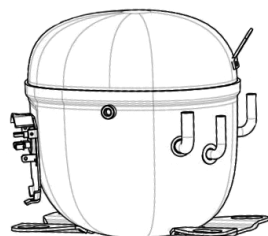


NT6215Z



**ENGINEERING CODE**  
211AC06

**REFRIGERANT**  
R-134a

**POWER SUPPLY**  
220 V 50 Hz

**APPLICATION**  
HBP

**MOTOR TYPE**  
CSIR

**STANDARD**  
ASHRAE

**COOLING CAPACITY**  
1262 W

**EFFICIENCY**  
2.3 W/W



DATA

GENERAL DATA

|                        |                                   |
|------------------------|-----------------------------------|
| Model                  | NT6215Z                           |
| 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         | 19.25 Ω at 25°C |
| Run Winding Resistance           | 3.0 Ω at 25°C   |
| Locked Rotor Amperage (LRA) 50Hz | 20.7 A          |

## MECHANICAL DATA

|               |                       |
|---------------|-----------------------|
| Displacement  | 17.39 cm <sup>3</sup> |
| Oil Charge    | 450 ml                |
| Oil Type      | ESTER                 |
| Oil Viscosity | ISO22                 |
| Weight        | 17 Kg                 |

## ELECTRICAL COMPONENTS

|                      |                |
|----------------------|----------------|
| Start Capacitor      | 64-77 µf/330 V |
| CSR CSIR BOX         | No             |
| Starting Device Type | RELAY          |
| Overload Protection  | T0634/G6       |

## EXTERNAL CHARACTERISTICS

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

| Connector | Internal Diameter | Shape       | Material |
|-----------|-------------------|-------------|----------|
| Suction   | 9.6 mm            | SLANTED 42° | COPPER   |
| Discharge | 6.42 mm           | STRAIGHT    | COPPER   |
| Process   | 6.42 mm           | VERTICAL    | COPPER   |

## PERFORMANCE

### TESTED CONDITIONS

|                         |        |
|-------------------------|--------|
| Tested Refrigerant      | R-134a |
| Tested Application      | HBP    |
| Tested Standard         | ASHRAE |
| Tested Cooling          | Fan    |
| Tested Voltage          | 220 V  |
| Tested Frequency        | 50 Hz  |
| Max Refrigerant Charge  | 800 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                      | 7.2                        | 1626               | 2.3            | 708                 | 4.39      | 35.98              |

Test Condition: Subcooling 8.3 K, Return Gas 35 °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 |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -15                        | 790                | 1.91           | 414                 | 3.57      | 14.57              |
| -10                        | 1011               | 2.24           | 452                 | 3.65      | 18.72              |
| -5                         | 1275               | 2.60           | 491                 | 3.74      | 23.69              |
| 0                          | 1584               | 3.02           | 524                 | 3.83      | 29.57              |
| 5                          | 1942               | 3.56           | 546                 | 3.91      | 36.45              |
| 10                         | 2351               | 4.29           | 548                 | 4.00      | 44.41              |

Test Condition: Subcooling 8.3 K, Return Gas 35 °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 |
|----------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -15                        | 674                | 1.50           | 450                 | 3.62      | 13.44              |
| -10                        | 876                | 1.79           | 490                 | 3.73      | 17.52              |
| -5                         | 1114               | 2.07           | 539                 | 3.85      | 22.39              |
| 0                          | 1393               | 2.36           | 590                 | 3.98      | 28.12              |
| 5                          | 1714               | 2.70           | 636                 | 4.11      | 34.81              |
| 10                         | 2081               | 3.10           | 670                 | 4.24      | 42.54              |

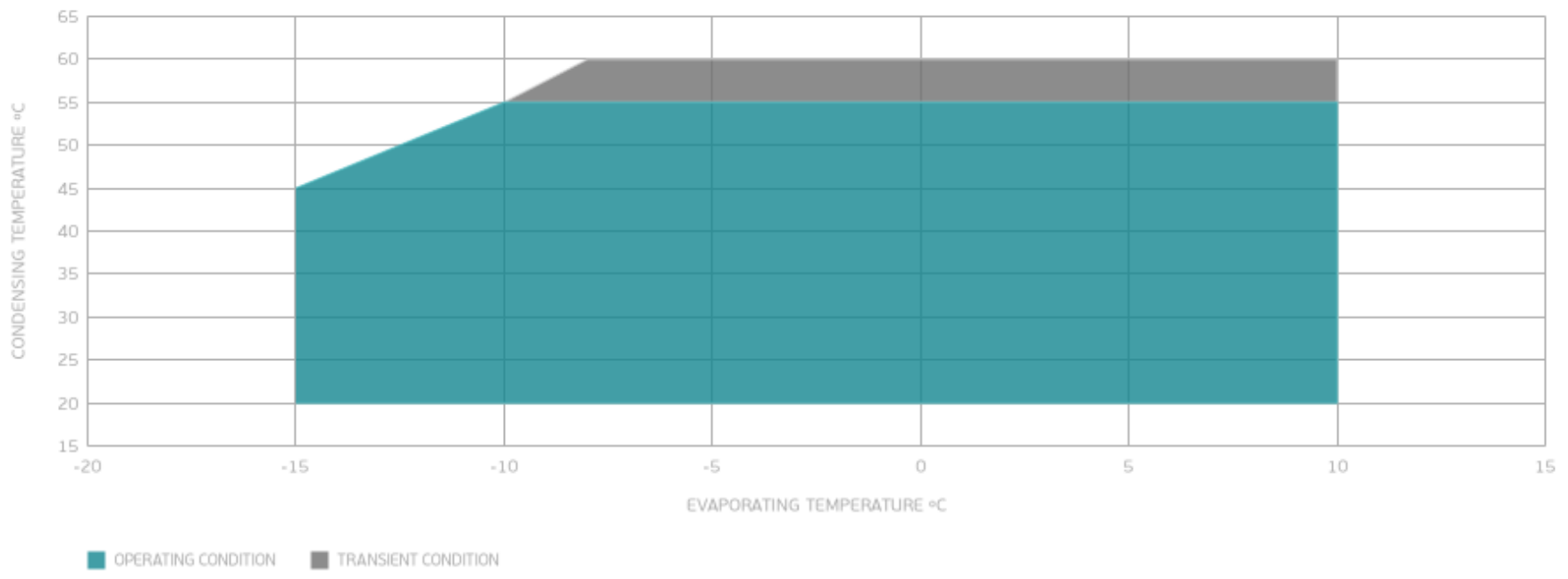
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**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                        | 722                | 1.42           | 510                 | 3.82      | 15.76              |
| -5                         | 937                | 1.67           | 561                 | 3.97      | 20.53              |
| 0                          | 1186               | 1.91           | 621                 | 4.14      | 26.13              |
| 5                          | 1472               | 2.15           | 683                 | 4.33      | 32.65              |
| 10                         | 1797               | 2.42           | 742                 | 4.52      | 40.16              |

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

## ENVELOPE



## EXTERNAL DIMENSIONS

