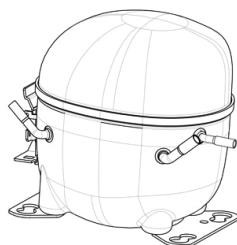



NEU2140GK



 **ENGINEERING CODE**  
958JA71

 **REFRIGERANT**  
R-404A

 **POWER SUPPLY**  
220-240 V 50 Hz

 **APPLICATION**  
LBP

 **MOTOR TYPE**  
CSIR

 **STANDARD**  
EN12900

 **COOLING CAPACITY**  
265 W

 **EFFICIENCY**  
1.1 W/W



DATA

GENERAL DATA

Model	NEU2140GK
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	24.26 Ω at 25°C
Run Winding Resistance	7.79 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	13.5 A
Rated Load Amperage (LMBP) at 50 Hz	2.6 A

## MECHANICAL DATA

Displacement	8.77 cm <sup>3</sup>
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	10.6 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	4TM757JDB MST38AMK-3259 PROTECTOR DRB210J52A

## EXTERNAL CHARACTERISTICS

Base Plate	UNI
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Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.45 mm	STRAIGHT	COPPER
Process	6.45 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 °C	Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
40	-35	265	1.1	241	-	7.19

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	219	1.07	205	-	5.56
-35	291	1.23	237	-	7.43
-30	381	1.41	270	-	9.76
-25	488	1.61	304	-	12.58
-20	614	1.82	337	-	15.92
-15	759	2.06	369	-	19.82
-10	922	2.31	398	-	24.30

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	177	0.85	208	-	5.10
-35	239	0.98	244	-	6.91
-30	315	1.11	283	-	9.17
-25	407	1.25	325	-	11.91
-20	514	1.40	368	-	15.15
-15	636	1.55	411	-	18.92
-10	775	1.70	456	-	23.27

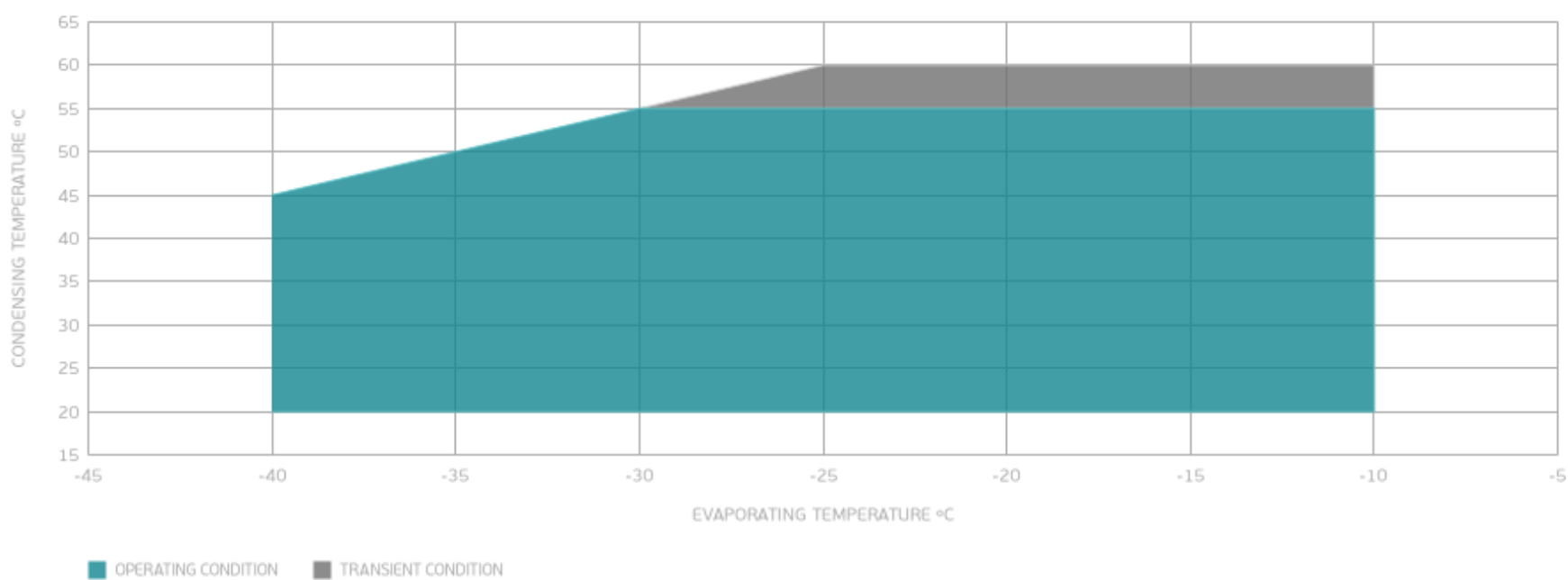
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

**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	246	0.85	290	-	8.38
-25	321	0.95	338	-	11.02
-20	408	1.05	389	-	14.16
-15	508	1.15	444	-	17.81
-10	621	1.24	500	-	22.01

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

## ENVELOPE



## EXTERNAL DIMENSIONS

