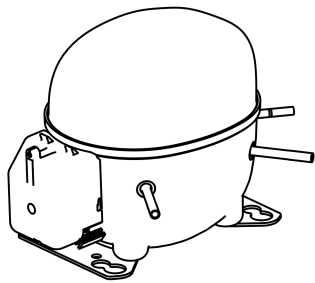


NEU6214Z



ENGINEERING CODE  
269NA51



REFRIGERANT  
R-134a



POWER SUPPLY  
220-240 V 50 Hz



APPLICATION  
HBP



MOTOR TYPE  
CSIR



STANDARD  
EN12900



COOLING CAPACITY  
1438 W



EFFICIENCY  
2.05 W/W

DATA

GENERAL DATA

|                        |                                   |
|------------------------|-----------------------------------|
| Model                  | NEU6214Z                          |
| Type                   | Hermetic Reciprocating            |
| Technology             | ON/OFF                            |
| Compressor Application | HBP                               |
| Expansion Device       | Capillary Tube or Expansion Valve |
| Compressor Cooling     | Fan/220                           |
| HP                     | 1/2                               |
| Starting Torque        | HST                               |
| Plant                  | SLOVAKIA                          |

ELECTRICAL DATA

|                                    |                 |
|------------------------------------|-----------------|
| Start Winding Resistance           | 14.26 Ω at 25°C |
| Run Winding Resistance             | 4.25 Ω at 25°C  |
| Locked Rotor Amperage (LRA) 50Hz   | 22 A            |
| Rated Load Amperage (HBP) at 50 Hz | 3.3 A           |

MECHANICAL DATA

|               |          |
|---------------|----------|
| Displacement  | 16.8 cm³ |
| Oil Charge    | 350 ml   |
| Oil Type      | ESTER    |
| Oil Viscosity | ISO22    |
| Weight        | 11.6 Kg  |

ELECTRICAL COMPONENTS

|                             |                  |
|-----------------------------|------------------|
| Start Capacitor             | 108-130 µf/330 V |
| CSR CSIR BOX                | No               |
| Starting Device Type        | RELAY            |
| Starting Device Description | MTRPH-0048-65*   |
| Overload Protection         | MST20APK-3259    |

PERFORMANCE

TESTED CONDITIONS

|                         |         |
|-------------------------|---------|
| Tested Refrigerant      | R-134a  |
| Tested Application      | HBP     |
| Tested Standard         | EN12900 |
| Tested Cooling          | Fan     |
| Tested Voltage          | 220 V   |
| 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 |
|---------------------------|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| 50                        | 5                          | 1438               | 2.05           | 701                 | -         | 36.08              |

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 |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -15                        | 739                | 1.93           | 382                 | -         | 15.64              |
| -10                        | 935                | 2.17           | 431                 | -         | 19.90              |
| -5                         | 1167               | 2.41           | 485                 | -         | 24.94              |
| 0                          | 1434               | 2.66           | 540                 | -         | 30.84              |
| 5                          | 1739               | 2.94           | 591                 | -         | 37.67              |
| 10                         | 2082               | 3.28           | 634                 | -         | 45.51              |

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 |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -15                        | 646                | 1.55           | 416                 | -         | 14.99              |
| -10                        | 821                | 1.76           | 467                 | -         | 19.16              |
| -5                         | 1028               | 1.94           | 530                 | -         | 24.11              |
| 0                          | 1267               | 2.11           | 601                 | -         | 29.92              |
| 5                          | 1540               | 2.28           | 676                 | -         | 36.66              |
| 10                         | 1847               | 2.46           | 750                 | -         | 44.41              |

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

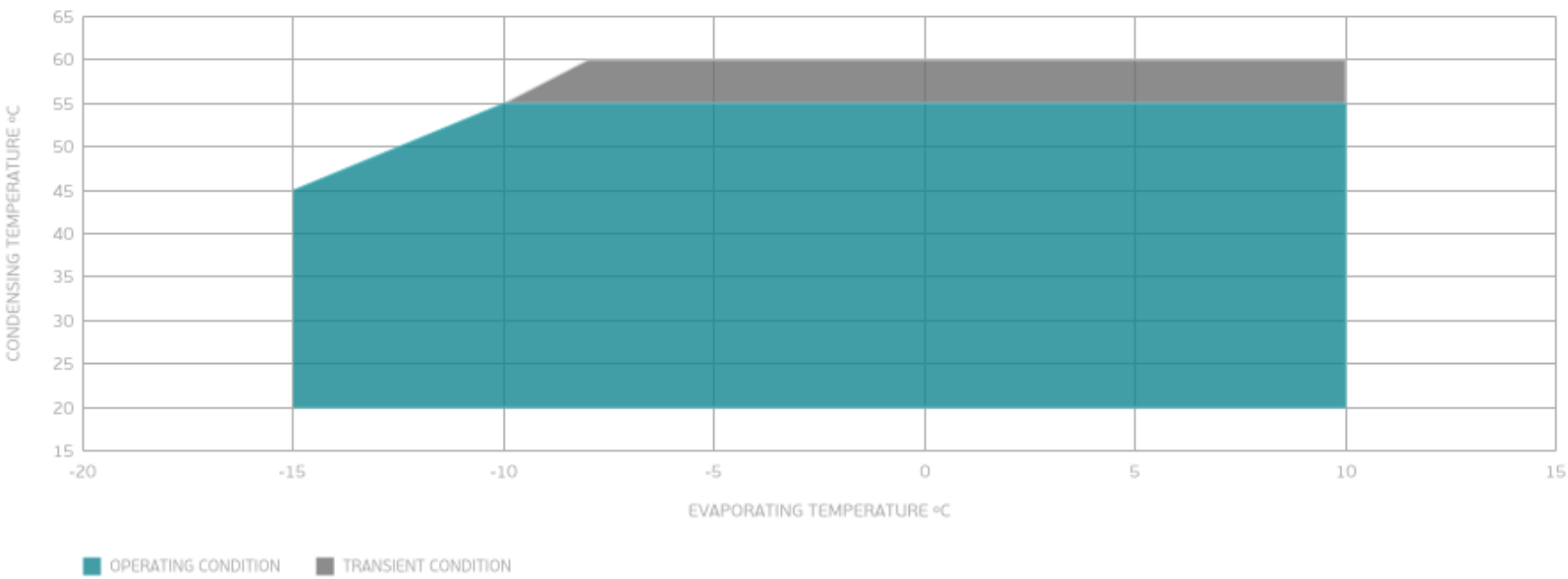
PERFORMANCE CURVE

Condensing Temperature 55°C

| Evaporating Temperature °C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -10                        | 705                | 1.45           | 488                 | -         | 18.29              |
| -5                         | 886                | 1.61           | 550                 | -         | 23.13              |
| 0                          | 1096               | 1.75           | 627                 | -         | 28.82              |
| 5                          | 1336               | 1.87           | 715                 | -         | 35.45              |
| 10                         | 1606               | 1.98           | 810                 | -         | 43.08              |

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

ENVELOPE



External

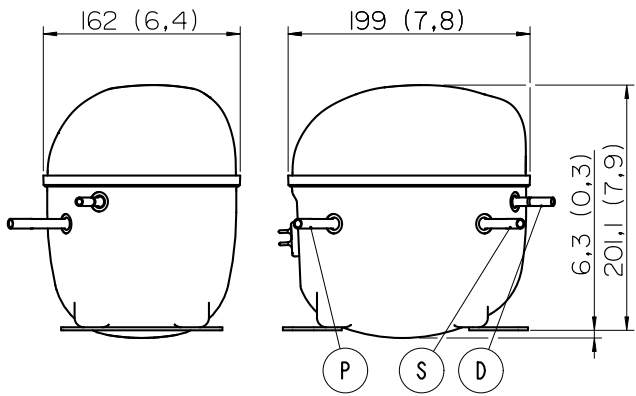
EXTERNAL CHARACTERISTICS

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

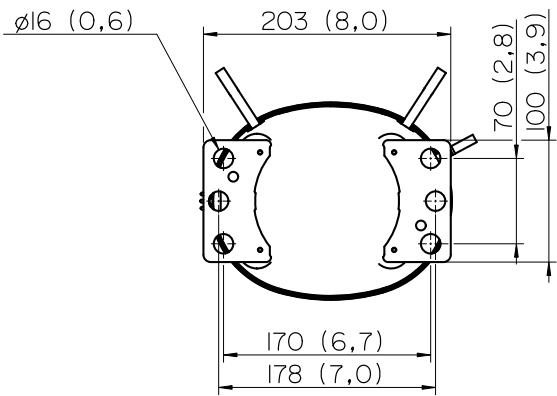
| Connector | Internal Diameter | Shape       | Material |
|-----------|-------------------|-------------|----------|
| Suction   | 8.1 mm            | SLANTED 42° | COPPER   |
| Discharge | 6.1 mm            | STRAIGHT    | COPPER   |
| Process   | 6.1 mm            | SLANTED 42° | COPPER   |

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

