

DEFINICIÓN DEL COMPRESOR

| | |
|------------------------------|------------------------|
| Denominación | VES A7C |
| Voltage / Frecuencia nominal | 230 V 40-150 Hz |
| Código de Ingeniería | 513907078 |

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 | 7.23 | [cm ³] (0.441 cu.in) |
| 2.1 Diametro [mm] | 24.000 | |
| 2.2 Curso [mm] | 16.000 | |
| 3 Carga de aceite | 200 | [ml] (6.76 fl.oz.) |
| 3.1 Aceites aprobados | | |
| 3.2 Tipo/Viscosidad del aceite | ALQUILB / ISO5 | |
| 4 Peso (com carga de aceite) | 5.99 | [kg] (13.21 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 | 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 | 11.50 | [Ω en 25°C (77°F)] +/- 8% |
| 7 Resistencia del motor - bobina marcha | 11.50 | [Ω en 25°C (77°F)] +/- 8% |
| 8 LRA - Corriente com rotor trabado (40/150 Hz) | 2.10/2.10 | [A] - Medido según UL 984 |
| 9 FLA - Corriente a plena carga L/MBP (40/150 Hz) | 2.10/2.10 | [A] - Medido según UL 984 |
| 10 FLA - Corriente a plena carga HBP (40/150 Hz) | - | [A] - Medido según UL 984 |
| 11 Institutos de aprobación | CCC - VDE | |

D - PERFORMANCE - DATOS CHECK POINT

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|---|-----------|-------|
| 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] |
| 117 | 29 | 34 | 27 | 0.23 | 0.45 | 4.40 | 1.11 | 1.29 |

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|---|-----------|-------|
| 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] |
| 151 | 38 | 44 | 32 | 0.27 | 0.58 | 4.66 | 1.17 | 1.37 |

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|---|-----------|-------|
| 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] |
| 193 | 49 | 57 | 40 | 0.32 | 0.74 | 4.87 | 1.23 | 1.43 |

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|---|-----------|-------|
| 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] |
| 299 | 75 | 88 | 62 | 0.48 | 1.14 | 4.86 | 1.22 | 1.42 |

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|---|---|-----------|-------|
| 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] |
| 453 | 114 | 133 | 95 | 0.73 | 1.73 | 4.75 | 1.20 | 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) | 100 | 25 | 29 | 17 | 0.15 | 0.32 | 5.72 | 1.44 | 1.68 | |
| -30 (-22) | 132 | 33 | 39 | 21 | 0.18 | 0.42 | 6.41 | 1.62 | 1.88 | |
| -25 (-13) | 176 | 44 | 52 | 24 | 0.21 | 0.57 | 7.30 | 1.84 | 2.14 | |
| -20 (- 4) | 232 | 59 | 68 | 28 | 0.24 | 0.75 | 8.39 | 2.11 | 2.46 | |
| -15 (+ 5) | 299 | 75 | 88 | 31 | 0.26 | 0.96 | 9.68 | 2.44 | 2.84 | |
| -10 (+14) | 375 | 95 | 110 | 34 | 0.29 | 1.21 | 11.17 | 2.82 | 3.27 | |

| 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) | 76 | 19 | 22 | 18 | 0.16 | 0.26 | 4.27 | 1.08 | 1.25 | |
| -30 (-22) | 106 | 27 | 31 | 22 | 0.19 | 0.37 | 4.89 | 1.23 | 1.43 | |
| -25 (-13) | 147 | 37 | 43 | 26 | 0.22 | 0.51 | 5.62 | 1.42 | 1.65 | |
| -20 (- 4) | 199 | 50 | 58 | 31 | 0.26 | 0.69 | 6.45 | 1.63 | 1.89 | |
| -15 (+ 5) | 260 | 66 | 76 | 35 | 0.29 | 0.91 | 7.40 | 1.86 | 2.17 | |
| -10 (+14) | 330 | 83 | 97 | 39 | 0.32 | 1.15 | 8.46 | 2.13 | 2.48 | |

| 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) | 54 | 14 | 16 | 17 | 0.15 | 0.21 | 3.12 | 0.79 | 0.91 | |
| -30 (-22) | 80 | 20 | 24 | 22 | 0.19 | 0.31 | 3.75 | 0.94 | 1.10 | |
| -25 (-13) | 117 | 30 | 34 | 27 | 0.23 | 0.45 | 4.39 | 1.11 | 1.29 | |
| -20 (- 4) | 163 | 41 | 48 | 32 | 0.27 | 0.62 | 5.05 | 1.27 | 1.48 | |
| -15 (+ 5) | 218 | 55 | 64 | 38 | 0.32 | 0.83 | 5.73 | 1.44 | 1.68 | |
| -10 (+14) | 280 | 71 | 82 | 44 | 0.36 | 1.07 | 6.44 | 1.62 | 1.89 | |

| 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) | 121 | 31 | 36 | 22 | 0.19 | 0.39 | 5.61 | 1.41 | 1.64 | |
| -30 (-22) | 170 | 43 | 50 | 26 | 0.22 | 0.55 | 6.58 | 1.66 | 1.93 | |
| -25 (-13) | 226 | 57 | 66 | 30 | 0.25 | 0.73 | 7.55 | 1.90 | 2.21 | |
| -20 (- 4) | 292 | 74 | 86 | 34 | 0.28 | 0.94 | 8.62 | 2.17 | 2.53 | |
| -15 (+ 5) | 370 | 93 | 108 | 38 | 0.31 | 1.19 | 9.85 | 2.48 | 2.89 | |
| -10 (+14) | 464 | 117 | 136 | 41 | 0.34 | 1.50 | 11.34 | 2.86 | 3.32 | |

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) | 93 | 23 | 27 | 21 | 0.19 | 0.32 | 4.39 | 1.11 | 1.29 |
| -30 | (-22) | 138 | 35 | 40 | 26 | 0.22 | 0.48 | 5.22 | 1.32 | 1.53 |
| -25 | (-13) | 189 | 48 | 55 | 32 | 0.26 | 0.66 | 5.99 | 1.51 | 1.76 |
| -20 | (- 4) | 250 | 63 | 73 | 37 | 0.30 | 0.87 | 6.77 | 1.71 | 1.98 |
| -15 | (+ 5) | 322 | 81 | 94 | 42 | 0.34 | 1.12 | 7.64 | 1.93 | 2.24 |
| -10 | (+14) | 408 | 103 | 120 | 47 | 0.38 | 1.43 | 8.69 | 2.19 | 2.55 |

| 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) | 65 | 16 | 19 | 20 | 0.18 | 0.25 | 3.14 | 0.79 | 0.92 |
| -30 | (-22) | 105 | 26 | 31 | 26 | 0.22 | 0.40 | 3.98 | 1.00 | 1.17 |
| -25 | (-13) | 151 | 38 | 44 | 32 | 0.27 | 0.57 | 4.66 | 1.18 | 1.37 |
| -20 | (- 4) | 205 | 52 | 60 | 39 | 0.32 | 0.78 | 5.29 | 1.33 | 1.55 |
| -15 | (+ 5) | 270 | 68 | 79 | 46 | 0.37 | 1.04 | 5.93 | 1.49 | 1.74 |
| -10 | (+14) | 349 | 88 | 102 | 52 | 0.42 | 1.34 | 6.66 | 1.68 | 1.95 |

| 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) | 153 | 39 | 45 | 27 | 0.23 | 0.49 | 5.58 | 1.41 | 1.64 |
| -30 | (-22) | 207 | 52 | 61 | 32 | 0.27 | 0.67 | 6.51 | 1.64 | 1.91 |
| -25 | (-13) | 278 | 70 | 81 | 37 | 0.31 | 0.89 | 7.49 | 1.89 | 2.20 |
| -20 | (- 4) | 364 | 92 | 107 | 42 | 0.35 | 1.17 | 8.59 | 2.16 | 2.52 |
| -15 | (+ 5) | 467 | 118 | 137 | 48 | 0.39 | 1.50 | 9.85 | 2.48 | 2.89 |
| -10 | (+14) | 586 | 148 | 172 | 52 | 0.43 | 1.89 | 11.33 | 2.85 | 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) | 121 | 30 | 35 | 27 | 0.23 | 0.42 | 4.49 | 1.13 | 1.32 |
| -30 | (-22) | 171 | 43 | 50 | 32 | 0.27 | 0.59 | 5.28 | 1.33 | 1.55 |
| -25 | (-13) | 236 | 59 | 69 | 39 | 0.32 | 0.82 | 6.06 | 1.53 | 1.77 |
| -20 | (- 4) | 316 | 80 | 93 | 46 | 0.37 | 1.10 | 6.87 | 1.73 | 2.01 |
| -15 | (+ 5) | 410 | 103 | 120 | 53 | 0.42 | 1.43 | 7.78 | 1.96 | 2.28 |
| -10 | (+14) | 520 | 131 | 152 | 59 | 0.47 | 1.82 | 8.83 | 2.22 | 2.59 |

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% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 91 | 23 | 27 | 26 | 0.22 | 0.34 | 3.42 | 0.86 | 1.00 | |
| -30 (-22) | 135 | 34 | 40 | 33 | 0.27 | 0.52 | 4.19 | 1.06 | 1.23 | |
| -25 (-13) | 193 | 49 | 57 | 40 | 0.32 | 0.74 | 4.87 | 1.23 | 1.43 | |
| -20 (- 4) | 265 | 67 | 78 | 48 | 0.38 | 1.01 | 5.52 | 1.39 | 1.62 | |
| -15 (+ 5) | 350 | 88 | 102 | 57 | 0.45 | 1.34 | 6.18 | 1.56 | 1.81 | |
| -10 (+14) | 448 | 113 | 131 | 65 | 0.51 | 1.72 | 6.91 | 1.74 | 2.03 | |

| 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% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 223 | 56 | 65 | 42 | 0.34 | 0.71 | 5.36 | 1.35 | 1.57 | |
| -30 (-22) | 320 | 81 | 94 | 50 | 0.39 | 1.02 | 6.29 | 1.58 | 1.84 | |
| -25 (-13) | 435 | 110 | 127 | 59 | 0.45 | 1.40 | 7.34 | 1.85 | 2.15 | |
| -20 (- 4) | 570 | 144 | 167 | 67 | 0.52 | 1.83 | 8.51 | 2.14 | 2.49 | |
| -15 (+ 5) | 726 | 183 | 213 | 75 | 0.59 | 2.34 | 9.77 | 2.46 | 2.86 | |
| -10 (+14) | 905 | 228 | 265 | 82 | 0.64 | 2.92 | 11.10 | 2.80 | 3.25 | |

| 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% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 188 | 47 | 55 | 42 | 0.35 | 0.65 | 4.53 | 1.14 | 1.33 | |
| -30 (-22) | 268 | 68 | 79 | 51 | 0.40 | 0.93 | 5.22 | 1.32 | 1.53 | |
| -25 (-13) | 368 | 93 | 108 | 61 | 0.47 | 1.28 | 6.01 | 1.52 | 1.76 | |
| -20 (- 4) | 489 | 123 | 143 | 71 | 0.55 | 1.70 | 6.89 | 1.74 | 2.02 | |
| -15 (+ 5) | 633 | 159 | 185 | 81 | 0.63 | 2.21 | 7.84 | 1.98 | 2.30 | |
| -10 (+14) | 800 | 202 | 234 | 91 | 0.71 | 2.80 | 8.84 | 2.23 | 2.59 | |

| 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% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 156 | 39 | 46 | 42 | 0.35 | 0.59 | 3.66 | 0.92 | 1.07 | |
| -30 (-22) | 217 | 55 | 64 | 52 | 0.40 | 0.82 | 4.22 | 1.06 | 1.24 | |
| -25 (-13) | 299 | 75 | 88 | 62 | 0.48 | 1.14 | 4.86 | 1.22 | 1.42 | |
| -20 (- 4) | 404 | 102 | 118 | 73 | 0.56 | 1.54 | 5.56 | 1.40 | 1.63 | |
| -15 (+ 5) | 532 | 134 | 156 | 85 | 0.65 | 2.04 | 6.30 | 1.59 | 1.85 | |
| -10 (+14) | 686 | 173 | 201 | 97 | 0.74 | 2.64 | 7.07 | 1.78 | 2.07 | |

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) | 356 | 90 | 104 | 67 | 0.53 | 1.14 | 5.30 | 1.34 | 1.55 | |
| -30 (-22) | 484 | 122 | 142 | 79 | 0.60 | 1.56 | 6.10 | 1.54 | 1.79 | |
| -25 (-13) | 634 | 160 | 186 | 91 | 0.69 | 2.04 | 6.97 | 1.76 | 2.04 | |
| -20 (- 4) | 814 | 205 | 239 | 103 | 0.78 | 2.62 | 7.90 | 1.99 | 2.32 | |
| -15 (+ 5) | 1031 | 260 | 302 | 116 | 0.88 | 3.32 | 8.91 | 2.24 | 2.61 | |
| -10 (+14) | 1293 | 326 | 379 | 129 | 0.99 | 4.17 | 9.98 | 2.52 | 2.93 | |

| 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) | 292 | 74 | 86 | 66 | 0.53 | 1.01 | 4.44 | 1.12 | 1.30 | |
| -30 (-22) | 412 | 104 | 121 | 80 | 0.62 | 1.43 | 5.12 | 1.29 | 1.50 | |
| -25 (-13) | 550 | 139 | 161 | 94 | 0.72 | 1.92 | 5.83 | 1.47 | 1.71 | |
| -20 (- 4) | 714 | 180 | 209 | 109 | 0.83 | 2.49 | 6.59 | 1.66 | 1.93 | |
| -15 (+ 5) | 911 | 230 | 267 | 123 | 0.94 | 3.18 | 7.38 | 1.86 | 2.16 | |
| -10 (+14) | 1148 | 289 | 337 | 139 | 1.05 | 4.02 | 8.23 | 2.07 | 2.41 | |

| 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) | 217 | 55 | 64 | 62 | 0.49 | 0.83 | 3.52 | 0.89 | 1.03 | |
| -30 (-22) | 328 | 83 | 96 | 79 | 0.61 | 1.25 | 4.13 | 1.04 | 1.21 | |
| -25 (-13) | 453 | 114 | 133 | 95 | 0.73 | 1.72 | 4.75 | 1.20 | 1.39 | |
| -20 (- 4) | 600 | 151 | 176 | 112 | 0.85 | 2.29 | 5.39 | 1.36 | 1.58 | |
| -15 (+ 5) | 776 | 196 | 227 | 129 | 0.98 | 2.97 | 6.04 | 1.52 | 1.77 | |
| -10 (+14) | 989 | 249 | 290 | 147 | 1.11 | 3.80 | 6.72 | 1.69 | 1.97 | |

F - CARACTERÍSTICAS EXTERNAS

| | | | |
|--------------------------------------|----------------|------|-----------|
| 1 Placa base | | | |
| 2 Soporte de badeja | Sí | | |
| 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 | | |