

DEFINICIÓN DEL COMPRESOR

| | |
|------------------------------|--------------------|
| Denominación | VNE K213U |
| Voltage / Frecuencia nominal | 100-300 V 33-75 Hz |
| Código de Ingeniería | 860AX71 |

A - APLICACIÓN / CONDICIONES LÍMITES DE TRABAJO

| | | | |
|---|-------------------------------------|-----------------------------------|-----------|
| 1 Tipo | Compresor recíproco | | |
| 2 Refrigerante | R-290 | | |
| 3 Voltaje y frecuencia nominal | 100-300 / 33-75 | [V / Hz] | |
| 4 Tipo de aplicación | | | |
| 4.1 Rango de temperatura de evaporación | -40°C para -10°C | (-40°F para 14°F) | |
| 5 Tipo de motor | BPM | | |
| 6 Torque de Arranque | HST - Alto torque de arranque | | |
| 7 Elemento de control | Tubo capilar o Válvula de expansión | | |
| 8 Enfriamiento del compresor | Rango de voltaje de operación | | |
| | | 50 Hz | 60 Hz |
| 8.1 LBP (32°C Temperatura ambiente) | - | - | - |
| 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 | 18.4 | [kgf/cm ²] (262 psig) | / °C - °F |
| 9.2 Pico | 20.6 | [kgf/cm ²] (293 psig) | / °C - °F |
| 10 Máxima temperatura de las bobinas | 130 | [°C] | |

B - DATOS MECÁNICOS

| | | |
|--------------------------------|---------------|----------------------------------|
| 1 Referencia Comercial | | [hp] |
| 2 Desplazamiento | 13.54 | [cm ³] (0.826 cu.in) |
| 2.1 Diametro [mm] | 29.362 | |
| 2.2 Curso [mm] | 20.000 | |
| 3 Carga de aceite | 500 | [ml] (16.91 fl.oz.) |
| 3.1 Aceites aprobados | | |
| 3.2 Tipo/Viscosidad del aceite | ESTER / ISO22 | |
| 4 Peso (com carga de aceite) | 11.6 | [kg] (25.57 lb.) |
| 5 Carga de nitrógeno | - | [kgf/cm ²] |

C - DATOS ELÉCTRICOS

| | | |
|--|------------------------------------|---------------------------|
| 1 Voltaje nominal/Frecuencia/Numero de fases | 100-300 V 33-75 Hz 3 ~ (Trifásico) | |
| 2 Tipo de Dispositivo de Arranque | Inverter | |
| 2.1 Dispositivo de Arranque | VCCHP2456XXXXX | |
| 3 Capacitor de Arranque | - | [µF(VAC minimo)] |
| 4 Capacitor de marcha | - | [µF(VAC minimo)] |
| 5 Protección del motor | MST26GL-3166 | |
| 6 Resistencia del motor - bobina arranque | 3.82 | [Ω en 25°C (77°F)] +/- 8% |
| 7 Resistencia del motor - bobina marcha | 2.53 | [Ω en 25°C (77°F)] +/- 8% |
| 8 LRA - Corriente com rotor trabado (50/60 Hz) | - | [A] - Medido según UL 984 |
| 9 FLA - Corriente a plena carga L/MBP (50/60 Hz) | - | [A] - Medido según UL 984 |
| 10 FLA - Corriente a plena carga HBP (50/60 Hz) | - | [A] - Medido según UL 984 |
| 11 Institutos de aprobación | VDE | |

D - PERFORMANCE - DATOS CHECK POINT

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|--|--|-----------|-------|
| CONDICIONES DE PRUEBA: @220V2000RPM | | | ASHRAELBP32 Forzada | | 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] |
| 1431 | 361 | 419 | 290 | 1.33 | 4.26 | 4.93 | 1.24 | 1.44 |

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|--|--|-----------|-------|
| CONDICIONES DE PRUEBA: @220V2400RPM | | | ASHRAELBP32 Forzada | | 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] |
| 1705 | 430 | 500 | 346 | 1.60 | 5.07 | 4.93 | 1.24 | 1.44 |

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|--|--|-----------|-------|
| CONDICIONES DE PRUEBA: @220V3000RPM | | | ASHRAELBP32 Forzada | | 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] |
| 2116 | 533 | 620 | 431 | 1.98 | 6.30 | 4.91 | 1.24 | 1.44 |

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|--|--|-----------|-------|
| CONDICIONES DE PRUEBA: @220V3600RPM | | | ASHRAELBP32 Forzada | | 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] |
| 2532 | 638 | 742 | 524 | 2.37 | 7.54 | 4.83 | 1.22 | 1.42 |

| | | | | | | | | |
|---|----------|-----|--------------------------------------|--------------------------------|--|--|-----------|-------|
| CONDICIONES DE PRUEBA: @220V4500RPM | | | ASHRAELBP32 Forzada | | 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] |
| 3100 | 781 | 908 | 670 | 3.00 | 9.23 | 4.63 | 1.17 | 1.36 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 35°C (+95°F)) | | | | | |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V2000RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 691 | 174 | 203 | 169 | 0.81 | 2.04 | 4.11 | 1.03 | 1.20 | |
| -35 (-31) | 904 | 228 | 265 | 194 | 0.92 | 2.68 | 4.65 | 1.17 | 1.36 | |
| -30 (-22) | 1174 | 296 | 344 | 219 | 1.03 | 3.48 | 5.37 | 1.35 | 1.57 | |
| -25 (-13) | 1502 | 379 | 440 | 242 | 1.14 | 4.47 | 6.22 | 1.57 | 1.82 | |
| -20 (- 4) | 1888 | 476 | 553 | 264 | 1.24 | 5.63 | 7.16 | 1.80 | 2.10 | |
| -15 (+ 5) | 2331 | 588 | 683 | 286 | 1.34 | 6.98 | 8.17 | 2.06 | 2.39 | |
| -10 (+14) | 2832 | 714 | 830 | 307 | 1.44 | 8.52 | 9.19 | 2.32 | 2.69 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|----------------------------|----------|-----|---------------------|--|---------------|---------------------|-----------|-------|--|
| @220V2000RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 630 | 159 | 184 | 180 | 0.84 | 1.86 | 3.51 | 0.88 | 1.03 | |
| -35 (-31) | 810 | 204 | 237 | 206 | 0.97 | 2.40 | 3.93 | 0.99 | 1.15 | |
| -30 (-22) | 1058 | 267 | 310 | 233 | 1.09 | 3.14 | 4.52 | 1.14 | 1.33 | |
| -25 (-13) | 1373 | 346 | 402 | 260 | 1.22 | 4.08 | 5.25 | 1.32 | 1.54 | |
| -20 (- 4) | 1756 | 443 | 515 | 289 | 1.35 | 5.24 | 6.08 | 1.53 | 1.78 | |
| -15 (+ 5) | 2207 | 556 | 647 | 318 | 1.49 | 6.61 | 6.96 | 1.75 | 2.04 | |
| -10 (+14) | 2725 | 687 | 798 | 348 | 1.62 | 8.20 | 7.86 | 1.98 | 2.30 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|----------------------------|----------|-----|---------------------|--|---------------|---------------------|-----------|-------|--|
| @220V2000RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 677 | 171 | 198 | 184 | 0.83 | 2.00 | 3.66 | 0.92 | 1.07 | |
| -35 (-31) | 812 | 205 | 238 | 213 | 0.97 | 2.40 | 3.85 | 0.97 | 1.13 | |
| -30 (-22) | 1024 | 258 | 300 | 245 | 1.12 | 3.03 | 4.21 | 1.06 | 1.23 | |
| -25 (-13) | 1313 | 331 | 385 | 279 | 1.28 | 3.90 | 4.71 | 1.19 | 1.38 | |
| -20 (- 4) | 1679 | 423 | 492 | 316 | 1.45 | 5.01 | 5.30 | 1.34 | 1.55 | |
| -15 (+ 5) | 2123 | 535 | 622 | 356 | 1.63 | 6.36 | 5.95 | 1.50 | 1.74 | |
| -10 (+14) | 2644 | 666 | 775 | 399 | 1.82 | 7.95 | 6.62 | 1.67 | 1.94 | |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 35°C (+95°F)) | | | | | |
|----------------------------|----------------------------|----------|------|---------------------|--------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V2400RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 839 | 211 | 246 | 207 | 0.97 | 2.48 | 4.05 | 1.02 | 1.19 | |
| -35 (-31) | 1116 | 281 | 327 | 236 | 1.10 | 3.30 | 4.72 | 1.19 | 1.38 | |
| -30 (-22) | 1452 | 366 | 426 | 265 | 1.23 | 4.31 | 5.48 | 1.38 | 1.61 | |
| -25 (-13) | 1851 | 466 | 542 | 293 | 1.36 | 5.50 | 6.32 | 1.59 | 1.85 | |
| -20 (- 4) | 2312 | 583 | 677 | 320 | 1.48 | 6.90 | 7.22 | 1.82 | 2.12 | |
| -15 (+ 5) | 2838 | 715 | 832 | 348 | 1.61 | 8.50 | 8.17 | 2.06 | 2.39 | |
| -10 (+14) | 3431 | 865 | 1005 | 375 | 1.73 | 10.32 | 9.15 | 2.31 | 2.68 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V2400RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 766 | 193 | 224 | 210 | 0.98 | 2.26 | 3.67 | 0.92 | 1.07 | |
| -35 (-31) | 1017 | 256 | 298 | 245 | 1.14 | 3.01 | 4.16 | 1.05 | 1.22 | |
| -30 (-22) | 1332 | 336 | 390 | 280 | 1.30 | 3.95 | 4.76 | 1.20 | 1.39 | |
| -25 (-13) | 1712 | 431 | 502 | 315 | 1.46 | 5.09 | 5.43 | 1.37 | 1.59 | |
| -20 (- 4) | 2160 | 544 | 633 | 349 | 1.61 | 6.45 | 6.18 | 1.56 | 1.81 | |
| -15 (+ 5) | 2677 | 675 | 784 | 384 | 1.77 | 8.02 | 6.97 | 1.76 | 2.04 | |
| -10 (+14) | 3265 | 823 | 957 | 419 | 1.93 | 9.82 | 7.80 | 1.97 | 2.29 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|----------------------------|----------|-----|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V2400RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 685 | 173 | 201 | 206 | 0.97 | 2.02 | 3.31 | 0.83 | 0.97 | |
| -35 (-31) | 907 | 229 | 266 | 248 | 1.16 | 2.68 | 3.67 | 0.92 | 1.08 | |
| -30 (-22) | 1197 | 302 | 351 | 290 | 1.35 | 3.55 | 4.13 | 1.04 | 1.21 | |
| -25 (-13) | 1557 | 392 | 456 | 333 | 1.54 | 4.63 | 4.68 | 1.18 | 1.37 | |
| -20 (- 4) | 1988 | 501 | 582 | 375 | 1.73 | 5.93 | 5.30 | 1.33 | 1.55 | |
| -15 (+ 5) | 2492 | 628 | 730 | 418 | 1.92 | 7.46 | 5.97 | 1.50 | 1.75 | |
| -10 (+14) | 3072 | 774 | 900 | 461 | 2.11 | 9.24 | 6.67 | 1.68 | 1.96 | |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 35°C (+95°F)) | | | | | |
|----------------------------|----------------------------|----------|------|---------------------|--------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V3000RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 1027 | 259 | 301 | 258 | 1.19 | 3.03 | 3.98 | 1.00 | 1.17 | |
| -35 (-31) | 1365 | 344 | 400 | 297 | 1.36 | 4.04 | 4.59 | 1.16 | 1.35 | |
| -30 (-22) | 1780 | 449 | 522 | 335 | 1.53 | 5.28 | 5.31 | 1.34 | 1.56 | |
| -25 (-13) | 2271 | 572 | 666 | 372 | 1.70 | 6.75 | 6.11 | 1.54 | 1.79 | |
| -20 (- 4) | 2839 | 715 | 832 | 409 | 1.87 | 8.47 | 6.96 | 1.75 | 2.04 | |
| -15 (+ 5) | 3484 | 878 | 1021 | 446 | 2.04 | 10.44 | 7.82 | 1.97 | 2.29 | |
| -10 (+14) | 4205 | 1060 | 1232 | 483 | 2.21 | 12.65 | 8.67 | 2.19 | 2.54 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|----------------------------|----------|------|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V3000RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 948 | 239 | 278 | 264 | 1.23 | 2.80 | 3.61 | 0.91 | 1.06 | |
| -35 (-31) | 1239 | 312 | 363 | 307 | 1.42 | 3.67 | 4.03 | 1.01 | 1.18 | |
| -30 (-22) | 1620 | 408 | 475 | 351 | 1.62 | 4.81 | 4.59 | 1.16 | 1.34 | |
| -25 (-13) | 2093 | 527 | 613 | 396 | 1.82 | 6.22 | 5.26 | 1.33 | 1.54 | |
| -20 (- 4) | 2657 | 669 | 778 | 441 | 2.03 | 7.93 | 6.01 | 1.51 | 1.76 | |
| -15 (+ 5) | 3311 | 834 | 970 | 487 | 2.24 | 9.92 | 6.81 | 1.72 | 2.00 | |
| -10 (+14) | 4057 | 1022 | 1189 | 534 | 2.46 | 12.20 | 7.62 | 1.92 | 2.23 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|----------------------------|----------|------|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V3000RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 1026 | 259 | 301 | 268 | 1.27 | 3.03 | 3.79 | 0.96 | 1.11 | |
| -35 (-31) | 1226 | 309 | 359 | 315 | 1.47 | 3.63 | 3.93 | 0.99 | 1.15 | |
| -30 (-22) | 1531 | 386 | 449 | 364 | 1.68 | 4.54 | 4.24 | 1.07 | 1.24 | |
| -25 (-13) | 1942 | 489 | 569 | 415 | 1.90 | 5.77 | 4.69 | 1.18 | 1.37 | |
| -20 (- 4) | 2459 | 620 | 720 | 468 | 2.14 | 7.33 | 5.24 | 1.32 | 1.54 | |
| -15 (+ 5) | 3081 | 776 | 903 | 523 | 2.39 | 9.23 | 5.88 | 1.48 | 1.72 | |
| -10 (+14) | 3808 | 960 | 1116 | 580 | 2.65 | 11.46 | 6.57 | 1.65 | 1.92 | |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 35°C (+95°F)) | | | | | |
|----------------------------|----------------------------|----------|------|---------------------|--------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V3600RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 1259 | 317 | 369 | 316 | 1.47 | 3.72 | 3.98 | 1.00 | 1.17 | |
| -35 (-31) | 1632 | 411 | 478 | 360 | 1.67 | 4.83 | 4.54 | 1.14 | 1.33 | |
| -30 (-22) | 2105 | 531 | 617 | 406 | 1.88 | 6.24 | 5.19 | 1.31 | 1.52 | |
| -25 (-13) | 2679 | 675 | 785 | 453 | 2.09 | 7.97 | 5.92 | 1.49 | 1.73 | |
| -20 (- 4) | 3352 | 845 | 982 | 501 | 2.31 | 10.00 | 6.70 | 1.69 | 1.96 | |
| -15 (+ 5) | 4127 | 1040 | 1209 | 550 | 2.53 | 12.36 | 7.51 | 1.89 | 2.20 | |
| -10 (+14) | 5001 | 1260 | 1465 | 600 | 2.76 | 15.05 | 8.33 | 2.10 | 2.44 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|----------------------------|----------|------|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V3600RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 1119 | 282 | 328 | 321 | 1.47 | 3.30 | 3.50 | 0.88 | 1.02 | |
| -35 (-31) | 1488 | 375 | 436 | 373 | 1.71 | 4.40 | 3.99 | 1.01 | 1.17 | |
| -30 (-22) | 1955 | 493 | 573 | 427 | 1.95 | 5.80 | 4.57 | 1.15 | 1.34 | |
| -25 (-13) | 2520 | 635 | 738 | 483 | 2.20 | 7.49 | 5.21 | 1.31 | 1.53 | |
| -20 (- 4) | 3184 | 802 | 933 | 540 | 2.46 | 9.50 | 5.89 | 1.48 | 1.73 | |
| -15 (+ 5) | 3946 | 994 | 1156 | 599 | 2.72 | 11.82 | 6.60 | 1.66 | 1.93 | |
| -10 (+14) | 4807 | 1211 | 1409 | 659 | 2.99 | 14.46 | 7.30 | 1.84 | 2.14 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|----------------------------|----------|------|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V3600RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 993 | 250 | 291 | 320 | 1.47 | 2.93 | 3.10 | 0.78 | 0.91 | |
| -35 (-31) | 1336 | 337 | 392 | 379 | 1.73 | 3.95 | 3.53 | 0.89 | 1.04 | |
| -30 (-22) | 1776 | 448 | 520 | 440 | 2.00 | 5.27 | 4.04 | 1.02 | 1.18 | |
| -25 (-13) | 2312 | 583 | 678 | 503 | 2.28 | 6.87 | 4.60 | 1.16 | 1.35 | |
| -20 (- 4) | 2945 | 742 | 863 | 568 | 2.57 | 8.79 | 5.19 | 1.31 | 1.52 | |
| -15 (+ 5) | 3675 | 926 | 1077 | 635 | 2.87 | 11.01 | 5.79 | 1.46 | 1.70 | |
| -10 (+14) | 4502 | 1134 | 1319 | 705 | 3.18 | 13.54 | 6.38 | 1.61 | 1.87 | |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 35°C (+95°F)) | | | | | |
|----------------------------|----------------------------|----------|------|---------------------|--------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V4500RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 1540 | 388 | 451 | 404 | 1.86 | 4.55 | 3.80 | 0.96 | 1.11 | |
| -35 (-31) | 1972 | 497 | 578 | 461 | 2.12 | 5.84 | 4.29 | 1.08 | 1.26 | |
| -30 (-22) | 2518 | 634 | 738 | 519 | 2.38 | 7.47 | 4.86 | 1.22 | 1.42 | |
| -25 (-13) | 3175 | 800 | 930 | 579 | 2.66 | 9.44 | 5.48 | 1.38 | 1.61 | |
| -20 (- 4) | 3945 | 994 | 1156 | 641 | 2.94 | 11.77 | 6.15 | 1.55 | 1.80 | |
| -15 (+ 5) | 4828 | 1217 | 1415 | 705 | 3.23 | 14.46 | 6.85 | 1.73 | 2.01 | |
| -10 (+14) | 5823 | 1467 | 1706 | 770 | 3.53 | 17.52 | 7.56 | 1.91 | 2.22 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|----------------------------|----------|------|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V4500RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 1375 | 347 | 403 | 405 | 1.82 | 4.06 | 3.40 | 0.86 | 1.00 | |
| -35 (-31) | 1828 | 461 | 536 | 474 | 2.13 | 5.41 | 3.86 | 0.97 | 1.13 | |
| -30 (-22) | 2385 | 601 | 699 | 545 | 2.45 | 7.07 | 4.37 | 1.10 | 1.28 | |
| -25 (-13) | 3047 | 768 | 893 | 617 | 2.77 | 9.06 | 4.93 | 1.24 | 1.45 | |
| -20 (- 4) | 3815 | 961 | 1118 | 690 | 3.10 | 11.38 | 5.53 | 1.39 | 1.62 | |
| -15 (+ 5) | 4687 | 1181 | 1374 | 764 | 3.44 | 14.04 | 6.14 | 1.55 | 1.80 | |
| -10 (+14) | 5665 | 1428 | 1660 | 839 | 3.78 | 17.04 | 6.76 | 1.70 | 1.98 | |

| CONDICIONES DE PRUEBA: | | ASHRAE32 | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|----------------------------|----------|------|---------------------|---------------------------------------|---------------|---------------------|-----------|-------|--|
| @220V4500RPM | | Forzada | | | | | | | | |
| 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] | |
| -40 (-40) | 1190 | 300 | 349 | 395 | 1.78 | 3.51 | 3.01 | 0.76 | 0.88 | |
| -35 (-31) | 1643 | 414 | 481 | 477 | 2.14 | 4.86 | 3.44 | 0.87 | 1.01 | |
| -30 (-22) | 2194 | 553 | 643 | 560 | 2.51 | 6.51 | 3.91 | 0.99 | 1.15 | |
| -25 (-13) | 2843 | 716 | 833 | 643 | 2.88 | 8.45 | 4.42 | 1.11 | 1.30 | |
| -20 (- 4) | 3589 | 904 | 1052 | 726 | 3.25 | 10.71 | 4.95 | 1.25 | 1.45 | |
| -15 (+ 5) | 4433 | 1117 | 1299 | 809 | 3.62 | 13.28 | 5.49 | 1.38 | 1.61 | |
| -10 (+14) | 5375 | 1354 | 1575 | 892 | 4.00 | 16.17 | 6.02 | 1.52 | 1.76 | |

F - CARACTERÍSTICAS EXTERNAS

| | |
|--------------------------------------|--|
| 1 Placa base | Universal |
| 2 Soporte de badeja | No |
| 3 Tubos | |
| 3.1 SUCCIÓN | 8.1 +0.10/+0.00 [mm] (0.319" +0.004"/+0.000") |
| 3.1.1 Material | Cobre |
| 3.1.2 Forma | Curvo 42° |
| 3.2 DESCARGA | 6.45 +0.10/+0.00 [mm] (0.254" +0.004"/+0.000") |
| 3.2.1 Material | Cobre |
| 3.2.2 Forma | Curvo Paralelo Placa base |
| 3.3 PROCESO | 6.45 +0.10/+0.00 [mm] (0.254" +0.004"/+0.000") |
| 3.3.1 Material | Cobre |
| 3.3.2 Forma | Curvo 42° |
| 3.4 Tubo enfriador de aceite (Cobre) | No [mm] |
| 3.5 Sellado del tudo | Tampa de Gomma |