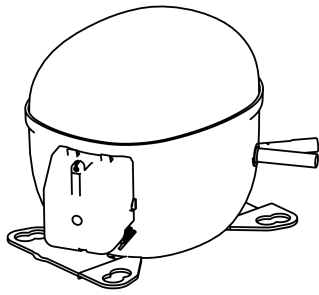


NT6230U



ENGINEERING CODE  
843EA02



REFRIGERANT  
R-290



POWER SUPPLY  
220-240 V 50 Hz



APPLICATION  
MBP



MOTOR TYPE  
CSCR



STANDARD  
EN12900



COOLING CAPACITY  
1926 W



EFFICIENCY  
1.95 W/W



DATA

GENERAL DATA

|                        |                                   |
|------------------------|-----------------------------------|
| Model                  | NT6230U                           |
| 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 | 7.56 Ω at 25°C |
| Run Winding Resistance   | 2.22 Ω at 25°C |

MECHANICAL DATA

|               |          |
|---------------|----------|
| Displacement  | 27.8 cm³ |
| Oil Charge    | 450 ml   |
| Oil Type      | AB       |
| Oil Viscosity | ISO32    |
| Weight        | 16.6 Kg  |

ELECTRICAL COMPONENTS

|                             |                       |
|-----------------------------|-----------------------|
| Start Capacitor             | 130-156 µf/330 V      |
| Run Capacitor               | 20.0 µf/400 V         |
| CSR CSIR BOX                | Yes                   |
| Starting Device Description | RVA403C-123           |
| Overload Protection         | USP-553-84 (internal) |

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 °C | Evaporating Temperature °C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|---------------------------|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| 45                        | -10                        | 1926               | 1.95           | 989                 | 4.84      | 23.7               |

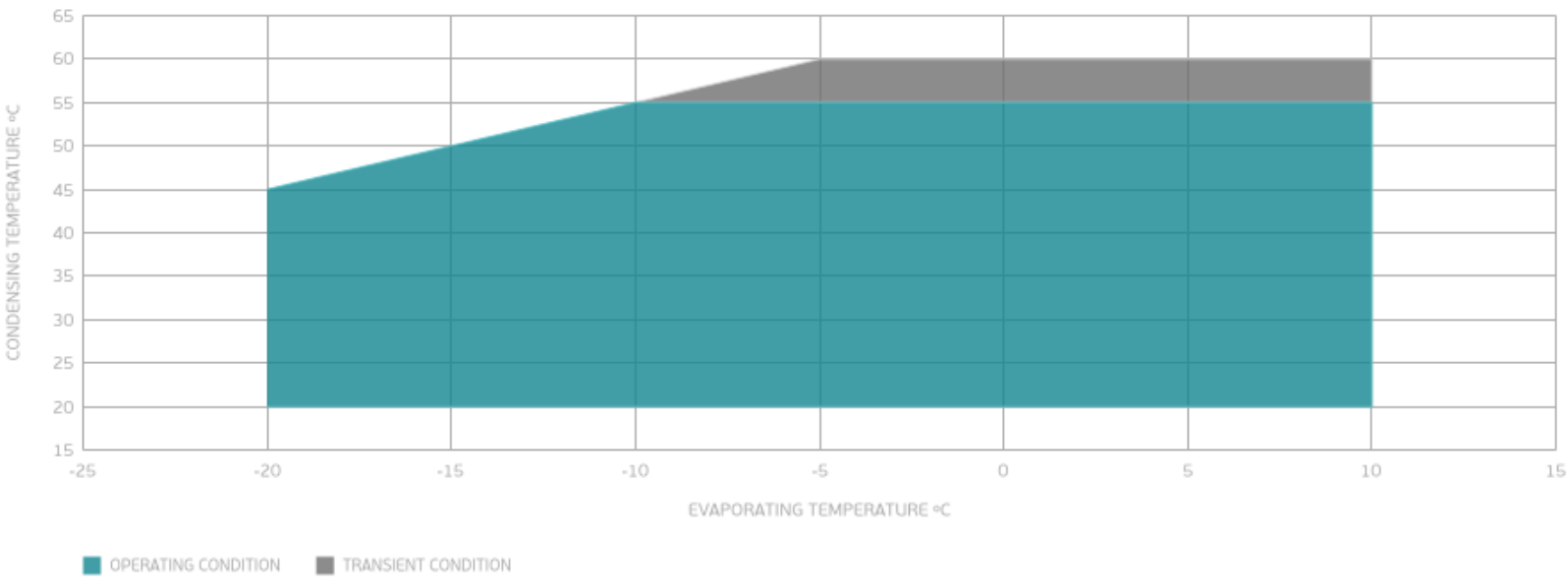
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

| 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                                                                                                                                           | 1471               | 1.88           | 783                 | 4.00                        | 16.30              |
| -15                                                                                                                                           | 1834               | 2.17           | 844                 | 4.25                        | 20.44              |
| -10                                                                                                                                           | 2260               | 2.48           | 913                 | 4.52                        | 25.32              |
| -5                                                                                                                                            | 2755               | 2.81           | 980                 | 4.80                        | 31.04              |
| 0                                                                                                                                             | 3323               | 3.20           | 1040                | 5.08                        | 37.71              |
| 5                                                                                                                                             | 3968               | 3.67           | 1082                | 5.37                        | 45.44              |
| 10                                                                                                                                            | 4697               | 4.28           | 1099                | 5.67                        | 54.34              |
| Test Condition: Subcooling 0 K, Return Gas 20 °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                                                                                                                                           | 1244               | 1.47           | 849                 | 4.21                        | 15.14              |
| -15                                                                                                                                           | 1555               | 1.71           | 909                 | 4.51                        | 19.03              |
| -10                                                                                                                                           | 1926               | 1.95           | 989                 | 4.84                        | 23.70              |
| -5                                                                                                                                            | 2361               | 2.18           | 1082                | 5.18                        | 29.25              |
| 0                                                                                                                                             | 2866               | 2.43           | 1178                | 5.55                        | 35.80              |
| 5                                                                                                                                             | 3444               | 2.71           | 1270                | 5.93                        | 43.46              |
| 10                                                                                                                                            | 4100               | 3.04           | 1349                | 6.32                        | 52.32              |
| Test Condition: Subcooling 0 K, Return Gas 20 °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                                                                                                                                           | 1617               | 1.56           | 1036                | 5.25                        | 22.21              |
| -5                                                                                                                                            | 1987               | 1.75           | 1137                | 5.68                        | 27.51              |
| 0                                                                                                                                             | 2422               | 1.93           | 1255                | 6.15                        | 33.85              |
| 5                                                                                                                                             | 2926               | 2.12           | 1381                | 6.64                        | 41.33              |
| 10                                                                                                                                            | 3505               | 2.33           | 1507                | 7.17                        | 50.07              |
| Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines. |                    |                |                     |                             |                    |

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

