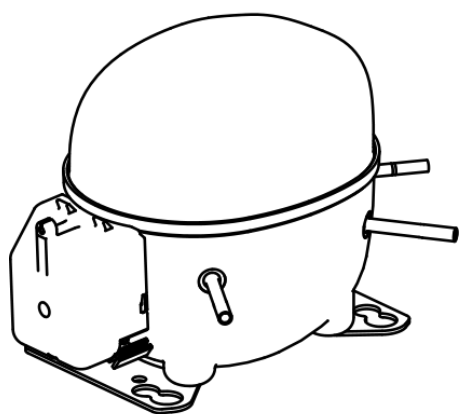


NEU6220U



ENGINEERING CODE
863MA51



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
MBP



MOTOR TYPE
CSCR



STANDARD
EN12900



COOLING CAPACITY
1284 W



EFFICIENCY
2.03 W/W

DATA

GENERAL DATA

| | |
|------------------------|-----------------------------------|
| Model | NEU6220U |
| Type | Hermetic Reciprocating |
| Technology | ON/OFF |
| Compressor Application | MBP |
| Expansion Device | Capillary Tube or Expansion Valve |
| Compressor Cooling | Fan/220 |
| HP | 3/4 |
| Starting Torque | HST |
| Plant | SLOVAKIA |

ELECTRICAL DATA

| | |
|----------------------------------|-----------------|
| Start Winding Resistance | 11.03 Ω at 25°C |
| Run Winding Resistance | 5.15 Ω at 25°C |
| Locked Rotor Amperage (LRA) 50Hz | 22 A |

MECHANICAL DATA

| | |
|---------------|----------------------|
| Displacement | 16.8 cm ³ |
| Oil Charge | 350 ml |
| Oil Type | AB |
| Oil Viscosity | ISO32 |
| Weight | 11.6 Kg |

ELECTRICAL COMPONENTS

| | |
|---------------------|-----------------|
| Start Capacitor | 88-108 µf/330 V |
| CSR CSIR BOX | Yes |
| Overload Protection | T0964/G9 |

EXTERNAL CHARACTERISTICS

| | |
|-------------|-------|
| Base Plate | SMALL |
| Tray Holder | NO |

| Connector | Internal Diameter | Shape | Material |
|-----------|-------------------|-------------|----------|
| Suction | 8.1 mm | SLANTED 42° | COPPER |
| Discharge | 6.1 mm | STRAIGHT | COPPER |
| Process | 6.1 mm | SLANTED 42° | COPPER |

PERFORMANCE

TESTED CONDITIONS

| | |
|-------------------------|---------|
| Tested Refrigerant | R-290 |
| Tested Application | MBP |
| Tested Standard | EN12900 |
| Tested Cooling | Fan |
| Tested Voltage | 220 V |
| Tested Frequency | 50 Hz |
| 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 | 1284 | 2.03 | 632 | - | 15.8 |

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 | 979 | 2.00 | 489 | - | 10.85 |
| -15 | 1202 | 2.28 | 528 | - | 13.40 |
| -10 | 1464 | 2.56 | 572 | - | 16.39 |
| -5 | 1763 | 2.86 | 616 | - | 19.87 |
| 0 | 2103 | 3.22 | 653 | - | 23.87 |
| 5 | 2483 | 3.66 | 678 | - | 28.43 |
| 10 | 2904 | 4.24 | 685 | - | 33.60 |

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 | 855 | 1.58 | 543 | - | 10.41 |
| -15 | 1053 | 1.81 | 582 | - | 12.89 |
| -10 | 1284 | 2.03 | 632 | - | 15.80 |
| -5 | 1549 | 2.25 | 689 | - | 19.20 |
| 0 | 1849 | 2.48 | 744 | - | 23.10 |
| 5 | 2185 | 2.75 | 794 | - | 27.56 |
| 10 | 2558 | 3.08 | 831 | - | 32.62 |

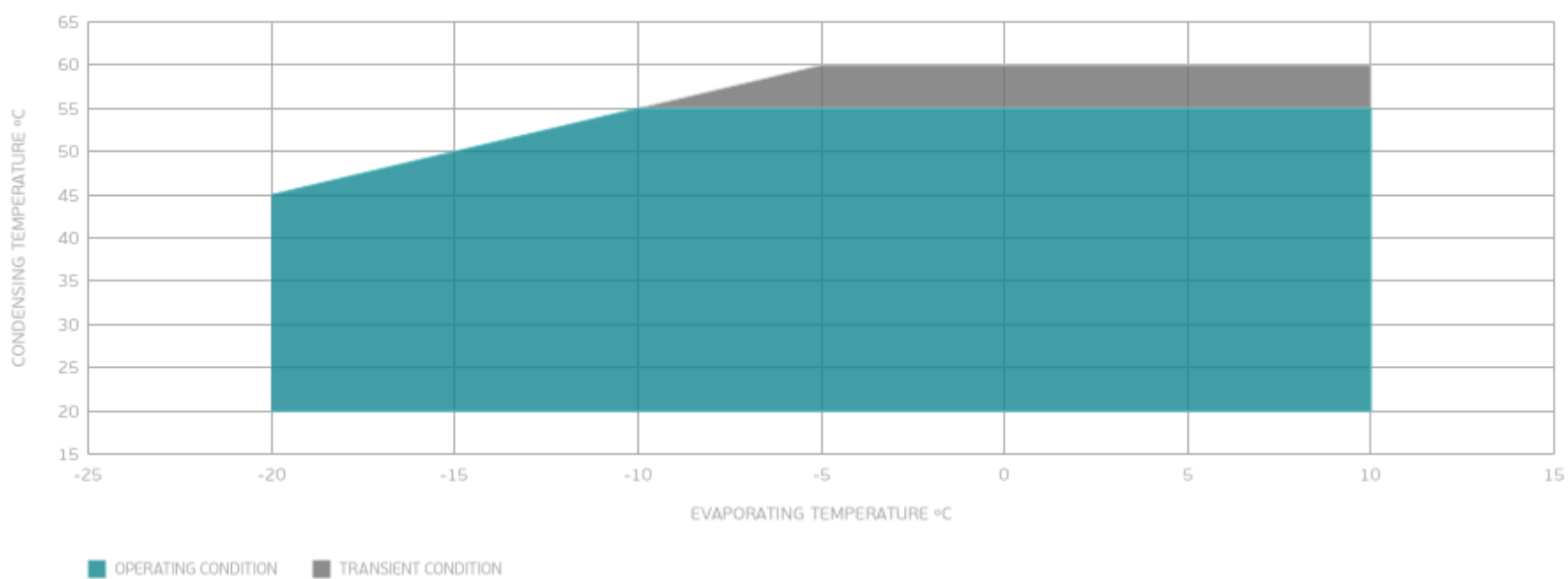
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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 | 1099 | 1.66 | 663 | - | 15.09 |
| -5 | 1328 | 1.83 | 724 | - | 18.38 |
| 0 | 1588 | 2.01 | 791 | - | 22.18 |
| 5 | 1879 | 2.19 | 857 | - | 26.53 |
| 10 | 2202 | 2.40 | 917 | - | 31.47 |

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

ENVELOPE



EXTERNAL DIMENSIONS

