

DEFINICIÓN DEL COMPRESOR

| | |
|------------------------------|------------------------|
| Denominación | VES C9C |
| Voltage / Frecuencia nominal | 230 V 40-150 Hz |
| Código de Ingeniería | 513907077 |

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 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 | 9.04 | [cm ³] (0.552 cu.in) |
| 2.1 Diametro [mm] | 24.000 | |
| 2.2 Curso [mm] | 20.000 | |
| 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) | 6.45 | [kg] (14.22 lb.) |
| 5 Carga de nitrógeno | - | [kgf/cm ²] |

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 | VCC3 1156 XXXXX/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 | 13.40 | [Ω en 25°C (77°F)] +/- 8% |
| 7 Resistencia del motor - bobina marcha | 13.40 | [Ω en 25°C (77°F)] +/- 8% |
| 8 LRA - Corriente com rotor trabado (46/133 Hz) | 2.10/2.10 | [A] - Medido según UL 984 |
| 9 FLA - Corriente a plena carga L/MBP (46/133 Hz) | 2.10/2.10 | [A] - Medido según UL 984 |
| 10 FLA - Corriente a plena carga HBP (46/133 Hz) | - | [A] - Medido según UL 984 |
| 11 Institutos de aprobación | CCC - VDE | |

D - PERFORMANCE - DATOS CHECK POINT

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|---|-----------|-------|
| CONDICIONES DE PRUEBA: @220V1300RPM | | | CECOMAFLBP Estática | | Temperatura de evaporación (Temp. de condensación) | -25°C (-13°F) 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] |
| 167 | 42 | 49 | 35 | 0.25 | 0.64 | 4.81 | 1.21 | 1.41 |

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|---|-----------|-------|
| CONDICIONES DE PRUEBA: @220V1600RPM | | | CECOMAFLBP Estática | | Temperatura de evaporación (Temp. de condensación) | -25°C (-13°F) 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] |
| 209 | 53 | 61 | 42 | 0.31 | 0.80 | 5.01 | 1.26 | 1.47 |

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|---|-----------|-------|
| CONDICIONES DE PRUEBA: @220V2000RPM | | | CECOMAFLBP Estática | | Temperatura de evaporación (Temp. de condensación) | -25°C (-13°F) 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] |
| 272 | 69 | 80 | 54 | 0.40 | 1.04 | 5.04 | 1.27 | 1.48 |

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|---|-----------|-------|
| CONDICIONES DE PRUEBA: @220V3000RPM | | | CECOMAFLBP Estática | | Temperatura de evaporación (Temp. de condensación) | -25°C (-13°F) 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] |
| 413 | 104 | 121 | 82 | 0.61 | 1.57 | 5.01 | 1.26 | 1.47 |

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|---|-----------|-------|
| CONDICIONES DE PRUEBA: @220V4500RPM | | | CECOMAFLBP Estática | | Temperatura de evaporación (Temp. de condensación) | -25°C (-13°F) 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] |
| 595 | 150 | 174 | 125 | 0.85 | 2.27 | 4.74 | 1.19 | 1.39 |

E - PERFORMANCE - CURVAS

| 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) | 135 | 34 | 39 | 23 | 0.17 | 0.43 | 5.96 | 1.50 | 1.75 | |
| -30 (-22) | 179 | 45 | 53 | 26 | 0.22 | 0.58 | 6.85 | 1.73 | 2.01 | |
| -25 (-13) | 235 | 59 | 69 | 30 | 0.25 | 0.75 | 7.85 | 1.98 | 2.30 | |
| -20 (- 4) | 303 | 76 | 89 | 34 | 0.27 | 0.97 | 8.96 | 2.26 | 2.63 | |
| -15 (+ 5) | 384 | 97 | 113 | 38 | 0.29 | 1.24 | 10.23 | 2.58 | 3.00 | |
| -10 (+14) | 480 | 121 | 141 | 41 | 0.31 | 1.55 | 11.67 | 2.94 | 3.42 | |

| 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) | 109 | 28 | 32 | 23 | 0.20 | 0.38 | 4.86 | 1.23 | 1.42 | |
| -30 (-22) | 152 | 38 | 44 | 28 | 0.23 | 0.53 | 5.51 | 1.39 | 1.61 | |
| -25 (-13) | 205 | 52 | 60 | 33 | 0.25 | 0.71 | 6.21 | 1.57 | 1.82 | |
| -20 (- 4) | 269 | 68 | 79 | 38 | 0.28 | 0.94 | 7.00 | 1.76 | 2.05 | |
| -15 (+ 5) | 346 | 87 | 101 | 44 | 0.31 | 1.21 | 7.89 | 1.99 | 2.31 | |
| -10 (+14) | 438 | 110 | 128 | 49 | 0.36 | 1.53 | 8.92 | 2.25 | 2.61 | |

| 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) | 87 | 22 | 26 | 24 | 0.18 | 0.33 | 3.63 | 0.92 | 1.06 | |
| -30 (-22) | 122 | 31 | 36 | 29 | 0.21 | 0.46 | 4.21 | 1.06 | 1.23 | |
| -25 (-13) | 167 | 42 | 49 | 35 | 0.25 | 0.64 | 4.81 | 1.21 | 1.41 | |
| -20 (- 4) | 223 | 56 | 65 | 41 | 0.30 | 0.85 | 5.45 | 1.37 | 1.60 | |
| -15 (+ 5) | 292 | 73 | 85 | 47 | 0.38 | 1.12 | 6.16 | 1.55 | 1.80 | |
| -10 (+14) | 374 | 94 | 110 | 54 | 0.48 | 1.44 | 6.96 | 1.75 | 2.04 | |

| 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) | 169 | 43 | 50 | 28 | 0.22 | 0.54 | 6.04 | 1.52 | 1.77 | |
| -30 (-22) | 225 | 57 | 66 | 33 | 0.26 | 0.72 | 6.86 | 1.73 | 2.01 | |
| -25 (-13) | 292 | 74 | 86 | 38 | 0.30 | 0.94 | 7.78 | 1.96 | 2.28 | |
| -20 (- 4) | 374 | 94 | 110 | 42 | 0.34 | 1.20 | 8.83 | 2.23 | 2.59 | |
| -15 (+ 5) | 473 | 119 | 139 | 47 | 0.38 | 1.52 | 10.06 | 2.53 | 2.95 | |
| -10 (+14) | 593 | 149 | 174 | 52 | 0.41 | 1.91 | 11.49 | 2.89 | 3.37 | |

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) | 137 | 35 | 40 | 28 | 0.23 | 0.48 | 4.95 | 1.25 | 1.45 |
| -30 | (-22) | 192 | 48 | 56 | 34 | 0.26 | 0.67 | 5.61 | 1.41 | 1.64 |
| -25 | (-13) | 257 | 65 | 75 | 41 | 0.30 | 0.89 | 6.31 | 1.59 | 1.85 |
| -20 | (- 4) | 336 | 85 | 98 | 47 | 0.35 | 1.17 | 7.07 | 1.78 | 2.07 |
| -15 | (+ 5) | 431 | 109 | 126 | 54 | 0.40 | 1.51 | 7.95 | 2.00 | 2.33 |
| -10 | (+14) | 546 | 138 | 160 | 61 | 0.45 | 1.91 | 8.96 | 2.26 | 2.63 |

| 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) | 112 | 28 | 33 | 29 | 0.22 | 0.43 | 3.79 | 0.95 | 1.11 |
| -30 | (-22) | 156 | 39 | 46 | 35 | 0.25 | 0.59 | 4.41 | 1.11 | 1.29 |
| -25 | (-13) | 209 | 53 | 61 | 42 | 0.31 | 0.80 | 5.01 | 1.26 | 1.47 |
| -20 | (- 4) | 275 | 69 | 81 | 49 | 0.38 | 1.05 | 5.61 | 1.41 | 1.64 |
| -15 | (+ 5) | 357 | 90 | 105 | 57 | 0.46 | 1.37 | 6.26 | 1.58 | 1.83 |
| -10 | (+14) | 457 | 115 | 134 | 65 | 0.55 | 1.76 | 6.99 | 1.76 | 2.05 |

| 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) | 210 | 53 | 62 | 35 | 0.27 | 0.67 | 5.92 | 1.49 | 1.73 |
| -30 | (-22) | 282 | 71 | 83 | 42 | 0.31 | 0.91 | 6.78 | 1.71 | 1.99 |
| -25 | (-13) | 370 | 93 | 108 | 48 | 0.36 | 1.19 | 7.72 | 1.95 | 2.26 |
| -20 | (- 4) | 475 | 120 | 139 | 54 | 0.41 | 1.53 | 8.76 | 2.21 | 2.57 |
| -15 | (+ 5) | 601 | 151 | 176 | 60 | 0.45 | 1.93 | 9.95 | 2.51 | 2.92 |
| -10 | (+14) | 750 | 189 | 220 | 66 | 0.50 | 2.42 | 11.33 | 2.86 | 3.32 |

| 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) | 179 | 45 | 52 | 37 | 0.28 | 0.62 | 4.88 | 1.23 | 1.43 |
| -30 | (-22) | 244 | 62 | 72 | 44 | 0.33 | 0.85 | 5.57 | 1.40 | 1.63 |
| -25 | (-13) | 323 | 81 | 95 | 51 | 0.38 | 1.12 | 6.29 | 1.58 | 1.84 |
| -20 | (- 4) | 418 | 105 | 122 | 59 | 0.44 | 1.46 | 7.06 | 1.78 | 2.07 |
| -15 | (+ 5) | 531 | 134 | 156 | 67 | 0.49 | 1.86 | 7.94 | 2.00 | 2.33 |
| -10 | (+14) | 666 | 168 | 195 | 74 | 0.54 | 2.33 | 8.97 | 2.26 | 2.63 |

E - PERFORMANCE - CURVAS

| 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) | 142 | 36 | 42 | 37 | 0.27 | 0.54 | 3.85 | 0.97 | 1.13 | |
| -30 (-22) | 201 | 51 | 59 | 45 | 0.34 | 0.76 | 4.46 | 1.12 | 1.31 | |
| -25 (-13) | 272 | 69 | 80 | 54 | 0.40 | 1.04 | 5.04 | 1.27 | 1.48 | |
| -20 (- 4) | 357 | 90 | 105 | 63 | 0.47 | 1.36 | 5.64 | 1.42 | 1.65 | |
| -15 (+ 5) | 458 | 116 | 134 | 73 | 0.53 | 1.76 | 6.30 | 1.59 | 1.85 | |
| -10 (+14) | 579 | 146 | 170 | 82 | 0.59 | 2.22 | 7.05 | 1.78 | 2.07 | |

| 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) | 312 | 79 | 91 | 54 | 0.40 | 1.00 | 5.73 | 1.44 | 1.68 | |
| -30 (-22) | 428 | 108 | 126 | 65 | 0.47 | 1.37 | 6.61 | 1.67 | 1.94 | |
| -25 (-13) | 565 | 142 | 166 | 75 | 0.54 | 1.81 | 7.51 | 1.89 | 2.20 | |
| -20 (- 4) | 726 | 183 | 213 | 86 | 0.62 | 2.33 | 8.45 | 2.13 | 2.48 | |
| -15 (+ 5) | 914 | 230 | 268 | 97 | 0.70 | 2.94 | 9.46 | 2.38 | 2.77 | |
| -10 (+14) | 1132 | 285 | 332 | 108 | 0.76 | 3.65 | 10.54 | 2.66 | 3.09 | |

| 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) | 259 | 65 | 76 | 55 | 0.42 | 0.90 | 4.73 | 1.19 | 1.39 | |
| -30 (-22) | 364 | 92 | 107 | 67 | 0.49 | 1.27 | 5.44 | 1.37 | 1.59 | |
| -25 (-13) | 489 | 123 | 143 | 79 | 0.58 | 1.70 | 6.16 | 1.55 | 1.80 | |
| -20 (- 4) | 637 | 160 | 187 | 92 | 0.66 | 2.22 | 6.91 | 1.74 | 2.02 | |
| -15 (+ 5) | 810 | 204 | 237 | 105 | 0.75 | 2.83 | 7.71 | 1.94 | 2.26 | |
| -10 (+14) | 1013 | 255 | 297 | 118 | 0.83 | 3.55 | 8.58 | 2.16 | 2.51 | |

| 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) | 213 | 54 | 62 | 55 | 0.40 | 0.81 | 3.85 | 0.97 | 1.13 | |
| -30 (-22) | 304 | 77 | 89 | 69 | 0.50 | 1.15 | 4.43 | 1.12 | 1.30 | |
| -25 (-13) | 413 | 104 | 121 | 82 | 0.61 | 1.57 | 5.01 | 1.26 | 1.47 | |
| -20 (- 4) | 543 | 137 | 159 | 97 | 0.73 | 2.08 | 5.61 | 1.41 | 1.64 | |
| -15 (+ 5) | 699 | 176 | 205 | 112 | 0.84 | 2.68 | 6.25 | 1.57 | 1.83 | |
| -10 (+14) | 882 | 222 | 259 | 127 | 0.96 | 3.39 | 6.94 | 1.75 | 2.03 | |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: @220V4500RPM | | 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) | 447 | 113 | 131 | 85 | 0.61 | 1.43 | 5.27 | 1.33 | 1.54 | |
| -30 (-22) | 590 | 149 | 173 | 98 | 0.69 | 1.90 | 6.01 | 1.51 | 1.76 | |
| -25 (-13) | 749 | 189 | 220 | 111 | 0.76 | 2.41 | 6.79 | 1.71 | 1.99 | |
| -20 (- 4) | 943 | 238 | 276 | 124 | 0.83 | 3.03 | 7.63 | 1.92 | 2.24 | |
| -15 (+ 5) | 1188 | 299 | 348 | 139 | 0.91 | 3.82 | 8.55 | 2.15 | 2.50 | |
| -10 (+14) | 1504 | 379 | 441 | 157 | 1.00 | 4.85 | 9.54 | 2.40 | 2.80 | |

| CONDICIONES DE PRUEBA: @220V4500RPM | | CECOMAF Estática | | | (Temp. de condensación 45°C (+113°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) | 401 | 101 | 118 | 88 | 0.64 | 1.39 | 4.54 | 1.14 | 1.33 | |
| -30 (-22) | 535 | 135 | 157 | 104 | 0.73 | 1.86 | 5.12 | 1.29 | 1.50 | |
| -25 (-13) | 677 | 171 | 198 | 118 | 0.82 | 2.36 | 5.75 | 1.45 | 1.68 | |
| -20 (- 4) | 847 | 213 | 248 | 133 | 0.89 | 2.95 | 6.42 | 1.62 | 1.88 | |
| -15 (+ 5) | 1061 | 267 | 311 | 149 | 0.97 | 3.71 | 7.15 | 1.80 | 2.10 | |
| -10 (+14) | 1338 | 337 | 392 | 168 | 1.06 | 4.69 | 7.96 | 2.00 | 2.33 | |

| CONDICIONES DE PRUEBA: @220V4500RPM | | CECOMAF Estática | | | (Temp. de condensación 55°C (+131°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) | 324 | 82 | 95 | 88 | 0.63 | 1.24 | 3.73 | 0.94 | 1.09 | |
| -30 (-22) | 458 | 115 | 134 | 107 | 0.75 | 1.73 | 4.22 | 1.06 | 1.24 | |
| -25 (-13) | 595 | 150 | 174 | 125 | 0.85 | 2.26 | 4.73 | 1.19 | 1.39 | |
| -20 (- 4) | 751 | 189 | 220 | 142 | 0.94 | 2.87 | 5.28 | 1.33 | 1.55 | |
| -15 (+ 5) | 945 | 238 | 277 | 161 | 1.03 | 3.63 | 5.89 | 1.48 | 1.72 | |
| -10 (+14) | 1195 | 301 | 350 | 183 | 1.12 | 4.60 | 6.55 | 1.65 | 1.92 | |

F - CARACTERÍSTICAS EXTERNAS

| | | | |
|--------------------------------------|----------------|------|-----------|
| 1 Placa base | | | |
| 2 Soporte de badeja | No | | |
| 3 Tubos | | | |
| 3.1 SUCCIÓN | 6.2 | [mm] | (0.244") |
| 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 | | |