

DEFINICIÓN DEL COMPRESOR

| | |
|------------------------------|-----------------------------------|
| Denominación | NJ 6226ZX |
| Voltage / Frecuencia nominal | 380-420 V 50 Hz / 440-480 V 60 Hz |
| Código de Ingeniería | 148IM01 |

A - APLICACIÓN / CONDICIONES LÍMITES DE TRABAJO

| | | | |
|--|-------------------------------------|-----------------------------------|-----------|
| 1 Tipo | Compresor recíproco | | |
| 2 Refrigerante | R-134a | | |
| 3 Voltaje y frecuencia nominal | 380-420 / 50 | [V / Hz] | |
| 4 Tipo de aplicación | | | |
| 4.1 Rango de temperatura de evaporación | -15°C para 10°C | (5°F para 50°F) | |
| 5 Tipo de motor | 3PHASE | | |
| 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 presión/temperatura de condensación | | | |
| 9.1 Operación (gauge) | 16.2 | [kgf/cm ²] (230 psig) | / °C - °F |
| 9.2 Pico (gauge) | 20.6 | [kgf/cm ²] (293 psig) | / °C - °F |
| 10 Máxima temperatura de las bobinas | 130 | [°C] | |

B - DATOS MECÁNICOS

| | | |
|--------------------------------|---------------|--|
| 1 Referencia Comercial | 1+ | [hp] |
| 2 Desplazamiento | 34.38 | [cm ³] (2.098 cu.in) |
| 2.1 Diametro [mm] | 42.850 | |
| 2.2 Curso [mm] | 23.850 | |
| 3 Carga de aceite | 750 | [ml] (25.36 fl.oz.) |
| 3.1 Aceites aprobados | | |
| 3.2 Tipo/Viscosidad del aceite | ESTER / ISO22 | |
| 4 Peso (com carga de aceite) | 20.2 | [kg] (44.53 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 | 380-420 V 50 Hz / 440-480 V 60 Hz 3 ~ (Trifásico) | |
| 2 Tipo de Dispositivo de Arranque | 3PHASE | |
| 2.1 Dispositivo de Arranque | | |
| 3 Capacitor de Arranque | - | [µF(VAC minimo)] |
| 4 Capacitor de marcha | - | [µF(VAC minimo)] |
| 5 Protección del motor | 34HM244 | |
| 6 Resistencia del motor - bobina arranque | | [Ω en 25°C (77°F)] +/- 8% |
| 7 Resistencia del motor - bobina marcha | 14.78 | [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 | UL | |

D - PERFORMANCE - DATOS CHECK POINT

| | | | | | | | | |
|--|----------|------|--------------------------------------|--------------------------------|--|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @380V50Hz | | | ASHRAEHBP46 Forzada | | Temperatura de evaporación 7.2°C (44.96°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] |
| 10156 | 2559 | 2976 | 1190 | 2.31 | 65.85 | 8.53 | 2.15 | 2.50 |

E - PERFORMANCE - CURVAS

| | | | | | | | | | | |
|--|-------|--------------------------------------|-----------------------------------|------|--|--------------------------------|-------------------------|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @380V50Hz | | | ASHRAE46 Forzada | | (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] |
| -15 | (+5) | 6329 | 1595 | 1855 | 666 | 1.68 | 34.24 | 9.49 | 2.39 | 2.78 |
| -10 | (+14) | 7589 | 1912 | 2224 | 735 | 1.73 | 41.18 | 10.35 | 2.61 | 3.03 |
| -5 | (+23) | 9153 | 2307 | 2682 | 804 | 1.79 | 49.84 | 11.39 | 2.87 | 3.34 |
| 0 | (+32) | 11022 | 2778 | 3230 | 873 | 1.86 | 60.30 | 12.61 | 3.18 | 3.70 |
| +5 | (+41) | 13195 | 3325 | 3867 | 942 | 1.94 | 72.59 | 13.99 | 3.53 | 4.10 |
| +10 | (+50) | 15673 | 3950 | 4592 | 1011 | 2.03 | 86.79 | 15.51 | 3.91 | 4.55 |

| | | | | | | | | | | |
|--|-------|--------------------------------------|-----------------------------------|------|---|--------------------------------|-------------------------|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @380V50Hz | | | ASHRAE46 Forzada | | (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] |
| -15 | (+5) | 4858 | 1224 | 1424 | 672 | 1.68 | 28.36 | 7.23 | 1.82 | 2.12 |
| -10 | (+14) | 6128 | 1544 | 1796 | 765 | 1.76 | 35.94 | 8.01 | 2.02 | 2.35 |
| -5 | (+23) | 7627 | 1922 | 2235 | 858 | 1.86 | 44.93 | 8.89 | 2.24 | 2.61 |
| 0 | (+32) | 9355 | 2357 | 2741 | 949 | 1.97 | 55.37 | 9.85 | 2.48 | 2.89 |
| +5 | (+41) | 11310 | 2850 | 3314 | 1040 | 2.09 | 67.32 | 10.88 | 2.74 | 3.19 |
| +10 | (+50) | 13494 | 3401 | 3954 | 1129 | 2.21 | 80.83 | 11.95 | 3.01 | 3.50 |

| | | | | | | | | | | |
|--|-------|--------------------------------------|-----------------------------------|------|---|--------------------------------|-------------------------|-------------------------------|-----------|-------|
| CONDICIONES DE PRUEBA: @380V50Hz | | | ASHRAE46 Forzada | | (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] |
| -15 | (+5) | 3332 | 840 | 976 | 678 | 1.68 | 21.24 | 4.93 | 1.24 | 1.44 |
| -10 | (+14) | 4606 | 1161 | 1350 | 797 | 1.80 | 29.46 | 5.76 | 1.45 | 1.69 |
| -5 | (+23) | 6033 | 1520 | 1768 | 914 | 1.94 | 38.75 | 6.59 | 1.66 | 1.93 |
| 0 | (+32) | 7613 | 1918 | 2231 | 1029 | 2.08 | 49.16 | 7.41 | 1.87 | 2.17 |
| +5 | (+41) | 9345 | 2355 | 2738 | 1142 | 2.24 | 60.74 | 8.20 | 2.07 | 2.40 |
| +10 | (+50) | 11230 | 2830 | 3291 | 1252 | 2.40 | 73.56 | 8.95 | 2.26 | 2.62 |

E - PERFORMANCE - CURVAS

| CONDICIONES DE PRUEBA: | | ASHRAE46 | | | (Temp. de condensación 35°C (+95°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|------|--------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @380V60Hz | | 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] |
| -15 | (+5) | 7405 | 1866 | 2170 | 797 | 1.71 | 40.07 | 9.28 | 2.34 | 2.72 |
| -10 | (+14) | 8879 | 2238 | 2602 | 874 | 1.76 | 48.18 | 10.18 | 2.57 | 2.98 |
| -5 | (+23) | 10709 | 2699 | 3138 | 950 | 1.82 | 58.32 | 11.28 | 2.84 | 3.30 |
| 0 | (+32) | 12896 | 3250 | 3779 | 1027 | 1.90 | 70.55 | 12.55 | 3.16 | 3.68 |
| +5 | (+41) | 15438 | 3890 | 4524 | 1104 | 1.98 | 84.93 | 13.97 | 3.52 | 4.09 |
| +10 | (+50) | 18337 | 4621 | 5373 | 1181 | 2.07 | 101.54 | 15.54 | 3.92 | 4.55 |

| CONDICIONES DE PRUEBA: | | ASHRAE46 | | | (Temp. de condensación 45°C (+113°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|------|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @380V60Hz | | 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] |
| -15 | (+5) | 5684 | 1432 | 1666 | 809 | 1.71 | 33.17 | 7.02 | 1.77 | 2.06 |
| -10 | (+14) | 7170 | 1807 | 2101 | 913 | 1.80 | 42.05 | 7.86 | 1.98 | 2.30 |
| -5 | (+23) | 8924 | 2249 | 2615 | 1015 | 1.90 | 52.57 | 8.79 | 2.21 | 2.58 |
| 0 | (+32) | 10944 | 2758 | 3207 | 1117 | 2.01 | 64.78 | 9.80 | 2.47 | 2.87 |
| +5 | (+41) | 13232 | 3335 | 3877 | 1217 | 2.13 | 78.76 | 10.87 | 2.74 | 3.19 |
| +10 | (+50) | 15788 | 3979 | 4626 | 1317 | 2.26 | 94.57 | 11.99 | 3.02 | 3.51 |

| CONDICIONES DE PRUEBA: | | ASHRAE46 | | | (Temp. de condensación 55°C (+131°F)) | | | | | |
|----------------------------|-------|----------------------------|----------|------|---------------------------------------|----------------------|---------------|---------------------|-----------|-------|
| @380V60Hz | | 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] |
| -15 | (+5) | 3898 | 982 | 1142 | 821 | 1.71 | 24.85 | 4.76 | 1.20 | 1.40 |
| -10 | (+14) | 5390 | 1358 | 1579 | 953 | 1.84 | 34.47 | 5.63 | 1.42 | 1.65 |
| -5 | (+23) | 7059 | 1779 | 2069 | 1083 | 1.98 | 45.34 | 6.51 | 1.64 | 1.91 |
| 0 | (+32) | 8907 | 2245 | 2610 | 1210 | 2.12 | 57.52 | 7.37 | 1.86 | 2.16 |
| +5 | (+41) | 10934 | 2755 | 3204 | 1336 | 2.28 | 71.07 | 8.20 | 2.07 | 2.40 |
| +10 | (+50) | 13139 | 3311 | 3850 | 1459 | 2.45 | 86.07 | 8.99 | 2.27 | 2.63 |

F - CARACTERÍSTICAS EXTERNAS

| | | | |
|--------------------------------------|-----------------|------|--------------------------|
| 1 Placa base | Grande | | |
| 2 Soporte de badeja | No | | |
| 3 Tubos | | | |
| 3.1 SUCCIÓN | 9.6 +0.07/+0.00 | [mm] | (0.378" +0.003"/+0.000") |
| 3.1.1 Material | Cobre | | |
| 3.1.2 Forma | Vertical | | |
| 3.2 DESCARGA | 8 +0.07/+0.00 | [mm] | (0.315" +0.003"/+0.000") |
| 3.2.1 Material | Cobre | | |
| 3.2.2 Forma | Curvo J | | |
| 3.3 PROCESO | 9.6 +0.07/+0.00 | [mm] | (0.378" +0.003"/+0.000") |
| 3.3.1 Material | Cobre | | |
| 3.3.2 Forma | Vertical | | |
| 3.4 Tubo enfriador de aceite (Cobre) | No | [mm] | |
| 3.5 Sellado del tudo | Tampa de Gomma | | |