

NJ2212GK



ENGINEERING CODE
943DA95

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
804 W

EFFICIENCY
1.04 W/W



DATA

GENERAL DATA

| | |
|------------------------|-----------------------------------|
| Model | NJ2212GK |
| Type | Hermetic Reciprocating |
| Technology | ON/OFF |
| Compressor Application | LBP |
| Expansion Device | Capillary Tube or Expansion Valve |
| Compressor Cooling | Fan/220 |
| HP | 1 1/3 |
| Starting Torque | HST |
| Plant | SLOVAKIA |

ELECTRICAL DATA

| | |
|--------------------------|----------------|
| Start Winding Resistance | 4.84 Ω at 25°C |
| Run Winding Resistance | 1.7 Ω at 25°C |

MECHANICAL DATA

| | |
|---------------|-----------------------|
| Displacement | 34.38 cm ³ |
| Oil Charge | 750 ml |
| Oil Type | ESTER |
| Oil Viscosity | ISO22 |
| Weight | 21.5 Kg |

ELECTRICAL COMPONENTS

| | |
|---------------------|-------------------------|
| Start Capacitor | 88-108 µf/330 V |
| CSR CSIR BOX | Yes |
| Overload Protection | 15HM1963-248 (internal) |

EXTERNAL CHARACTERISTICS

| | |
|------------|-------|
| Base Plate | LARGE |
|------------|-------|

| Connector | Internal Diameter | Shape | Material |
|-----------|-------------------|-----------|----------|
| Suction | 12.77 mm | VERTICAL | COPPER |
| Discharge | 8 mm | SLANTED J | COPPER |
| Process | 6.42 mm | VERTICAL | COPPER |

PERFORMANCE

TESTED CONDITIONS

| | |
|-------------------------|---------|
| Tested Refrigerant | R-404A |
| Tested Application | LBP |
| Tested Standard | EN12900 |
| Tested Cooling | Fan |
| Tested Voltage | 220 V |
| Tested Frequency | 50 Hz |
| Max Refrigerant Charge | 800 g |
| Refrigerant Temperature | Dew |

RATED POINTS

| Condensing Temperature °C | Evaporating Temperature °C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|---------------------------|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| 40 | -35 | 804 | 1.04 | 770 | - | 21.78 |

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

PERFORMANCE CURVE**Condensing Temperature 35°C**

| Evaporating Temperature °C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -40 | 644 | 1.01 | 640 | - | 16.38 |
| -35 | 900 | 1.19 | 759 | - | 22.95 |
| -30 | 1225 | 1.37 | 893 | - | 31.36 |
| -25 | 1612 | 1.56 | 1036 | - | 41.52 |
| -20 | 2056 | 1.74 | 1182 | - | 53.32 |
| -15 | 2551 | 1.93 | 1324 | - | 66.67 |
| -10 | 3091 | 2.13 | 1453 | - | 81.47 |

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

PERFORMANCE CURVE**Condensing Temperature 45°C**

| Evaporating Temperature °C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -40 | 493 | 0.77 | 645 | - | 14.22 |
| -35 | 705 | 0.91 | 771 | - | 20.40 |
| -30 | 975 | 1.06 | 920 | - | 28.35 |
| -25 | 1298 | 1.20 | 1083 | - | 37.98 |
| -20 | 1669 | 1.33 | 1255 | - | 49.18 |
| -15 | 2081 | 1.46 | 1428 | - | 61.86 |
| -10 | 2528 | 1.58 | 1596 | - | 75.92 |

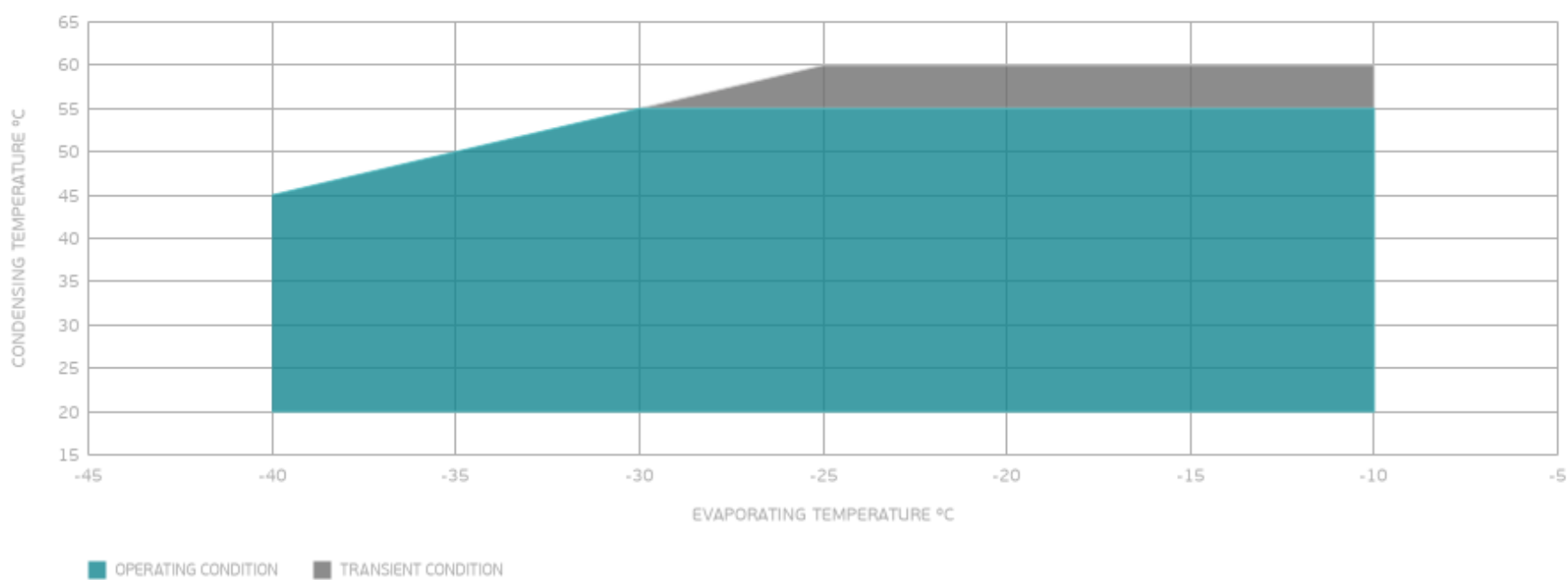
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

PERFORMANCE CURVE**Condensing Temperature 55°C**

| Evaporating Temperature °C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -30 | 714 | 0.80 | 891 | - | 24.38 |
| -25 | 973 | 0.91 | 1070 | - | 33.43 |
| -20 | 1269 | 1.00 | 1264 | - | 43.98 |
| -15 | 1598 | 1.09 | 1464 | - | 55.94 |
| -10 | 1952 | 1.17 | 1664 | - | 69.21 |

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

ENVELOPE



EXTERNAL DIMENSIONS

