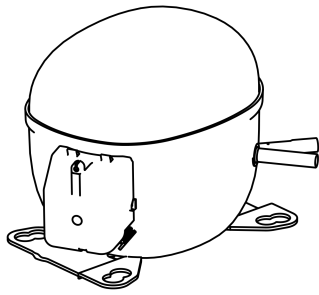


NT6222U



ENGINEERING CODE  
842EA04



REFRIGERANT  
R-290



POWER SUPPLY  
220-240 V 50 Hz



APPLICATION  
MBP



MOTOR TYPE  
CSCR



STANDARD  
EN12900



COOLING CAPACITY  
1407 W



EFFICIENCY  
1.91 W/W

DATA

GENERAL DATA

|                        |                                   |
|------------------------|-----------------------------------|
| Model                  | NT6222U                           |
| 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 |

MECHANICAL DATA

|               |                       |
|---------------|-----------------------|
| Displacement  | 20.44 cm <sup>3</sup> |
| Oil Charge    | 450 ml                |
| Oil Type      | AB                    |
| Oil Viscosity | ISO32                 |
| Weight        | 17 Kg                 |

ELECTRICAL COMPONENTS

|                             |                |
|-----------------------------|----------------|
| Start Capacitor             | 43-53 µf/330 V |
| Run Capacitor               | 15.0 µf/440 V  |
| CSR CSIR BOX                | Yes            |
| Starting Device Description | RVA4AL3C-560   |
| Overload Protection         | T0485/G9       |

PERFORMANCE

TESTED CONDITIONS

|                         |         |
|-------------------------|---------|
| Tested Refrigerant      | R-290   |
| Tested Application      | MBP     |
| Tested Standard         | EN12900 |
| Tested Cooling          | Fan     |
| Tested Voltage          | 220 V   |
| Max Refrigerant Charge  | 400 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                           | 1407               | 1.91           | 735                 | -         | 17.31              |

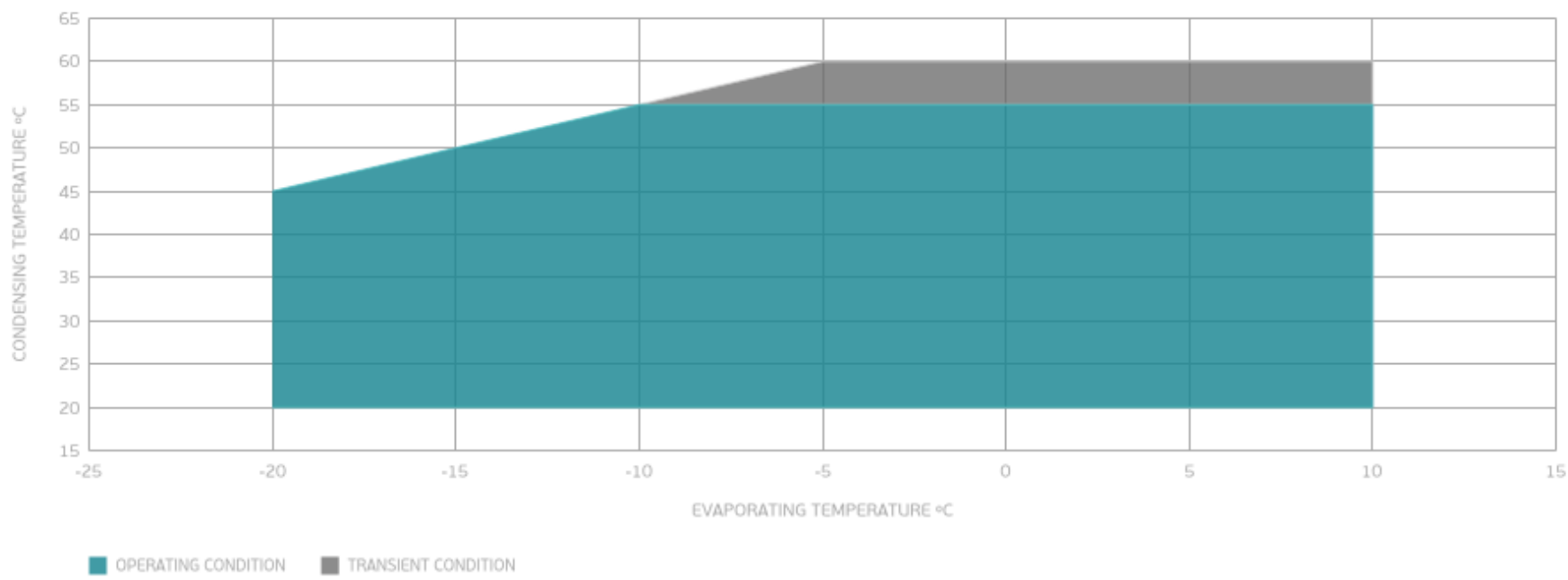
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

| 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                                                                                                       | 1063               | 1.84           | 579                 | -                           | 11.78              |
| -15                                                                                                       | 1329               | 2.10           | 632                 | -                           | 14.82              |
| -10                                                                                                       | 1638               | 2.41           | 681                 | -                           | 18.34              |
| -5                                                                                                        | 1993               | 2.77           | 720                 | -                           | 22.45              |
| 0                                                                                                         | 2401               | 3.23           | 744                 | -                           | 27.24              |
| 5                                                                                                         | 2865               | 3.84           | 746                 | -                           | 32.81              |
| 10                                                                                                        | 3391               | 4.71           | 719                 | -                           | 39.25              |
| 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                                                                                                       | 885                | 1.45           | 608                 | -                           | 10.76              |
| -15                                                                                                       | 1128               | 1.68           | 671                 | -                           | 13.80              |
| -10                                                                                                       | 1407               | 1.91           | 735                 | -                           | 17.31              |
| -5                                                                                                        | 1727               | 2.17           | 795                 | -                           | 21.39              |
| 0                                                                                                         | 2092               | 2.47           | 846                 | -                           | 26.14              |
| 5                                                                                                         | 2509               | 2.85           | 880                 | -                           | 31.65              |
| 10                                                                                                        | 2980               | 3.34           | 892                 | -                           | 38.01              |
| 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                                                                                                       | 1165               | 1.54           | 755                 | -                           | 16.00              |
| -5                                                                                                        | 1449               | 1.74           | 831                 | -                           | 20.06              |
| 0                                                                                                         | 1772               | 1.97           | 901                 | -                           | 24.77              |
| 5                                                                                                         | 2140               | 2.22           | 962                 | -                           | 30.23              |
| 10                                                                                                        | 2557               | 2.54           | 1006                | -                           | 36.53              |
| Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation. |                    |                |                     |                             |                    |

ENVELOPE



External

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   |

EXTERNAL DIMENSIONS

