

DEFINICIÓN DEL COMPRESOR

| | |
|------------------------------|-----------------|
| Denominación | VEM X5C |
| Voltage / Frecuencia nominal | 230 V 40-150 Hz |
| Código de Ingeniería | 513903017 |

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 | 85 para 140 V | 85 para 140 V |
| 8.2 LBP (43°C Temperatura ambiente) | Estática | 85 para 140 V | 85 para 140 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 | 5.19 | [cm ³] (0.317 cu.in) |
| 2.1 Diametro [mm] | 21.000 | |
| 2.2 Curso [mm] | 15.000 | |
| 3 Carga de aceite | 220 | [ml] (7.44 fl.oz.) |
| 3.1 Aceites aprobados | | |
| 3.2 Tipo/Viscosidad del aceite | ALQUILB / ISO5 | |
| 4 Peso (com carga de aceite) | 7.59 | [kg] (16.73 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 | VCC31156XXXX | |
| 3 Capacitor de Arranque | - | [µF(VAC minimo)] |
| 4 Capacitor de marcha | - | [µF(VAC minimo)] |
| 5 Protección del motor | VCC31156XXXXX | |
| 6 Resistencia del motor - bobina arranque | 16.07 | [Ω en 25°C (77°F)] +/- 8% |
| 7 Resistencia del motor - bobina marcha | 16.07 | [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 | CE - UKCA - UL | |

D - PERFORMANCE - DATOS CHECK POINT

| | | | | | | | | |
|-----------------------------------------------|----------|-----|--------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @115V1200RPM | | | 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] |
| 81 | 20 | 24 | 20 | 0.33 | 0.31 | 4.13 | 1.04 | 1.21 |

| | | | | | | | | |
|-----------------------------------------------|----------|-----|--------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @115V1600RPM | | | 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] |
| 111 | 28 | 33 | 25 | 0.40 | 0.42 | 4.39 | 1.11 | 1.29 |

| | | | | | | | | |
|-----------------------------------------------|----------|-----|--------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @115V2000RPM | | | 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] |
| 144 | 36 | 42 | 31 | 0.48 | 0.55 | 4.60 | 1.16 | 1.35 |

| | | | | | | | | |
|-----------------------------------------------|----------|-----|--------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @115V3000RPM | | | 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] |
| 225 | 57 | 66 | 47 | 0.71 | 0.86 | 4.78 | 1.20 | 1.40 |

| | | | | | | | | |
|-----------------------------------------------|----------|-----|--------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @115V4500RPM | | | 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] |
| 343 | 86 | 101 | 75 | 1.09 | 1.31 | 4.56 | 1.15 | 1.34 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 35°C (+95°F)) | | | | | |
|----------------------------|----------------------------|----------|-----|---------------------|--------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V1200RPM | | 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) | 64 | 16 | 19 | 12 | 0.17 | 0.20 | 5.26 | 1.32 | 1.54 | |
| -30 (-22) | 89 | 22 | 26 | 14 | 0.21 | 0.28 | 6.17 | 1.55 | 1.81 | |
| -25 (-13) | 119 | 30 | 35 | 17 | 0.25 | 0.38 | 7.15 | 1.80 | 2.10 | |
| -20 (- 4) | 155 | 39 | 45 | 19 | 0.28 | 0.50 | 8.26 | 2.08 | 2.42 | |
| -15 (+ 5) | 198 | 50 | 58 | 21 | 0.30 | 0.64 | 9.54 | 2.40 | 2.80 | |
| -10 (+14) | 248 | 62 | 73 | 22 | 0.33 | 0.80 | 11.05 | 2.78 | 3.24 | |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V1200RPM | | 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) | 51 | 13 | 15 | 13 | 0.19 | 0.18 | 4.09 | 1.03 | 1.20 | |
| -30 (-22) | 74 | 19 | 22 | 15 | 0.23 | 0.26 | 4.86 | 1.22 | 1.42 | |
| -25 (-13) | 102 | 26 | 30 | 18 | 0.27 | 0.35 | 5.62 | 1.42 | 1.65 | |
| -20 (- 4) | 135 | 34 | 40 | 21 | 0.31 | 0.47 | 6.43 | 1.62 | 1.88 | |
| -15 (+ 5) | 174 | 44 | 51 | 24 | 0.35 | 0.61 | 7.34 | 1.85 | 2.15 | |
| -10 (+14) | 220 | 55 | 64 | 26 | 0.38 | 0.77 | 8.40 | 2.12 | 2.46 | |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V1200RPM | | 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) | 38 | 10 | 11 | 13 | 0.19 | 0.14 | 2.92 | 0.74 | 0.85 | |
| -30 (-22) | 59 | 15 | 17 | 16 | 0.24 | 0.22 | 3.70 | 0.93 | 1.09 | |
| -25 (-13) | 84 | 21 | 25 | 19 | 0.29 | 0.32 | 4.41 | 1.11 | 1.29 | |
| -20 (- 4) | 114 | 29 | 34 | 23 | 0.33 | 0.44 | 5.09 | 1.28 | 1.49 | |
| -15 (+ 5) | 150 | 38 | 44 | 26 | 0.38 | 0.58 | 5.79 | 1.46 | 1.70 | |
| -10 (+14) | 192 | 48 | 56 | 29 | 0.43 | 0.74 | 6.57 | 1.66 | 1.93 | |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 35°C (+95°F)) | | | | | |
|----------------------------|----------------------------|----------|-----|---------------------|--------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V1600RPM | | 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) | 86 | 22 | 25 | 16 | 0.23 | 0.27 | 5.40 | 1.36 | 1.58 | |
| -30 (-22) | 120 | 30 | 35 | 19 | 0.28 | 0.38 | 6.33 | 1.60 | 1.86 | |
| -25 (-13) | 160 | 40 | 47 | 22 | 0.32 | 0.51 | 7.32 | 1.84 | 2.14 | |
| -20 (- 4) | 209 | 53 | 61 | 25 | 0.37 | 0.67 | 8.42 | 2.12 | 2.47 | |
| -15 (+ 5) | 267 | 67 | 78 | 28 | 0.41 | 0.86 | 9.70 | 2.44 | 2.84 | |
| -10 (+14) | 335 | 84 | 98 | 30 | 0.44 | 1.08 | 11.23 | 2.83 | 3.29 | |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V1600RPM | | 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) | 69 | 17 | 20 | 17 | 0.25 | 0.24 | 4.13 | 1.04 | 1.21 |
| -30 | (-22) | 100 | 25 | 29 | 20 | 0.29 | 0.35 | 4.96 | 1.25 | 1.45 |
| -25 | (-13) | 138 | 35 | 40 | 24 | 0.35 | 0.48 | 5.76 | 1.45 | 1.69 |
| -20 | (- 4) | 182 | 46 | 53 | 28 | 0.40 | 0.64 | 6.59 | 1.66 | 1.93 |
| -15 | (+ 5) | 235 | 59 | 69 | 31 | 0.46 | 0.82 | 7.52 | 1.89 | 2.20 |
| -10 | (+14) | 298 | 75 | 87 | 35 | 0.51 | 1.04 | 8.60 | 2.17 | 2.52 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V1600RPM | | 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) | 51 | 13 | 15 | 17 | 0.25 | 0.19 | 2.93 | 0.74 | 0.86 |
| -30 | (-22) | 80 | 20 | 23 | 21 | 0.30 | 0.30 | 3.79 | 0.96 | 1.11 |
| -25 | (-13) | 114 | 29 | 33 | 25 | 0.36 | 0.43 | 4.55 | 1.15 | 1.33 |
| -20 | (- 4) | 155 | 39 | 45 | 30 | 0.43 | 0.59 | 5.24 | 1.32 | 1.54 |
| -15 | (+ 5) | 203 | 51 | 59 | 34 | 0.50 | 0.78 | 5.95 | 1.50 | 1.74 |
| -10 | (+14) | 260 | 65 | 76 | 39 | 0.57 | 1.00 | 6.72 | 1.69 | 1.97 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 35°C (+95°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|--------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V2000RPM | | 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 | 20 | 0.29 | 0.36 | 5.70 | 1.44 | 1.67 |
| -30 | (-22) | 154 | 39 | 45 | 23 | 0.35 | 0.49 | 6.56 | 1.65 | 1.92 |
| -25 | (-13) | 204 | 51 | 60 | 27 | 0.40 | 0.66 | 7.48 | 1.89 | 2.19 |
| -20 | (- 4) | 264 | 67 | 77 | 31 | 0.45 | 0.85 | 8.52 | 2.15 | 2.50 |
| -15 | (+ 5) | 335 | 85 | 98 | 35 | 0.50 | 1.08 | 9.74 | 2.46 | 2.85 |
| -10 | (+14) | 419 | 106 | 123 | 38 | 0.54 | 1.35 | 11.20 | 2.82 | 3.28 |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @115V2000RPM | | 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 | 0.31 | 0.32 | 4.46 | 1.12 | 1.31 |
| -30 | (-22) | 131 | 33 | 38 | 25 | 0.37 | 0.45 | 5.23 | 1.32 | 1.53 |
| -25 | (-13) | 177 | 45 | 52 | 29 | 0.44 | 0.62 | 5.97 | 1.50 | 1.75 |
| -20 | (- 4) | 232 | 58 | 68 | 34 | 0.50 | 0.81 | 6.75 | 1.70 | 1.98 |
| -15 | (+ 5) | 297 | 75 | 87 | 39 | 0.57 | 1.04 | 7.62 | 1.92 | 2.23 |
| -10 | (+14) | 375 | 94 | 110 | 43 | 0.63 | 1.31 | 8.64 | 2.18 | 2.53 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V2000RPM | | 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) | 71 | 18 | 21 | 22 | 0.33 | 0.27 | 3.23 | 0.82 | 0.95 | |
| -30 (-22) | 106 | 27 | 31 | 26 | 0.39 | 0.40 | 4.06 | 1.02 | 1.19 | |
| -25 (-13) | 148 | 37 | 43 | 31 | 0.46 | 0.57 | 4.77 | 1.20 | 1.40 | |
| -20 (- 4) | 198 | 50 | 58 | 37 | 0.53 | 0.76 | 5.43 | 1.37 | 1.59 | |
| -15 (+ 5) | 258 | 65 | 76 | 42 | 0.61 | 0.99 | 6.11 | 1.54 | 1.79 | |
| -10 (+14) | 328 | 83 | 96 | 48 | 0.69 | 1.26 | 6.84 | 1.72 | 2.00 | |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 35°C (+95°F)) | | | | | |
|----------------------------|----------------------------|----------|-----|---------------------|--------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V3000RPM | | 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) | 172 | 43 | 50 | 30 | 0.44 | 0.55 | 5.66 | 1.43 | 1.66 | |
| -30 (-22) | 233 | 59 | 68 | 36 | 0.53 | 0.75 | 6.45 | 1.62 | 1.89 | |
| -25 (-13) | 307 | 77 | 90 | 42 | 0.61 | 0.99 | 7.33 | 1.85 | 2.15 | |
| -20 (- 4) | 396 | 100 | 116 | 47 | 0.69 | 1.27 | 8.35 | 2.10 | 2.45 | |
| -15 (+ 5) | 501 | 126 | 147 | 53 | 0.77 | 1.61 | 9.56 | 2.41 | 2.80 | |
| -10 (+14) | 624 | 157 | 183 | 57 | 0.83 | 2.01 | 11.01 | 2.77 | 3.23 | |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V3000RPM | | 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) | 143 | 36 | 42 | 32 | 0.46 | 0.50 | 4.52 | 1.14 | 1.32 | |
| -30 (-22) | 200 | 50 | 59 | 39 | 0.56 | 0.69 | 5.18 | 1.30 | 1.52 | |
| -25 (-13) | 268 | 68 | 79 | 46 | 0.67 | 0.93 | 5.85 | 1.48 | 1.72 | |
| -20 (- 4) | 349 | 88 | 102 | 53 | 0.77 | 1.22 | 6.60 | 1.66 | 1.93 | |
| -15 (+ 5) | 446 | 112 | 131 | 60 | 0.87 | 1.56 | 7.46 | 1.88 | 2.18 | |
| -10 (+14) | 559 | 141 | 164 | 66 | 0.96 | 1.96 | 8.47 | 2.13 | 2.48 | |

| CONDICIONES DE PRUEBA: | | CECOMAF | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @115V3000RPM | | 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) | 114 | 29 | 34 | 33 | 0.48 | 0.43 | 3.49 | 0.88 | 1.02 | |
| -30 (-22) | 166 | 42 | 49 | 40 | 0.59 | 0.63 | 4.15 | 1.04 | 1.21 | |
| -25 (-13) | 228 | 58 | 67 | 48 | 0.71 | 0.87 | 4.75 | 1.20 | 1.39 | |
| -20 (- 4) | 302 | 76 | 89 | 57 | 0.83 | 1.16 | 5.34 | 1.35 | 1.57 | |
| -15 (+ 5) | 390 | 98 | 114 | 65 | 0.96 | 1.50 | 5.98 | 1.51 | 1.75 | |
| -10 (+14) | 494 | 124 | 145 | 74 | 1.08 | 1.90 | 6.69 | 1.69 | 1.96 | |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: @115V4500RPM | | 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) | 257 | 65 | 75 | 48 | 0.69 | 0.82 | 5.37 | 1.35 | 1.57 |
| -30 | (-22) | 343 | 86 | 101 | 57 | 0.82 | 1.10 | 6.06 | 1.53 | 1.77 |
| -25 | (-13) | 447 | 113 | 131 | 66 | 0.95 | 1.43 | 6.80 | 1.71 | 1.99 |
| -20 | (- 4) | 571 | 144 | 167 | 75 | 1.09 | 1.83 | 7.67 | 1.93 | 2.25 |
| -15 | (+ 5) | 718 | 181 | 210 | 83 | 1.21 | 2.31 | 8.69 | 2.19 | 2.55 |
| -10 | (+14) | 890 | 224 | 261 | 90 | 1.32 | 2.87 | 9.93 | 2.50 | 2.91 |

| CONDICIONES DE PRUEBA: @115V4500RPM | | 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) | 220 | 55 | 64 | 51 | 0.75 | 0.76 | 4.33 | 1.09 | 1.27 |
| -30 | (-22) | 300 | 75 | 88 | 61 | 0.88 | 1.04 | 4.92 | 1.24 | 1.44 |
| -25 | (-13) | 395 | 100 | 116 | 71 | 1.04 | 1.37 | 5.52 | 1.39 | 1.62 |
| -20 | (- 4) | 509 | 128 | 149 | 82 | 1.20 | 1.77 | 6.15 | 1.55 | 1.80 |
| -15 | (+ 5) | 644 | 162 | 189 | 93 | 1.36 | 2.25 | 6.88 | 1.73 | 2.01 |
| -10 | (+14) | 803 | 202 | 235 | 104 | 1.51 | 2.81 | 7.73 | 1.95 | 2.27 |

| CONDICIONES DE PRUEBA: @115V4500RPM | | 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) | 183 | 46 | 54 | 55 | 0.80 | 0.70 | 3.32 | 0.84 | 0.97 |
| -30 | (-22) | 256 | 64 | 75 | 65 | 0.94 | 0.97 | 3.96 | 1.00 | 1.16 |
| -25 | (-13) | 342 | 86 | 100 | 76 | 1.11 | 1.30 | 4.51 | 1.14 | 1.32 |
| -20 | (- 4) | 446 | 112 | 131 | 89 | 1.29 | 1.70 | 5.04 | 1.27 | 1.48 |
| -15 | (+ 5) | 569 | 143 | 167 | 102 | 1.49 | 2.18 | 5.58 | 1.41 | 1.64 |
| -10 | (+14) | 714 | 180 | 209 | 115 | 1.68 | 2.74 | 6.19 | 1.56 | 1.81 |

F - CARACTERÍSTICAS EXTERNAS

| | | | |
|--------------------------------------|------------------|------|--------------------------|
| 1 Placa base | Universal EUEM | | |
| 2 Soporte de badeja | No | | |
| 3 Tubos | | | |
| 3.1 SUCCIÓN | 8.2 +0.12/-0.08 | [mm] | (0.323" +0.005"/-0.003") |
| 3.1.1 Material | Cobre | | |
| 3.1.2 Forma | Recto | | |
| 3.2 DESCARGA | 4.94 +0.08/-0.08 | [mm] | (0.194" +0.003"/-0.003") |
| 3.2.1 Material | Cobre | | |
| 3.2.2 Forma | Recto | | |
| 3.3 PROCESO | 6.5 +0.12/-0.08 | [mm] | (0.256" +0.005"/-0.003") |
| 3.3.1 Material | Cobre | | |
| 3.3.2 Forma | Recto | | |
| 3.4 Tubo enfriador de aceite (Cobre) | No | [mm] | |
| 3.5 Sellado del tudo | Tampa de Gomma | | |