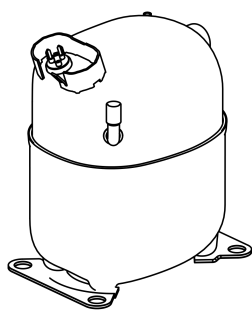


NJ2212GK



ENGINEERING CODE
943DA11

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
AHRI

COOLING CAPACITY
939 W

EFFICIENCY
1.09 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 1/2 |
| 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 |
| Run Capacitor | 20.0 µf/400 V |
| CSR CSIR BOX | Yes |
| Starting Device Description | RVA2L3C-112 |
| Overload Protection | 15HM1963-248 (internal) |

PERFORMANCE

TESTED CONDITIONS

| | |
|-------------------------|--------|
| Tested Refrigerant | R-404A |
| Tested Application | LBP |
| Tested Standard | AHRI |
| Tested Cooling | Fan |
| Tested Voltage | 220 V |
| 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 |
|---------------------------|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| 40.6 | -31.7 | 939 | 1.09 | 862 | - | 28.67 |

Test Condition: Subcooling 0 K, Return Gas 4.4 °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 | 617 | 0.96 | 641 | - | 17.32 |
| -35 | 875 | 1.15 | 762 | - | 24.71 |
| -30 | 1190 | 1.33 | 894 | - | 33.78 |
| -25 | 1556 | 1.51 | 1032 | - | 44.51 |
| -20 | 1972 | 1.68 | 1172 | - | 56.87 |
| -15 | 2432 | 1.86 | 1307 | - | 70.84 |
| -10 | 2933 | 2.05 | 1434 | - | 86.40 |

Test Condition: Subcooling 0 K, Return Gas 4.4 °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 | 452 | 0.71 | 634 | - | 14.60 |
| -35 | 665 | 0.87 | 767 | - | 21.58 |
| -30 | 926 | 1.01 | 916 | - | 30.25 |
| -25 | 1232 | 1.14 | 1077 | - | 40.59 |
| -20 | 1579 | 1.27 | 1244 | - | 52.58 |
| -15 | 1964 | 1.39 | 1413 | - | 66.20 |
| -10 | 2383 | 1.51 | 1578 | - | 81.42 |

Test Condition: Subcooling 0 K, Return Gas 4.4 °C. Data are an indication of performance based simulation.

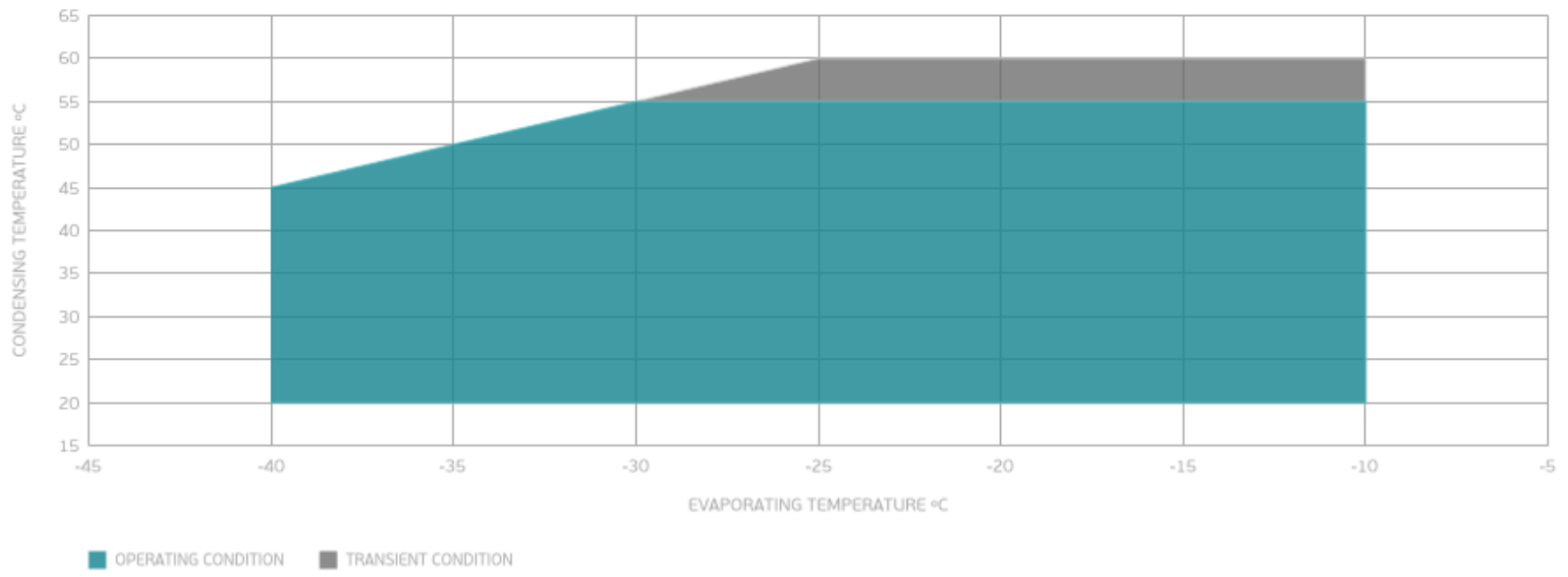
PERFORMANCE CURVE

Condensing Temperature 55°C

| Evaporating Temperature °C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -30 | 668 | 0.75 | 891 | - | 26.21 |
| -25 | 911 | 0.85 | 1070 | - | 36.05 |
| -20 | 1187 | 0.94 | 1260 | - | 47.56 |
| -15 | 1493 | 1.02 | 1457 | - | 60.71 |
| -10 | 1826 | 1.10 | 1656 | - | 75.47 |

Test Condition: Subcooling 0 K, Return Gas 4.4 °C. Data are an indication of performance based simulation.

ENVELOPE



External

EXTERNAL CHARACTERISTICS

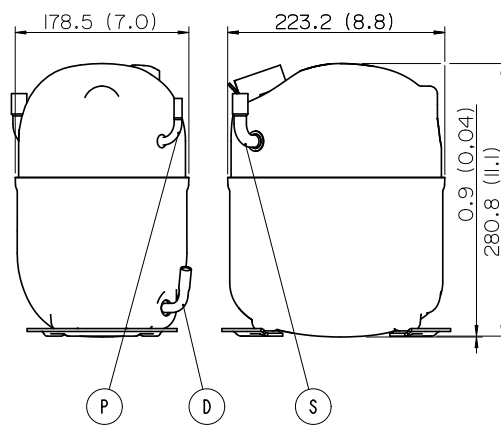
Base Plate LARGE

Tray Holder NO

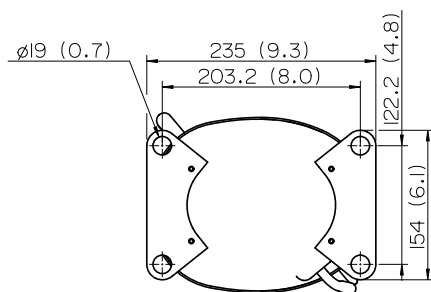
| Connector | Internal Diameter | Shape | Material |
|-----------|-------------------|-----------|----------|
| Suction | 12.77 mm | VERTICAL | COPPER |
| Discharge | 8 mm | SLANTED J | COPPER |
| Process | 6.42 mm | VERTICAL | COPPER |

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

