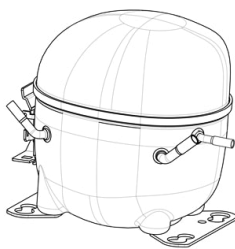


NEK2134GK



ENGINEERING CODE  
958AA54



REFRIGERANT  
R-404A



POWER SUPPLY  
220-240 V 50 Hz



APPLICATION  
LBP



MOTOR TYPE  
CSIR



STANDARD  
EN12900



COOLING CAPACITY  
245 W



EFFICIENCY  
0.97 W/W



DATA

GENERAL DATA

|                        |                                   |
|------------------------|-----------------------------------|
| Model                  | NEK2134GK                         |
| Type                   | Hermetic Reciprocating            |
| Technology             | ON/OFF                            |
| Compressor Application | LBP                               |
| Expansion Device       | Capillary Tube or Expansion Valve |
| Compressor Cooling     | Fan/220                           |
| HP                     | 1/2                               |
| Starting Torque        | HST                               |
| Plant                  | SLOVAKIA                          |

ELECTRICAL DATA

|                          |                |
|--------------------------|----------------|
| Start Winding Resistance | 31.7 Ω at 25°C |
| Run Winding Resistance   | 5.18 Ω at 25°C |

MECHANICAL DATA

|               |          |
|---------------|----------|
| Displacement  | 8.77 cm³ |
| Oil Charge    | 350 ml   |
| Oil Type      | ESTER    |
| Oil Viscosity | ISO22    |
| Weight        | 11 Kg    |

ELECTRICAL COMPONENTS

|                      |                |
|----------------------|----------------|
| Start Capacitor      | 53-64 µf/330 V |
| CSR CSIR BOX         | No             |
| Starting Device Type | RELAY          |
| Overload Protection  | T0168/G5       |

EXTERNAL CHARACTERISTICS

|             |       |
|-------------|-------|
| Base Plate  | SMALL |
| Tray Holder | YES   |

| 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-404A  |
| Tested Application      | LBP     |
| Tested Standard         | EN12900 |
| Tested Cooling          | Fan     |
| Tested Voltage          | 220 V   |
| Tested Frequency        | 50 Hz   |
| Refrigerant Temperature | Dew     |

## RATED POINTS

| Condensing Temperature<br>°C                                                                              | Evaporating Temperature<br>°C | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|-----------------------------------------------------------------------------------------------------------|-------------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| 40                                                                                                        | -35                           | 245                | 0.97           | 252                 | -         | 6.62               |
| 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 |
|-----------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -40                                                                                                       | 200                | 0.92           | 218                 | -         | 5.08               |
| -35                                                                                                       | 270                | 1.09           | 247                 | -         | 6.88               |
| -30                                                                                                       | 356                | 1.28           | 279                 | -         | 9.14               |
| -25                                                                                                       | 460                | 1.47           | 312                 | -         | 11.85              |
| -20                                                                                                       | 580                | 1.68           | 345                 | -         | 15.03              |
| -15                                                                                                       | 715                | 1.91           | 375                 | -         | 18.69              |
| -10                                                                                                       | 866                | 2.16           | 401                 | -         | 22.83              |
| Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation. |                    |                |                     |           |                    |

## PERFORMANCE CURVE

### Condensing Temperature 45°C

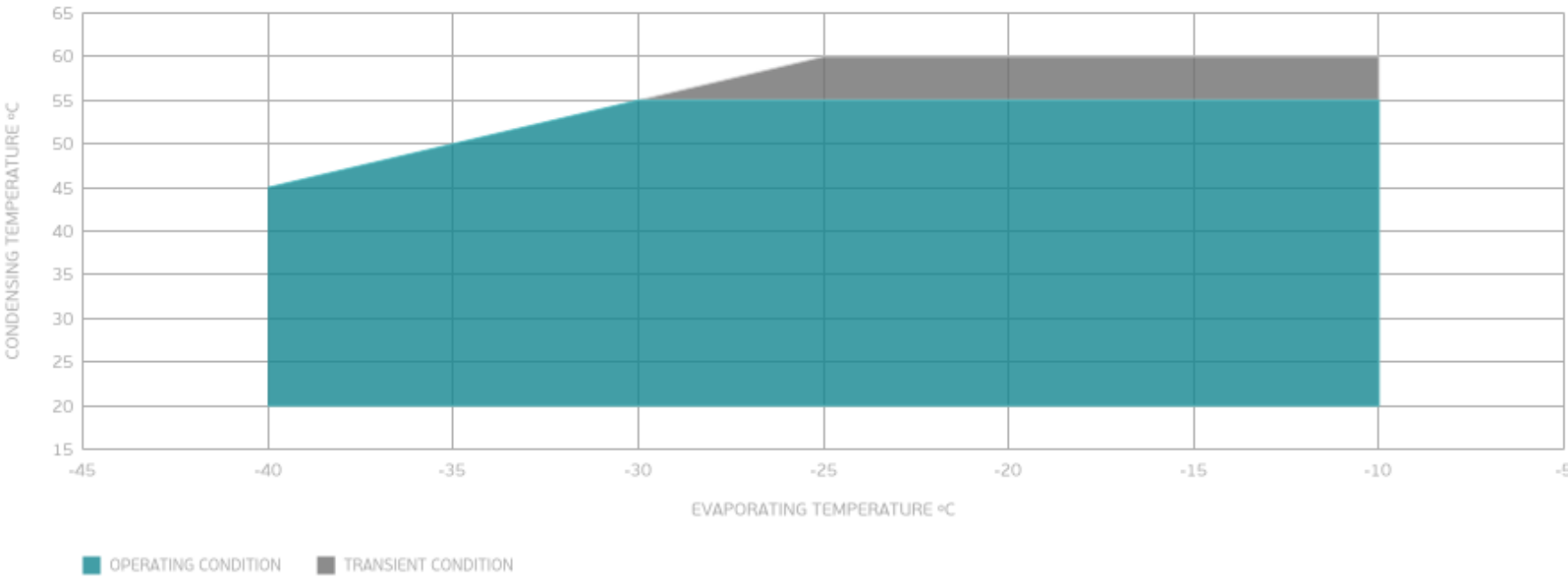
| Evaporating Temperature °C                                                                                | Cooling Capacity W | Efficiency W/W | Power Consumption W | Current A | Gas Flow Rate kg/h |
|-----------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -40                                                                                                       | 162                | 0.72           | 225                 | -         | 4.67               |
| -35                                                                                                       | 220                | 0.86           | 255                 | -         | 6.35               |
| -30                                                                                                       | 292                | 1.00           | 291                 | -         | 8.50               |
| -25                                                                                                       | 380                | 1.15           | 330                 | -         | 11.10              |
| -20                                                                                                       | 481                | 1.30           | 371                 | -         | 14.18              |
| -15                                                                                                       | 596                | 1.45           | 412                 | -         | 17.74              |
| -10                                                                                                       | 725                | 1.61           | 450                 | -         | 21.78              |
| 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 |
|-----------------------------------------------------------------------------------------------------------|--------------------|----------------|---------------------|-----------|--------------------|
| -30                                                                                                       | 228                | 0.77           | 295                 | -         | 7.78               |
| -25                                                                                                       | 298                | 0.88           | 338                 | -         | 10.25              |
| -20                                                                                                       | 380                | 0.99           | 385                 | -         | 13.19              |
| -15                                                                                                       | 474                | 1.09           | 434                 | -         | 16.62              |
| -10                                                                                                       | 580                | 1.20           | 483                 | -         | 20.54              |
| Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation. |                    |                |                     |           |                    |

ENVELOPE



EXTERNAL DIMENSIONS

