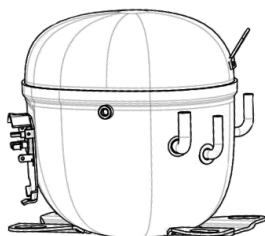


NT6222U



ENGINEERING CODE
8420A04

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
1531 W

EFFICIENCY
1.86 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 |
| Locked Rotor Amperage (LRA) 50Hz | 30 A |

MECHANICAL DATA

| | |
|---------------|-----------------------|
| Displacement | 20.44 cm ³ |
| Oil Charge | 450 ml |
| Oil Type | ESTER |
| Oil Viscosity | ISO22 |
| Weight | 17 Kg |

ELECTRICAL COMPONENTS

| | |
|---------------------|----------------|
| Start Capacitor | 43-53 µf/330 V |
| CSR CSIR BOX | Yes |
| Overload Protection | T0485/G9 |

EXTERNAL CHARACTERISTICS

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

| 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-290 |
| Tested Application | MBP |
| Tested Standard | ASHRAE |
| Tested Cooling | Fan |
| Tested Voltage | 220 V |
| Tested Frequency | 50 Hz |
| 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 |
|---------------------------|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| 54.4 | -6.7 | 1531 | 1.86 | 824 | - | 17.51 |

Test Condition: Subcooling 8.3 K, Return Gas 35 °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 | 1146 | 1.95 | 588 | - | 11.03 |
| -15 | 1439 | 2.27 | 634 | - | 13.92 |
| -10 | 1781 | 2.59 | 687 | - | 17.30 |
| -5 | 2176 | 2.95 | 737 | - | 21.22 |
| 0 | 2630 | 3.38 | 778 | - | 25.78 |
| 5 | 3146 | 3.93 | 801 | - | 31.04 |
| 10 | 3729 | 4.67 | 799 | - | 37.08 |

Test Condition: Subcooling 8.3 K, Return Gas 35 °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 | 974 | 1.52 | 642 | - | 10.14 |
| -15 | 1235 | 1.79 | 689 | - | 12.90 |
| -10 | 1541 | 2.05 | 751 | - | 16.17 |
| -5 | 1898 | 2.32 | 818 | - | 20.01 |
| 0 | 2310 | 2.62 | 883 | - | 24.51 |
| 5 | 2781 | 2.97 | 938 | - | 29.72 |
| 10 | 3317 | 3.40 | 975 | - | 35.74 |

Test Condition: Subcooling 8.3 K, Return Gas 35 °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 | 1315 | 1.69 | 776 | - | 15.06 |
| -5 | 1629 | 1.91 | 851 | - | 18.78 |
| 0 | 1996 | 2.14 | 932 | - | 23.17 |
| 5 | 2419 | 2.39 | 1010 | - | 28.30 |
| 10 | 2904 | 2.69 | 1079 | - | 34.24 |

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data are an indication of performance based simulation.

ENVELOPE



EXTERNAL DIMENSIONS

