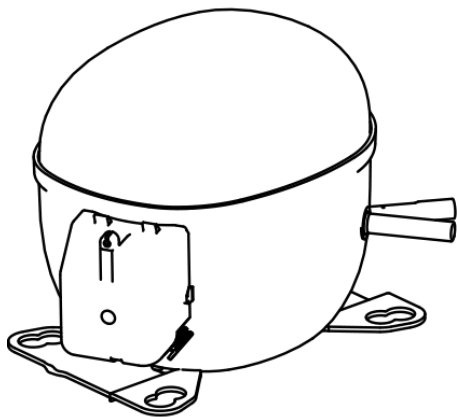


NT6224GK



**ENGINEERING CODE**  
922RA04



**REFRIGERANT**  
R-404A



**POWER SUPPLY**  
220-240 V 50 Hz



**APPLICATION**  
MBP



**MOTOR TYPE**  
CSCR



**STANDARD**  
ASHRAE



**COOLING CAPACITY**  
1776 W



**EFFICIENCY**  
1.74 W/W



DATA

GENERAL DATA

|                        |                                   |
|------------------------|-----------------------------------|
| Model                  | NT6224GK                          |
| Type                   | Hermetic Reciprocating            |
| Technology             | ON/OFF                            |
| Compressor Application | MBP                               |
| Expansion Device       | Capillary Tube or Expansion Valve |
| Compressor Cooling     | Fan/220                           |
| HP                     | 1                                 |
| Starting Torque        | HST                               |
| Plant                  | SLOVAKIA                          |

ELECTRICAL DATA

|                                  |                |
|----------------------------------|----------------|
| Start Winding Resistance         | 6.49 Ω at 25°C |
| Run Winding Resistance           | 1.69 Ω at 25°C |
| Locked Rotor Amperage (LRA) 50Hz | 29 A           |

## MECHANICAL DATA

|               |                       |
|---------------|-----------------------|
| Displacement  | 20.44 cm <sup>3</sup> |
| Oil Charge    | 450 ml                |
| Oil Type      | ESTER                 |
| Oil Viscosity | ISO22                 |
| Weight        | 17.2 Kg               |

## ELECTRICAL COMPONENTS

|                             |                 |
|-----------------------------|-----------------|
| Start Capacitor             | 88-108 µf/330 V |
| Run Capacitor               | 25.0 µf/440 V   |
| CSR CSIR BOX                | Yes             |
| Starting Device Description | RVA4L3C-566     |
| Overload Protection         | MRA38112-3261   |

## EXTERNAL CHARACTERISTICS

|             |     |
|-------------|-----|
| Base Plate  | UNI |
| Tray Holder | NO  |

| Connector | Internal Diameter | Shape    | Material |
|-----------|-------------------|----------|----------|
| Suction   | 9.6 mm            | VERTICAL | COPPER   |
| Discharge | 6.42 mm           | VERTICAL | COPPER   |
| Process   | 6.42 mm           | VERTICAL | COPPER   |

## PERFORMANCE

### TESTED CONDITIONS

|                         |        |
|-------------------------|--------|
| Tested Refrigerant      | R-404A |
| Tested Application      | MBP    |
| Tested Standard         | ASHRAE |
| 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 |
|---------------------------|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| 54.4                      | -6.7                       | 1776               | 1.74           | 1022                | 5.08      | 48.45              |

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                        | 1368               | 1.87           | 732                 | 3.70      | 29.69              |
| -15                        | 1734               | 2.20           | 789                 | 3.96      | 37.88              |
| -10                        | 2159               | 2.52           | 857                 | 4.22      | 47.47              |
| -5                         | 2644               | 2.86           | 925                 | 4.48      | 58.55              |
| 0                          | 3189               | 3.25           | 982                 | 4.73      | 71.22              |
| 5                          | 3793               | 3.73           | 1017                | 4.98      | 85.59              |
| 10                         | 4455               | 4.37           | 1019                | 5.23      | 101.74             |

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                        | 1148               | 1.43           | 804                 | 3.90      | 27.53              |
| -15                        | 1462               | 1.70           | 858                 | 4.21      | 35.27              |
| -10                        | 1831               | 1.96           | 933                 | 4.53      | 44.48              |
| -5                         | 2256               | 2.21           | 1019                | 4.84      | 55.24              |
| 0                          | 2736               | 2.48           | 1103                | 5.16      | 67.66              |
| 5                          | 3271               | 2.78           | 1176                | 5.48      | 81.85              |
| 10                         | 3861               | 3.15           | 1226                | 5.80      | 97.89              |

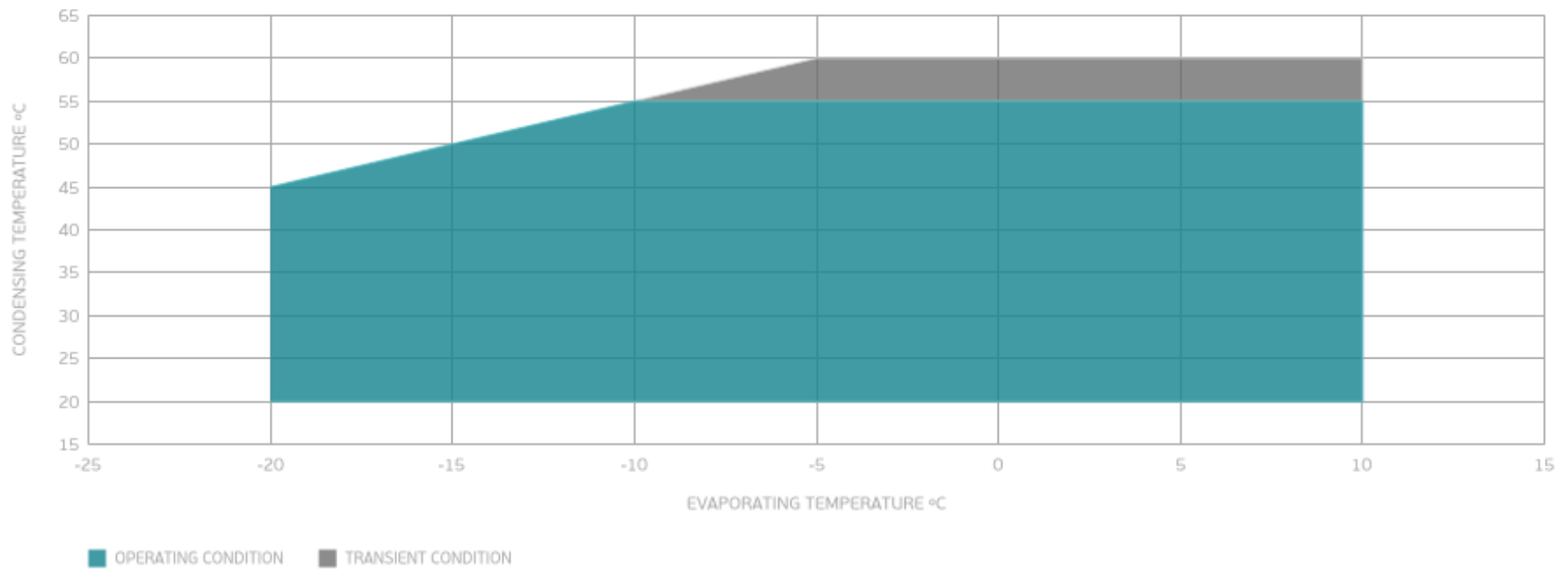
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**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                        | 1524               | 1.58           | 965                 | 4.86      | 41.66              |
| -5                         | 1883               | 1.79           | 1054                | 5.24      | 51.95              |
| 0                          | 2293               | 1.99           | 1153                | 5.63      | 63.97              |
| 5                          | 2753               | 2.20           | 1251                | 6.02      | 77.82              |
| 10                         | 3265               | 2.44           | 1337                | 6.43      | 93.59              |

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 DIMENSIONS

