0.59 | 2.17 | 8.09 | 2.04 | 2.37 |
| -10 | (+14) | 790 | 199 | 231 | 87 | 0.65 | 2.77 | 9.13 | 2.30 | 2.68 |
| -5 | (+23) | 981 | 247 | 288 | 96 | 0.71 | 3.45 | 10.24 | 2.58 | 3.00 |
| 0 | (+32) | 1198 | 302 | 351 | 105 | 0.77 | 4.21 | 11.39 | 2.87 | 3.34 |

| 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) | 153 | 39 | 45 | 40 | 0.35 | 0.58 | 3.84 | 0.97 | 1.12 |
| -30 | (-22) | 216 | 54 | 63 | 49 | 0.41 | 0.82 | 4.45 | 1.12 | 1.30 |
| -25 | (-13) | 301 | 76 | 88 | 59 | 0.48 | 1.15 | 5.13 | 1.29 | 1.50 |
| -20 | (- 4) | 409 | 103 | 120 | 70 | 0.55 | 1.56 | 5.86 | 1.48 | 1.72 |
| -15 | (+ 5) | 539 | 136 | 158 | 81 | 0.62 | 2.06 | 6.64 | 1.67 | 1.94 |
| -10 | (+14) | 692 | 174 | 203 | 93 | 0.70 | 2.66 | 7.46 | 1.88 | 2.18 |
| -5 | (+23) | 870 | 219 | 255 | 105 | 0.78 | 3.35 | 8.31 | 2.09 | 2.43 |
| 0 | (+32) | 1071 | 270 | 314 | 116 | 0.86 | 4.13 | 9.18 | 2.31 | 2.69 |

| 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) | 294 | 74 | 86 | 54 | 0.44 | 0.94 | 5.45 | 1.37 | 1.60 |
| -30 | (-22) | 399 | 101 | 117 | 64 | 0.51 | 1.28 | 6.26 | 1.58 | 1.83 |
| -25 | (-13) | 533 | 134 | 156 | 74 | 0.58 | 1.71 | 7.17 | 1.81 | 2.10 |
| -20 | (- 4) | 698 | 176 | 204 | 85 | 0.65 | 2.24 | 8.19 | 2.06 | 2.40 |
| -15 | (+ 5) | 897 | 226 | 263 | 96 | 0.73 | 2.89 | 9.33 | 2.35 | 2.73 |
| -10 | (+14) | 1133 | 286 | 332 | 107 | 0.80 | 3.65 | 10.61 | 2.67 | 3.11 |
| -5 | (+23) | 1409 | 355 | 413 | 117 | 0.87 | 4.56 | 12.05 | 3.04 | 3.53 |
| 0 | (+32) | 1727 | 435 | 506 | 127 | 0.93 | 5.61 | 13.64 | 3.44 | 4.00 |

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) | 258 | 65 | 76 | 56 | 0.45 | 0.89 | 4.59 | 1.16 | 1.34 |
| -30 | (-22) | 351 | 88 | 103 | 67 | 0.52 | 1.22 | 5.27 | 1.33 | 1.54 |
| -25 | (-13) | 467 | 118 | 137 | 78 | 0.60 | 1.63 | 6.01 | 1.51 | 1.76 |
| -20 | (- 4) | 610 | 154 | 179 | 89 | 0.68 | 2.13 | 6.83 | 1.72 | 2.00 |
| -15 | (+ 5) | 782 | 197 | 229 | 101 | 0.76 | 2.73 | 7.74 | 1.95 | 2.27 |
| -10 | (+14) | 985 | 248 | 289 | 112 | 0.84 | 3.45 | 8.75 | 2.21 | 2.56 |
| -5 | (+23) | 1223 | 308 | 358 | 124 | 0.92 | 4.29 | 9.88 | 2.49 | 2.89 |
| 0 | (+32) | 1497 | 377 | 439 | 134 | 0.99 | 5.27 | 11.14 | 2.81 | 3.26 |

| 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) | 211 | 53 | 62 | 56 | 0.44 | 0.80 | 3.73 | 0.94 | 1.09 |
| -30 | (-22) | 295 | 74 | 86 | 68 | 0.52 | 1.12 | 4.32 | 1.09 | 1.27 |
| -25 | (-13) | 397 | 100 | 116 | 80 | 0.61 | 1.52 | 4.94 | 1.25 | 1.45 |
| -20 | (- 4) | 521 | 131 | 153 | 93 | 0.70 | 1.99 | 5.61 | 1.41 | 1.64 |
| -15 | (+ 5) | 668 | 168 | 196 | 106 | 0.80 | 2.56 | 6.33 | 1.60 | 1.86 |
| -10 | (+14) | 842 | 212 | 247 | 118 | 0.89 | 3.23 | 7.13 | 1.80 | 2.09 |
| -5 | (+23) | 1044 | 263 | 306 | 130 | 0.98 | 4.02 | 8.00 | 2.02 | 2.35 |
| 0 | (+32) | 1278 | 322 | 375 | 142 | 1.06 | 4.93 | 8.97 | 2.26 | 2.63 |

F - CARACTERÍSTICAS EXTERNAS

| | | | |
|--------------------------------------|----------------|------|-----------|
| 1 Placa base | | | |
| 2 Soporte de badeja | No | | |
| 3 Tubos | | | |
| 3.1 SUCCIÓN | 6.5 | [mm] | (0.256") |
| 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 | 6.5 | [mm] | (0.256") |
| 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 | | |