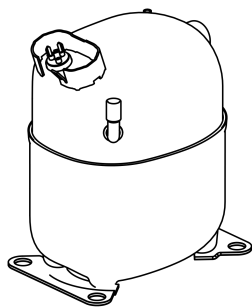


NJ9232GK



ENGINEERING CODE
943GA11



REFRIGERANT
R-404A



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
MBP



MOTOR TYPE
CSCR



STANDARD
ASHRAE



COOLING CAPACITY
2291 W



EFFICIENCY
1.92 W/W



DATA

GENERAL DATA

| | |
|------------------------|-----------------------------------|
| Model | NJ9232GK |
| Type | Hermetic Reciprocating |
| Technology | ON/OFF |
| Compressor Application | MBP |
| Expansion Device | Capillary Tube or Expansion Valve |
| Compressor Cooling | Fan/220 |
| HP | 1 1/4 |
| Starting Torque | HST |
| Plant | SLOVAKIA |

ELECTRICAL DATA

| | |
|----------------------------------|----------------|
| Start Winding Resistance | 7.2 Ω at 25°C |
| Run Winding Resistance | 1.97 Ω at 25°C |
| Locked Rotor Amperage (LRA) 50Hz | 40 A |

MECHANICAL DATA

| | |
|---------------|-----------------------|
| Displacement | 26.11 cm ³ |
| Oil Charge | 750 ml |
| Oil Type | ESTER |
| Oil Viscosity | ISO22 |
| Weight | 19.9 Kg |

ELECTRICAL COMPONENTS

| | |
|-----------------------------|-----------------------|
| Start Capacitor | 88-108 µf/330 V |
| Run Capacitor | 30.0 µf/400 V |
| CSR CSIR BOX | Yes |
| Starting Device Description | RVA3H3C-108 |
| Overload Protection | USP-665-88 (internal) |

PERFORMANCE

TESTED CONDITIONS

| | |
|-------------------------|--------|
| Tested Refrigerant | R-404A |
| Tested Application | MBP |
| Tested Standard | ASHRAE |
| 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 |
|---------------------------|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| 54.4 | -6.7 | 2291 | 1.92 | 1194 | 5.71 | 62.5 |

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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 |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -20 | 1690 | 1.97 | 856 | 4.37 | 36.70 |
| -15 | 2175 | 2.30 | 945 | 4.62 | 47.53 |
| -10 | 2759 | 2.66 | 1036 | 4.88 | 60.64 |
| -5 | 3446 | 3.08 | 1120 | 5.13 | 76.26 |
| 0 | 4239 | 3.57 | 1187 | 5.38 | 94.66 |
| 5 | 5142 | 4.18 | 1229 | 5.64 | 116.06 |
| 10 | 6160 | 4.98 | 1236 | 5.90 | 140.72 |

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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 |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -20 | 1422 | 1.61 | 886 | 4.37 | 34.11 |
| -15 | 1849 | 1.88 | 984 | 4.75 | 44.62 |
| -10 | 2359 | 2.15 | 1096 | 5.13 | 57.31 |
| -5 | 2958 | 2.44 | 1214 | 5.51 | 72.44 |
| 0 | 3648 | 2.75 | 1327 | 5.90 | 90.24 |
| 5 | 4435 | 3.11 | 1426 | 6.28 | 110.97 |
| 10 | 5321 | 3.54 | 1503 | 6.67 | 134.86 |

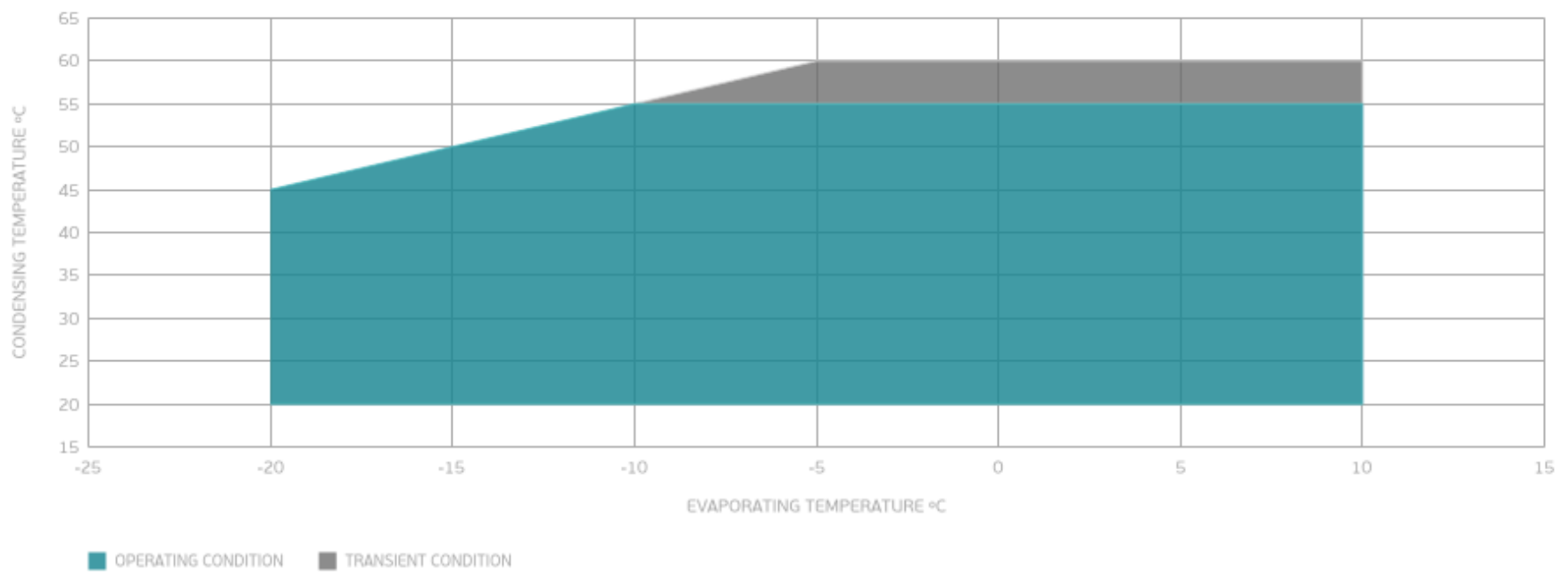
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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 |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -10 | 1932 | 1.75 | 1105 | 5.39 | 52.80 |
| -5 | 2443 | 1.97 | 1242 | 5.91 | 67.41 |
| 0 | 3032 | 2.19 | 1386 | 6.42 | 84.61 |
| 5 | 3702 | 2.42 | 1530 | 6.94 | 104.64 |
| 10 | 4457 | 2.68 | 1663 | 7.45 | 127.75 |

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



External

EXTERNAL CHARACTERISTICS

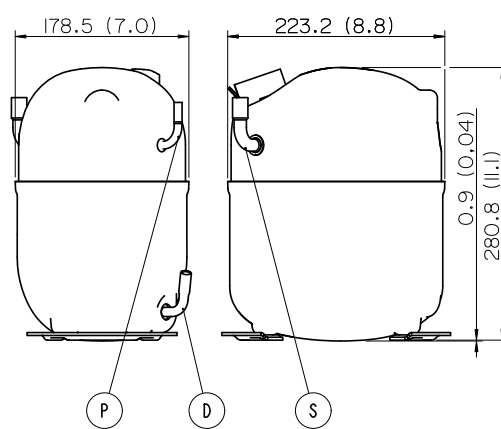
Base Plate LARGE

Tray Holder NO

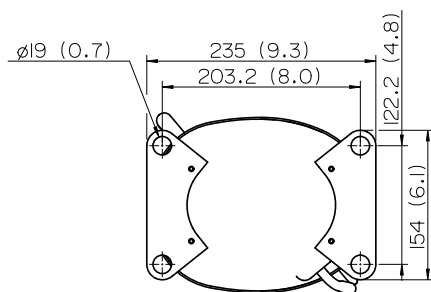
| Connector | Internal Diameter | Shape | Material |
|-----------|-------------------|-----------|----------|
| Suction | 12.77 mm | VERTICAL | COPPER |
| Discharge | 8 mm | SLANTED J | COPPER |
| Process | 6.42 mm | VERTICAL | COPPER |

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

