

DEFINICIÓN DEL COMPRESOR

| | |
|------------------------------|------------------------|
| Denominación | VES H7C |
| Voltage / Frecuencia nominal | 230 V 32-150 Hz |
| Código de Ingeniería | 513907387 |

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 | - | - |
| 8.2 LBP (43°C Temperatura ambiente) | - | - | - |
| 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) | 6.5 | [kg] (14.33 lb.) |
| 5 Carga de nitrógeno | 0.2 para 0.3 | [kgf/cm ²] (2.84 para 4.27 psig) |

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 | CF02D03 M 0.0 X | |
| 3 Capacitor de Arranque | - | [µF(VAC minimo)] |
| 4 Capacitor de marcha | - | [µF(VAC minimo)] |
| 5 Protección del motor | CF02D03 | |
| 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

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|--|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA: @220V950RPM | | | 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] |
| 130 | 33 | 38 | 19 | 0.18 | 0.41 | 6.74 | 1.70 | 1.97 |

| | | | | | | | | |
|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| 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] |
| 181 | 46 | 53 | 25 | 0.23 | 0.57 | 7.13 | 1.80 | 2.09 |

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|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| 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] |
| 225 | 57 | 66 | 32 | 0.27 | 0.71 | 7.12 | 1.79 | 2.09 |

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|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| 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] |
| 283 | 71 | 83 | 39 | 0.31 | 0.89 | 7.22 | 1.82 | 2.12 |

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|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| 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] |
| 422 | 106 | 124 | 60 | 0.48 | 1.33 | 7.01 | 1.77 | 2.05 |

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|---|----------|-----|---------------------------------------|--------------------------------|---|--|-----------|-------|
| CONDICIONES DE PRUEBA: @220V4000RPM | | | 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] |
| 559 | 141 | 164 | 83 | 0.69 | 1.76 | 6.74 | 1.70 | 1.97 |

D - PERFORMANCE - DATOS CHECK POINT

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|---|----------|-----|---------------------------------------|--------------------------------|--|-------------------------------|
| CONDICIONES DE PRUEBA: @220V4500RPM | | | ASHRAELBP32 Estática | | Temperatura de evaporación -23.3°C (-9.94°F) (Temp. de condensación 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] |
| 587 | 148 | 172 | 87 | 0.68 | 1.84 | 6.75 1.70 1.98 |

E - PERFORMANCE - CURVAS

| | | | | | | | | | | |
|--|-------|--------------------------------------|------------------------------------|-----|--|--------------------------------|-------------------------|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @220V950RPM | | | ASHRAE32 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) | 75 | 19 | 22 | 12 | 0.11 | 0.24 | 6.36 | 1.60 | 1.86 |
| -30 | (-22) | 102 | 26 | 30 | 14 | 0.13 | 0.32 | 7.40 | 1.87 | 2.17 |
| -25 | (-13) | 138 | 35 | 40 | 16 | 0.14 | 0.43 | 8.65 | 2.18 | 2.53 |
| -20 | (- 4) | 181 | 46 | 53 | 18 | 0.15 | 0.57 | 10.10 | 2.54 | 2.96 |
| -15 | (+ 5) | 232 | 58 | 68 | 20 | 0.16 | 0.73 | 11.75 | 2.96 | 3.44 |
| -10 | (+14) | 291 | 73 | 85 | 21 | 0.18 | 0.92 | 13.63 | 3.43 | 3.99 |
| -5 | (+23) | 358 | 90 | 105 | 23 | 0.20 | 1.13 | 15.73 | 3.96 | 4.61 |
| 0 | (+32) | 433 | 109 | 127 | 23 | 0.23 | 1.37 | 18.06 | 4.55 | 5.29 |

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|--|-------|--------------------------------------|------------------------------------|-----|---|--------------------------------|-------------------------|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @220V950RPM | | | ASHRAE32 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) | 70 | 18 | 21 | 12 | 0.11 | 0.22 | 5.68 | 1.43 | 1.66 |
| -30 | (-22) | 95 | 24 | 28 | 15 | 0.14 | 0.30 | 6.53 | 1.65 | 1.91 |
| -25 | (-13) | 129 | 33 | 38 | 17 | 0.16 | 0.41 | 7.52 | 1.90 | 2.20 |
| -20 | (- 4) | 171 | 43 | 50 | 20 | 0.17 | 0.54 | 8.65 | 2.18 | 2.54 |
| -15 | (+ 5) | 222 | 56 | 65 | 22 | 0.19 | 0.70 | 9.94 | 2.50 | 2.91 |
| -10 | (+14) | 281 | 71 | 82 | 25 | 0.21 | 0.89 | 11.38 | 2.87 | 3.33 |
| -5 | (+23) | 348 | 88 | 102 | 27 | 0.23 | 1.10 | 12.99 | 3.27 | 3.81 |
| 0 | (+32) | 424 | 107 | 124 | 29 | 0.26 | 1.34 | 14.76 | 3.72 | 4.33 |

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|--|-------|--------------------------------------|------------------------------------|-----|---|--------------------------------|-------------------------|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @220V950RPM | | | ASHRAE32 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) | 62 | 16 | 18 | 13 | 0.12 | 0.19 | 4.75 | 1.20 | 1.39 |
| -30 | (-22) | 83 | 21 | 24 | 15 | 0.15 | 0.26 | 5.48 | 1.38 | 1.61 |
| -25 | (-13) | 114 | 29 | 33 | 18 | 0.17 | 0.36 | 6.29 | 1.59 | 1.84 |
| -20 | (- 4) | 153 | 39 | 45 | 21 | 0.19 | 0.48 | 7.19 | 1.81 | 2.11 |
| -15 | (+ 5) | 201 | 51 | 59 | 25 | 0.21 | 0.63 | 8.17 | 2.06 | 2.40 |
| -10 | (+14) | 258 | 65 | 76 | 28 | 0.23 | 0.81 | 9.26 | 2.33 | 2.71 |
| -5 | (+23) | 324 | 82 | 95 | 31 | 0.25 | 1.03 | 10.45 | 2.63 | 3.06 |
| 0 | (+32) | 399 | 101 | 117 | 34 | 0.28 | 1.27 | 11.75 | 2.96 | 3.44 |

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 | 16 | 0.15 | 0.33 | 6.56 | 1.65 | 1.92 | |
| -30 (-22) | 145 | 37 | 42 | 19 | 0.16 | 0.45 | 7.67 | 1.93 | 2.25 | |
| -25 (-13) | 192 | 48 | 56 | 22 | 0.18 | 0.60 | 8.85 | 2.23 | 2.59 | |
| -20 (- 4) | 249 | 63 | 73 | 25 | 0.20 | 0.78 | 10.17 | 2.56 | 2.98 | |
| -15 (+ 5) | 317 | 80 | 93 | 27 | 0.22 | 1.00 | 11.71 | 2.95 | 3.43 | |
| -10 (+14) | 397 | 100 | 116 | 30 | 0.25 | 1.25 | 13.52 | 3.41 | 3.96 | |
| -5 (+23) | 490 | 123 | 144 | 31 | 0.28 | 1.55 | 15.67 | 3.95 | 4.59 | |
| 0 (+32) | 597 | 150 | 175 | 32 | 0.32 | 1.89 | 18.23 | 4.59 | 5.34 | |

| 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) | 100 | 25 | 29 | 17 | 0.16 | 0.31 | 5.91 | 1.49 | 1.73 | |
| -30 (-22) | 136 | 34 | 40 | 20 | 0.18 | 0.43 | 6.87 | 1.73 | 2.01 | |
| -25 (-13) | 182 | 46 | 53 | 23 | 0.20 | 0.57 | 7.84 | 1.97 | 2.30 | |
| -20 (- 4) | 238 | 60 | 70 | 27 | 0.22 | 0.75 | 8.86 | 2.23 | 2.60 | |
| -15 (+ 5) | 305 | 77 | 89 | 30 | 0.25 | 0.96 | 10.03 | 2.53 | 2.94 | |
| -10 (+14) | 384 | 97 | 113 | 34 | 0.28 | 1.21 | 11.39 | 2.87 | 3.34 | |
| -5 (+23) | 477 | 120 | 140 | 37 | 0.31 | 1.51 | 13.01 | 3.28 | 3.81 | |
| 0 (+32) | 584 | 147 | 171 | 39 | 0.35 | 1.85 | 14.97 | 3.77 | 4.39 | |

| 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) | 89 | 22 | 26 | 17 | 0.16 | 0.28 | 5.08 | 1.28 | 1.49 | |
| -30 (-22) | 121 | 31 | 36 | 21 | 0.18 | 0.38 | 5.96 | 1.50 | 1.75 | |
| -25 (-13) | 163 | 41 | 48 | 24 | 0.21 | 0.51 | 6.77 | 1.71 | 1.98 | |
| -20 (- 4) | 215 | 54 | 63 | 29 | 0.24 | 0.68 | 7.56 | 1.91 | 2.22 | |
| -15 (+ 5) | 279 | 70 | 82 | 33 | 0.27 | 0.88 | 8.42 | 2.12 | 2.47 | |
| -10 (+14) | 355 | 89 | 104 | 38 | 0.30 | 1.12 | 9.39 | 2.37 | 2.75 | |
| -5 (+23) | 445 | 112 | 130 | 42 | 0.34 | 1.41 | 10.56 | 2.66 | 3.09 | |
| 0 (+32) | 550 | 139 | 161 | 46 | 0.38 | 1.74 | 11.98 | 3.02 | 3.51 | |

E - PERFORMANCE - CURVAS

| 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) | 133 | 33 | 39 | 20 | 0.18 | 0.42 | 6.63 | 1.67 | 1.94 | |
| -30 (-22) | 180 | 45 | 53 | 23 | 0.21 | 0.56 | 7.70 | 1.94 | 2.26 | |
| -25 (-13) | 237 | 60 | 70 | 27 | 0.23 | 0.74 | 8.85 | 2.23 | 2.59 | |
| -20 (- 4) | 307 | 77 | 90 | 30 | 0.26 | 0.96 | 10.14 | 2.56 | 2.97 | |
| -15 (+ 5) | 390 | 98 | 114 | 34 | 0.28 | 1.23 | 11.66 | 2.94 | 3.42 | |
| -10 (+14) | 488 | 123 | 143 | 36 | 0.31 | 1.54 | 13.47 | 3.39 | 3.95 | |
| -5 (+23) | 604 | 152 | 177 | 39 | 0.35 | 1.91 | 15.65 | 3.94 | 4.59 | |
| 0 (+32) | 739 | 186 | 216 | 40 | 0.40 | 2.34 | 18.29 | 4.61 | 5.36 | |

| 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) | 124 | 31 | 36 | 21 | 0.19 | 0.39 | 5.97 | 1.51 | 1.75 | |
| -30 (-22) | 170 | 43 | 50 | 24 | 0.22 | 0.53 | 6.93 | 1.75 | 2.03 | |
| -25 (-13) | 226 | 57 | 66 | 29 | 0.25 | 0.71 | 7.88 | 1.98 | 2.31 | |
| -20 (- 4) | 294 | 74 | 86 | 33 | 0.28 | 0.92 | 8.88 | 2.24 | 2.60 | |
| -15 (+ 5) | 376 | 95 | 110 | 37 | 0.31 | 1.18 | 10.03 | 2.53 | 2.94 | |
| -10 (+14) | 473 | 119 | 139 | 42 | 0.35 | 1.49 | 11.39 | 2.87 | 3.34 | |
| -5 (+23) | 588 | 148 | 172 | 45 | 0.39 | 1.86 | 13.03 | 3.28 | 3.82 | |
| 0 (+32) | 722 | 182 | 212 | 48 | 0.45 | 2.29 | 15.05 | 3.79 | 4.41 | |

| 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) | 112 | 28 | 33 | 21 | 0.19 | 0.35 | 5.21 | 1.31 | 1.53 | |
| -30 (-22) | 153 | 39 | 45 | 25 | 0.22 | 0.48 | 6.11 | 1.54 | 1.79 | |
| -25 (-13) | 205 | 52 | 60 | 30 | 0.25 | 0.64 | 6.90 | 1.74 | 2.02 | |
| -20 (- 4) | 268 | 68 | 79 | 35 | 0.28 | 0.84 | 7.68 | 1.93 | 2.25 | |
| -15 (+ 5) | 345 | 87 | 101 | 41 | 0.32 | 1.09 | 8.50 | 2.14 | 2.49 | |
| -10 (+14) | 438 | 110 | 128 | 46 | 0.37 | 1.38 | 9.46 | 2.38 | 2.77 | |
| -5 (+23) | 549 | 138 | 161 | 52 | 0.43 | 1.74 | 10.62 | 2.68 | 3.11 | |
| 0 (+32) | 678 | 171 | 199 | 57 | 0.50 | 2.15 | 12.06 | 3.04 | 3.53 | |

E - PERFORMANCE - CURVAS

| 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) | 168 | 42 | 49 | 25 | 0.22 | 0.52 | 6.61 | 1.67 | 1.94 | |
| -30 (-22) | 225 | 57 | 66 | 29 | 0.26 | 0.71 | 7.63 | 1.92 | 2.24 | |
| -25 (-13) | 296 | 75 | 87 | 34 | 0.29 | 0.93 | 8.75 | 2.20 | 2.56 | |
| -20 (- 4) | 382 | 96 | 112 | 38 | 0.31 | 1.20 | 10.03 | 2.53 | 2.94 | |
| -15 (+ 5) | 486 | 122 | 142 | 42 | 0.34 | 1.53 | 11.55 | 2.91 | 3.38 | |
| -10 (+14) | 609 | 154 | 179 | 46 | 0.37 | 1.92 | 13.36 | 3.37 | 3.92 | |
| -5 (+23) | 754 | 190 | 221 | 48 | 0.41 | 2.38 | 15.54 | 3.92 | 4.55 | |
| 0 (+32) | 923 | 232 | 270 | 50 | 0.46 | 2.92 | 18.15 | 4.57 | 5.32 | |

| 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) | 157 | 40 | 46 | 26 | 0.23 | 0.49 | 6.06 | 1.53 | 1.77 | |
| -30 (-22) | 213 | 54 | 63 | 31 | 0.27 | 0.67 | 6.95 | 1.75 | 2.04 | |
| -25 (-13) | 283 | 71 | 83 | 36 | 0.30 | 0.89 | 7.86 | 1.98 | 2.30 | |
| -20 (- 4) | 368 | 93 | 108 | 41 | 0.33 | 1.16 | 8.85 | 2.23 | 2.59 | |
| -15 (+ 5) | 470 | 118 | 138 | 47 | 0.37 | 1.48 | 10.00 | 2.52 | 2.93 | |
| -10 (+14) | 592 | 149 | 174 | 52 | 0.41 | 1.87 | 11.36 | 2.86 | 3.33 | |
| -5 (+23) | 736 | 185 | 216 | 57 | 0.47 | 2.33 | 13.01 | 3.28 | 3.81 | |
| 0 (+32) | 904 | 228 | 265 | 61 | 0.54 | 2.86 | 15.00 | 3.78 | 4.40 | |

| 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) | 144 | 36 | 42 | 27 | 0.23 | 0.45 | 5.33 | 1.34 | 1.56 | |
| -30 (-22) | 194 | 49 | 57 | 32 | 0.27 | 0.61 | 6.15 | 1.55 | 1.80 | |
| -25 (-13) | 257 | 65 | 75 | 37 | 0.30 | 0.81 | 6.91 | 1.74 | 2.03 | |
| -20 (- 4) | 336 | 85 | 99 | 44 | 0.34 | 1.06 | 7.68 | 1.93 | 2.25 | |
| -15 (+ 5) | 433 | 109 | 127 | 51 | 0.39 | 1.36 | 8.51 | 2.15 | 2.49 | |
| -10 (+14) | 550 | 138 | 161 | 58 | 0.45 | 1.73 | 9.48 | 2.39 | 2.78 | |
| -5 (+23) | 688 | 173 | 202 | 65 | 0.52 | 2.18 | 10.65 | 2.69 | 3.12 | |
| 0 (+32) | 850 | 214 | 249 | 71 | 0.61 | 2.70 | 12.09 | 3.05 | 3.54 | |

E - PERFORMANCE - CURVAS

| 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) | 250 | 63 | 73 | 39 | 0.33 | 0.78 | 6.34 | 1.60 | 1.86 | |
| -30 (-22) | 334 | 84 | 98 | 46 | 0.37 | 1.05 | 7.28 | 1.83 | 2.13 | |
| -25 (-13) | 440 | 111 | 129 | 53 | 0.42 | 1.38 | 8.35 | 2.10 | 2.45 | |
| -20 (- 4) | 569 | 143 | 167 | 59 | 0.47 | 1.79 | 9.60 | 2.42 | 2.81 | |
| -15 (+ 5) | 724 | 182 | 212 | 66 | 0.52 | 2.28 | 11.07 | 2.79 | 3.24 | |
| -10 (+14) | 908 | 229 | 266 | 71 | 0.58 | 2.86 | 12.83 | 3.23 | 3.76 | |
| -5 (+23) | 1123 | 283 | 329 | 75 | 0.63 | 3.55 | 14.91 | 3.76 | 4.37 | |
| 0 (+32) | 1372 | 346 | 402 | 77 | 0.68 | 4.35 | 17.36 | 4.37 | 5.09 | |

| 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) | 237 | 60 | 69 | 40 | 0.33 | 0.74 | 5.91 | 1.49 | 1.73 | |
| -30 (-22) | 318 | 80 | 93 | 47 | 0.38 | 1.00 | 6.72 | 1.69 | 1.97 | |
| -25 (-13) | 420 | 106 | 123 | 55 | 0.44 | 1.32 | 7.59 | 1.91 | 2.23 | |
| -20 (- 4) | 547 | 138 | 160 | 63 | 0.50 | 1.72 | 8.57 | 2.16 | 2.51 | |
| -15 (+ 5) | 701 | 177 | 205 | 72 | 0.57 | 2.21 | 9.71 | 2.45 | 2.85 | |
| -10 (+14) | 884 | 223 | 259 | 80 | 0.63 | 2.79 | 11.05 | 2.79 | 3.24 | |
| -5 (+23) | 1099 | 277 | 322 | 87 | 0.70 | 3.47 | 12.65 | 3.19 | 3.71 | |
| 0 (+32) | 1348 | 340 | 395 | 93 | 0.76 | 4.27 | 14.56 | 3.67 | 4.27 | |

| 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) | 218 | 55 | 64 | 41 | 0.32 | 0.68 | 5.30 | 1.34 | 1.55 | |
| -30 (-22) | 289 | 73 | 85 | 48 | 0.39 | 0.91 | 6.03 | 1.52 | 1.77 | |
| -25 (-13) | 383 | 96 | 112 | 57 | 0.46 | 1.20 | 6.75 | 1.70 | 1.98 | |
| -20 (- 4) | 501 | 126 | 147 | 67 | 0.53 | 1.58 | 7.51 | 1.89 | 2.20 | |
| -15 (+ 5) | 647 | 163 | 190 | 77 | 0.61 | 2.04 | 8.36 | 2.11 | 2.45 | |
| -10 (+14) | 822 | 207 | 241 | 88 | 0.69 | 2.60 | 9.34 | 2.35 | 2.74 | |
| -5 (+23) | 1030 | 260 | 302 | 98 | 0.76 | 3.26 | 10.50 | 2.65 | 3.08 | |
| 0 (+32) | 1273 | 321 | 373 | 107 | 0.83 | 4.04 | 11.90 | 3.00 | 3.49 | |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 325 | 82 | 95 | 56 | 0.46 | 1.02 | 5.77 | 1.45 | 1.69 | |
| -30 (-22) | 437 | 110 | 128 | 65 | 0.53 | 1.37 | 6.68 | 1.68 | 1.96 | |
| -25 (-13) | 575 | 145 | 169 | 75 | 0.60 | 1.80 | 7.68 | 1.93 | 2.25 | |
| -20 (- 4) | 744 | 187 | 218 | 84 | 0.67 | 2.34 | 8.83 | 2.22 | 2.59 | |
| -15 (+ 5) | 947 | 239 | 277 | 93 | 0.73 | 2.98 | 10.18 | 2.57 | 2.98 | |
| -10 (+14) | 1188 | 299 | 348 | 101 | 0.79 | 3.75 | 11.80 | 2.97 | 3.46 | |
| -5 (+23) | 1470 | 370 | 431 | 107 | 0.86 | 4.65 | 13.74 | 3.46 | 4.03 | |
| 0 (+32) | 1798 | 453 | 527 | 110 | 0.94 | 5.70 | 16.06 | 4.05 | 4.70 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 308 | 78 | 90 | 57 | 0.46 | 0.96 | 5.46 | 1.38 | 1.60 | |
| -30 (-22) | 416 | 105 | 122 | 66 | 0.55 | 1.30 | 6.29 | 1.58 | 1.84 | |
| -25 (-13) | 552 | 139 | 162 | 77 | 0.63 | 1.73 | 7.13 | 1.80 | 2.09 | |
| -20 (- 4) | 719 | 181 | 211 | 89 | 0.71 | 2.26 | 8.05 | 2.03 | 2.36 | |
| -15 (+ 5) | 921 | 232 | 270 | 101 | 0.78 | 2.90 | 9.11 | 2.30 | 2.67 | |
| -10 (+14) | 1161 | 293 | 340 | 112 | 0.86 | 3.66 | 10.36 | 2.61 | 3.04 | |
| -5 (+23) | 1444 | 364 | 423 | 122 | 0.94 | 4.57 | 11.87 | 2.99 | 3.48 | |
| 0 (+32) | 1773 | 447 | 519 | 130 | 1.02 | 5.62 | 13.69 | 3.45 | 4.01 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (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) | 286 | 72 | 84 | 57 | 0.45 | 0.90 | 5.01 | 1.26 | 1.47 | |
| -30 (-22) | 382 | 96 | 112 | 67 | 0.55 | 1.20 | 5.77 | 1.45 | 1.69 | |
| -25 (-13) | 506 | 127 | 148 | 79 | 0.65 | 1.59 | 6.48 | 1.63 | 1.90 | |
| -20 (- 4) | 662 | 167 | 194 | 92 | 0.74 | 2.08 | 7.20 | 1.81 | 2.11 | |
| -15 (+ 5) | 853 | 215 | 250 | 107 | 0.83 | 2.69 | 7.99 | 2.01 | 2.34 | |
| -10 (+14) | 1084 | 273 | 318 | 121 | 0.92 | 3.42 | 8.90 | 2.24 | 2.61 | |
| -5 (+23) | 1358 | 342 | 398 | 136 | 1.01 | 4.29 | 10.00 | 2.52 | 2.93 | |
| 0 (+32) | 1679 | 423 | 492 | 149 | 1.11 | 5.32 | 11.34 | 2.86 | 3.32 | |

F - CARACTERÍSTICAS EXTERNAS

| | | | |
|--------------------------------------|----------------|------|-----------|
| 1 Placa base | | | |
| 2 Soporte de badeja | No | | |
| 3 Tubos | | | |
| 3.1 SUCCIÓN | 6.1 | [mm] | (0.240") |
| 3.1.1 Material | | | |
| 3.1.2 Forma | | | |
| 3.2 DESCARGA | 5.1 | [mm] | (0.201") |
| 3.2.1 Material | | | |
| 3.2.2 Forma | | | |
| 3.3 PROCESO | 6 | [mm] | (0.236") |
| 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 | | |