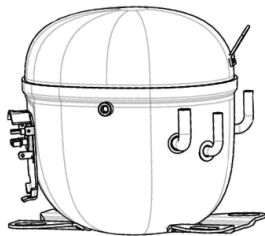


NT6222GK



ENGINEERING CODE  
922CA09



REFRIGERANT  
R-404A



POWER SUPPLY  
220-240 V 50 Hz



APPLICATION  
MBP



MOTOR TYPE  
CSCR



STANDARD  
EN12900



COOLING CAPACITY  
1338 W



EFFICIENCY  
1.63 W/W

DATA

GENERAL DATA

|                        |                                   |
|------------------------|-----------------------------------|
| Model                  | NT6222GK                          |
| 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         | 9.0 Ω at 25°C |
| Run Winding Resistance           | 2.3 Ω at 25°C |
| Locked Rotor Amperage (LRA) 50Hz | 30 A          |

MECHANICAL DATA

|               |                       |
|---------------|-----------------------|
| Displacement  | 17.39 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 |
| CSR CSIR BOX        | Yes             |
| Overload Protection | T0624/G9        |

EXTERNAL CHARACTERISTICS

|            |     |
|------------|-----|
| Base Plate | UNI |
|------------|-----|

| Connector | Internal Diameter | Shape                          | Material |
|-----------|-------------------|--------------------------------|----------|
| Suction   | 12.7 mm           | ROTOLOCK(EX. THR. 1"-14UNS-2A) | STEEL    |
| Discharge | 6.42 mm           | VERTICAL                       | COPPER   |
| Process   | 6.42 mm           | VERTICAL                       | COPPER   |

PERFORMANCE

TESTED CONDITIONS

|                         |         |
|-------------------------|---------|
| Tested Refrigerant      | R-404A  |
| Tested Application      | MBP     |
| 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<br>°C                                                                              | Evaporating Temperature<br>°C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|-----------------------------------------------------------------------------------------------------------|-------------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| 45                                                                                                        | -10                           | 1338               | 1.63           | 823                 | -         | 40.17              |
| 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 |
|-----------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -20                                                                                                       | 1052               | 1.58           | 664                 | -         | 27.24              |
| -15                                                                                                       | 1310               | 1.86           | 702                 | -         | 34.26              |
| -10                                                                                                       | 1619               | 2.14           | 756                 | -         | 42.69              |
| -5                                                                                                        | 1981               | 2.43           | 814                 | -         | 52.76              |
| 0                                                                                                         | 2399               | 2.77           | 866                 | -         | 64.69              |
| 5                                                                                                         | 2873               | 3.19           | 902                 | -         | 78.67              |
| 10                                                                                                        | 3405               | 3.74           | 910                 | -         | 94.94              |
| Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation. |                    |                |                     |           |                    |

## PERFORMANCE CURVE

### Condensing Temperature 45°C

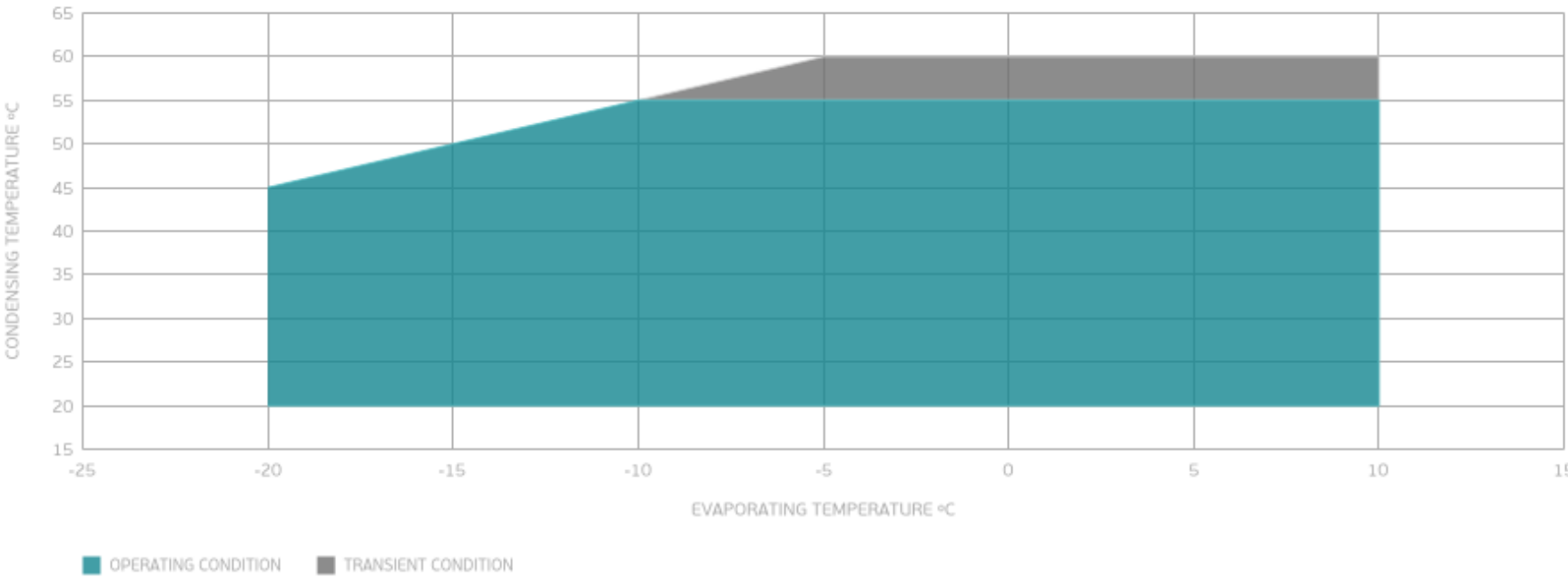
| Evaporating Temperature °C                                                                                | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|-----------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -20                                                                                                       | 863                | 1.17           | 738                 | -         | 25.43              |
| -15                                                                                                       | 1080               | 1.41           | 768                 | -         | 32.12              |
| -10                                                                                                       | 1338               | 1.63           | 823                 | -         | 40.17              |
| -5                                                                                                        | 1640               | 1.84           | 892                 | -         | 49.82              |
| 0                                                                                                         | 1987               | 2.06           | 964                 | -         | 61.27              |
| 5                                                                                                         | 2382               | 2.31           | 1029                | -         | 74.74              |
| 10                                                                                                        | 2825               | 2.63           | 1076                | -         | 90.45              |
| 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 |
|-----------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -10                                                                                                       | 1045               | 1.25           | 838                 | -         | 37.01              |
| -5                                                                                                        | 1284               | 1.42           | 907                 | -         | 46.16              |
| 0                                                                                                         | 1560               | 1.58           | 989                 | -         | 57.07              |
| 5                                                                                                         | 1873               | 1.74           | 1073                | -         | 69.95              |
| 10                                                                                                        | 2224               | 1.94           | 1148                | -         | 85.03              |
| Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation. |                    |                |                     |           |                    |

ENVELOPE



EXTERNAL DIMENSIONS

