

DEFINICIÓN DEL COMPRESOR

| | |
|------------------------------|------------------------|
| Denominación | VES D7C |
| Voltage / Frecuencia nominal | 230 V 40-150 Hz |
| Código de Ingeniería | 513907054 |

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 | 190 | [ml] (6.42 fl.oz) |
| 3.1 Aceites aprobados | | |
| 3.2 Tipo/Viscosidad del aceite | ALQUILB / ISO5 | |
| 4 Peso (com carga de aceite) | 6.81 | [kg] (15.01 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 | 9.60 | [Ω en 25°C (77°F)] +/- 8% |
| 7 Resistencia del motor - bobina marcha | 9.60 | [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 | | | ASHRAELBP32 Estática | | Temperatura de evaporación (Temp. de condensación) | -23.3°C (-9.94°F) 54.4°C (129.92°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] |
| 166 | 42 | 49 | 27 | 0.21 | 0.52 | 6.22 | 1.57 | 1.82 |

| | | | | | | | | |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA: @220V1600RPM | | | ASHRAELBP32 Estática | | Temperatura de evaporación (Temp. de condensación) | -23.3°C (-9.94°F) 54.4°C (129.92°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] |
| 214 | 54 | 63 | 33 | 0.25 | 0.67 | 6.56 | 1.65 | 1.92 |

| | | | | | | | | |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA: @220V2000RPM | | | ASHRAELBP32 Estática | | Temperatura de evaporación (Temp. de condensación) | -23.3°C (-9.94°F) 54.4°C (129.92°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] |
| 270 | 68 | 79 | 41 | 0.30 | 0.85 | 6.63 | 1.67 | 1.94 |

| | | | | | | | | |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA: @220V3000RPM | | | ASHRAELBP32 Estática | | Temperatura de evaporación (Temp. de condensación) | -23.3°C (-9.94°F) 54.4°C (129.92°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] |
| 409 | 103 | 120 | 63 | 0.47 | 1.28 | 6.47 | 1.63 | 1.90 |

| | | | | | | | | |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA: @220V4500RPM | | | ASHRAELBP32 Estática | | Temperatura de evaporación (Temp. de condensación) | -23.3°C (-9.94°F) 54.4°C (129.92°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] |
| 628 | 158 | 184 | 99 | 0.70 | 1.97 | 6.36 | 1.60 | 1.86 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 106 | 27 | 31 | 17 | 0.12 | 0.33 | 6.22 | 1.57 | 1.82 | |
| -30 (-22) | 142 | 36 | 42 | 20 | 0.15 | 0.45 | 7.13 | 1.80 | 2.09 | |
| -25 (-13) | 186 | 47 | 55 | 23 | 0.18 | 0.58 | 8.10 | 2.04 | 2.37 | |
| -20 (- 4) | 240 | 61 | 70 | 26 | 0.20 | 0.75 | 9.23 | 2.32 | 2.70 | |
| -15 (+ 5) | 306 | 77 | 90 | 29 | 0.22 | 0.96 | 10.58 | 2.67 | 3.10 | |
| -10 (+14) | 386 | 97 | 113 | 32 | 0.24 | 1.22 | 12.25 | 3.09 | 3.59 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 90 | 23 | 27 | 17 | 0.14 | 0.28 | 5.19 | 1.31 | 1.52 | |
| -30 (-22) | 126 | 32 | 37 | 21 | 0.16 | 0.39 | 6.08 | 1.53 | 1.78 | |
| -25 (-13) | 169 | 43 | 50 | 24 | 0.19 | 0.53 | 6.95 | 1.75 | 2.04 | |
| -20 (- 4) | 222 | 56 | 65 | 28 | 0.22 | 0.70 | 7.88 | 1.98 | 2.31 | |
| -15 (+ 5) | 286 | 72 | 84 | 32 | 0.24 | 0.90 | 8.95 | 2.25 | 2.62 | |
| -10 (+14) | 364 | 92 | 107 | 35 | 0.27 | 1.15 | 10.24 | 2.58 | 3.00 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 66 | 17 | 19 | 17 | 0.14 | 0.21 | 3.93 | 0.99 | 1.15 | |
| -30 (-22) | 103 | 26 | 30 | 21 | 0.17 | 0.32 | 4.95 | 1.25 | 1.45 | |
| -25 (-13) | 148 | 37 | 43 | 25 | 0.20 | 0.46 | 5.86 | 1.48 | 1.72 | |
| -20 (- 4) | 201 | 51 | 59 | 30 | 0.23 | 0.63 | 6.74 | 1.70 | 1.97 | |
| -15 (+ 5) | 265 | 67 | 78 | 34 | 0.26 | 0.83 | 7.67 | 1.93 | 2.25 | |
| -10 (+14) | 342 | 86 | 100 | 39 | 0.29 | 1.08 | 8.74 | 2.20 | 2.56 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 127 | 32 | 37 | 21 | 0.16 | 0.40 | 5.97 | 1.51 | 1.75 | |
| -30 (-22) | 175 | 44 | 51 | 25 | 0.19 | 0.55 | 7.03 | 1.77 | 2.06 | |
| -25 (-13) | 232 | 58 | 68 | 29 | 0.21 | 0.73 | 8.12 | 2.05 | 2.38 | |
| -20 (- 4) | 300 | 76 | 88 | 32 | 0.24 | 0.94 | 9.32 | 2.35 | 2.73 | |
| -15 (+ 5) | 382 | 96 | 112 | 36 | 0.26 | 1.20 | 10.71 | 2.70 | 3.14 | |
| -10 (+14) | 480 | 121 | 141 | 39 | 0.29 | 1.51 | 12.37 | 3.12 | 3.62 | |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 110 | 28 | 32 | 21 | 0.17 | 0.35 | 5.20 | 1.31 | 1.52 |
| -30 | (-22) | 159 | 40 | 46 | 26 | 0.20 | 0.50 | 6.19 | 1.56 | 1.81 |
| -25 | (-13) | 215 | 54 | 63 | 30 | 0.23 | 0.67 | 7.13 | 1.80 | 2.09 |
| -20 | (- 4) | 281 | 71 | 82 | 35 | 0.26 | 0.88 | 8.10 | 2.04 | 2.37 |
| -15 | (+ 5) | 360 | 91 | 105 | 39 | 0.30 | 1.13 | 9.16 | 2.31 | 2.68 |
| -10 | (+14) | 454 | 114 | 133 | 43 | 0.33 | 1.43 | 10.41 | 2.62 | 3.05 |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 86 | 22 | 25 | 20 | 0.15 | 0.27 | 4.23 | 1.07 | 1.24 |
| -30 | (-22) | 135 | 34 | 40 | 25 | 0.19 | 0.42 | 5.30 | 1.33 | 1.55 |
| -25 | (-13) | 191 | 48 | 56 | 31 | 0.24 | 0.60 | 6.22 | 1.57 | 1.82 |
| -20 | (- 4) | 257 | 65 | 75 | 36 | 0.28 | 0.81 | 7.07 | 1.78 | 2.07 |
| -15 | (+ 5) | 334 | 84 | 98 | 42 | 0.32 | 1.05 | 7.95 | 2.00 | 2.33 |
| -10 | (+14) | 425 | 107 | 125 | 48 | 0.36 | 1.34 | 8.92 | 2.25 | 2.61 |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 158 | 40 | 46 | 27 | 0.20 | 0.49 | 5.95 | 1.50 | 1.74 |
| -30 | (-22) | 216 | 54 | 63 | 31 | 0.23 | 0.68 | 6.96 | 1.75 | 2.04 |
| -25 | (-13) | 288 | 73 | 84 | 36 | 0.26 | 0.90 | 8.05 | 2.03 | 2.36 |
| -20 | (- 4) | 375 | 95 | 110 | 41 | 0.30 | 1.18 | 9.27 | 2.34 | 2.72 |
| -15 | (+ 5) | 479 | 121 | 140 | 45 | 0.33 | 1.51 | 10.66 | 2.69 | 3.12 |
| -10 | (+14) | 600 | 151 | 176 | 49 | 0.36 | 1.89 | 12.27 | 3.09 | 3.60 |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 137 | 35 | 40 | 27 | 0.21 | 0.43 | 5.17 | 1.30 | 1.52 |
| -30 | (-22) | 195 | 49 | 57 | 32 | 0.24 | 0.61 | 6.11 | 1.54 | 1.79 |
| -25 | (-13) | 266 | 67 | 78 | 38 | 0.28 | 0.83 | 7.06 | 1.78 | 2.07 |
| -20 | (- 4) | 353 | 89 | 103 | 44 | 0.32 | 1.11 | 8.08 | 2.03 | 2.37 |
| -15 | (+ 5) | 456 | 115 | 134 | 49 | 0.36 | 1.44 | 9.20 | 2.32 | 2.69 |
| -10 | (+14) | 577 | 145 | 169 | 55 | 0.40 | 1.82 | 10.46 | 2.64 | 3.07 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 116 | 29 | 34 | 26 | 0.21 | 0.36 | 4.44 | 1.12 | 1.30 | |
| -30 (-22) | 171 | 43 | 50 | 32 | 0.24 | 0.54 | 5.39 | 1.36 | 1.58 | |
| -25 (-13) | 241 | 61 | 71 | 38 | 0.28 | 0.76 | 6.29 | 1.58 | 1.84 | |
| -20 (- 4) | 326 | 82 | 95 | 45 | 0.33 | 1.02 | 7.18 | 1.81 | 2.10 | |
| -15 (+ 5) | 427 | 108 | 125 | 53 | 0.39 | 1.35 | 8.12 | 2.05 | 2.38 | |
| -10 (+14) | 547 | 138 | 160 | 60 | 0.44 | 1.72 | 9.13 | 2.30 | 2.68 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 233 | 59 | 68 | 41 | 0.31 | 0.73 | 5.72 | 1.44 | 1.67 | |
| -30 (-22) | 326 | 82 | 95 | 49 | 0.35 | 1.02 | 6.68 | 1.68 | 1.96 | |
| -25 (-13) | 439 | 111 | 129 | 57 | 0.41 | 1.38 | 7.73 | 1.95 | 2.26 | |
| -20 (- 4) | 574 | 145 | 168 | 65 | 0.47 | 1.80 | 8.88 | 2.24 | 2.60 | |
| -15 (+ 5) | 735 | 185 | 215 | 73 | 0.52 | 2.31 | 10.16 | 2.56 | 2.98 | |
| -10 (+14) | 921 | 232 | 270 | 80 | 0.58 | 2.91 | 11.59 | 2.92 | 3.40 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 211 | 53 | 62 | 41 | 0.32 | 0.66 | 5.13 | 1.29 | 1.50 | |
| -30 (-22) | 297 | 75 | 87 | 50 | 0.37 | 0.93 | 5.97 | 1.50 | 1.75 | |
| -25 (-13) | 404 | 102 | 118 | 59 | 0.43 | 1.27 | 6.87 | 1.73 | 2.01 | |
| -20 (- 4) | 536 | 135 | 157 | 68 | 0.50 | 1.69 | 7.85 | 1.98 | 2.30 | |
| -15 (+ 5) | 695 | 175 | 204 | 78 | 0.57 | 2.19 | 8.93 | 2.25 | 2.62 | |
| -10 (+14) | 882 | 222 | 259 | 87 | 0.63 | 2.78 | 10.13 | 2.55 | 2.97 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 193 | 49 | 56 | 42 | 0.31 | 0.60 | 4.62 | 1.16 | 1.35 | |
| -30 (-22) | 268 | 67 | 78 | 50 | 0.37 | 0.84 | 5.36 | 1.35 | 1.57 | |
| -25 (-13) | 367 | 92 | 108 | 60 | 0.44 | 1.15 | 6.15 | 1.55 | 1.80 | |
| -20 (- 4) | 493 | 124 | 144 | 71 | 0.52 | 1.55 | 6.99 | 1.76 | 2.05 | |
| -15 (+ 5) | 647 | 163 | 190 | 82 | 0.60 | 2.04 | 7.90 | 1.99 | 2.32 | |
| -10 (+14) | 832 | 210 | 244 | 93 | 0.68 | 2.63 | 8.92 | 2.25 | 2.61 | |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 35°C (+95°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|--------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V4500RPM | | 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) | 372 | 94 | 109 | 67 | 0.49 | 1.16 | 5.51 | 1.39 | 1.61 |
| -30 | (-22) | 497 | 125 | 146 | 78 | 0.56 | 1.56 | 6.38 | 1.61 | 1.87 |
| -25 | (-13) | 634 | 160 | 186 | 88 | 0.62 | 1.99 | 7.27 | 1.83 | 2.13 |
| -20 | (- 4) | 797 | 201 | 234 | 97 | 0.68 | 2.50 | 8.24 | 2.08 | 2.41 |
| -15 | (+ 5) | 1001 | 252 | 293 | 107 | 0.74 | 3.15 | 9.33 | 2.35 | 2.73 |
| -10 | (+14) | 1260 | 318 | 369 | 118 | 0.81 | 3.97 | 10.60 | 2.67 | 3.10 |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V4500RPM | | 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) | 331 | 83 | 97 | 66 | 0.49 | 1.04 | 4.98 | 1.26 | 1.46 |
| -30 | (-22) | 469 | 118 | 137 | 80 | 0.58 | 1.47 | 5.82 | 1.47 | 1.71 |
| -25 | (-13) | 615 | 155 | 180 | 93 | 0.66 | 1.93 | 6.64 | 1.67 | 1.95 |
| -20 | (- 4) | 784 | 198 | 230 | 105 | 0.73 | 2.46 | 7.48 | 1.88 | 2.19 |
| -15 | (+ 5) | 989 | 249 | 290 | 118 | 0.80 | 3.11 | 8.40 | 2.12 | 2.46 |
| -10 | (+14) | 1246 | 314 | 365 | 131 | 0.87 | 3.93 | 9.47 | 2.39 | 2.77 |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|-----|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @220V4500RPM | | 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) | 274 | 69 | 80 | 62 | 0.46 | 0.86 | 4.45 | 1.12 | 1.30 |
| -30 | (-22) | 420 | 106 | 123 | 78 | 0.58 | 1.32 | 5.29 | 1.33 | 1.55 |
| -25 | (-13) | 570 | 144 | 167 | 94 | 0.68 | 1.79 | 6.07 | 1.53 | 1.78 |
| -20 | (- 4) | 739 | 186 | 216 | 108 | 0.76 | 2.32 | 6.82 | 1.72 | 2.00 |
| -15 | (+ 5) | 940 | 237 | 276 | 124 | 0.85 | 2.96 | 7.62 | 1.92 | 2.23 |
| -10 | (+14) | 1189 | 300 | 348 | 140 | 0.93 | 3.75 | 8.51 | 2.15 | 2.49 |

F - CARACTERÍSTICAS EXTERNAS

| | | | |
|--------------------------------------|----------------|------|-----------|
| 1 Placa base | | | |
| 2 Soporte de bodega | 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 | | |