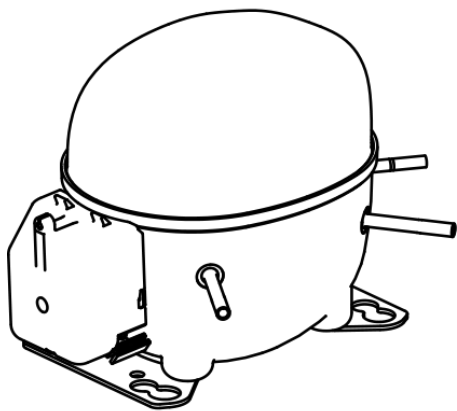


NEU6214Z



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	4.2 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

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-134a
Tested Application	HBP
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
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

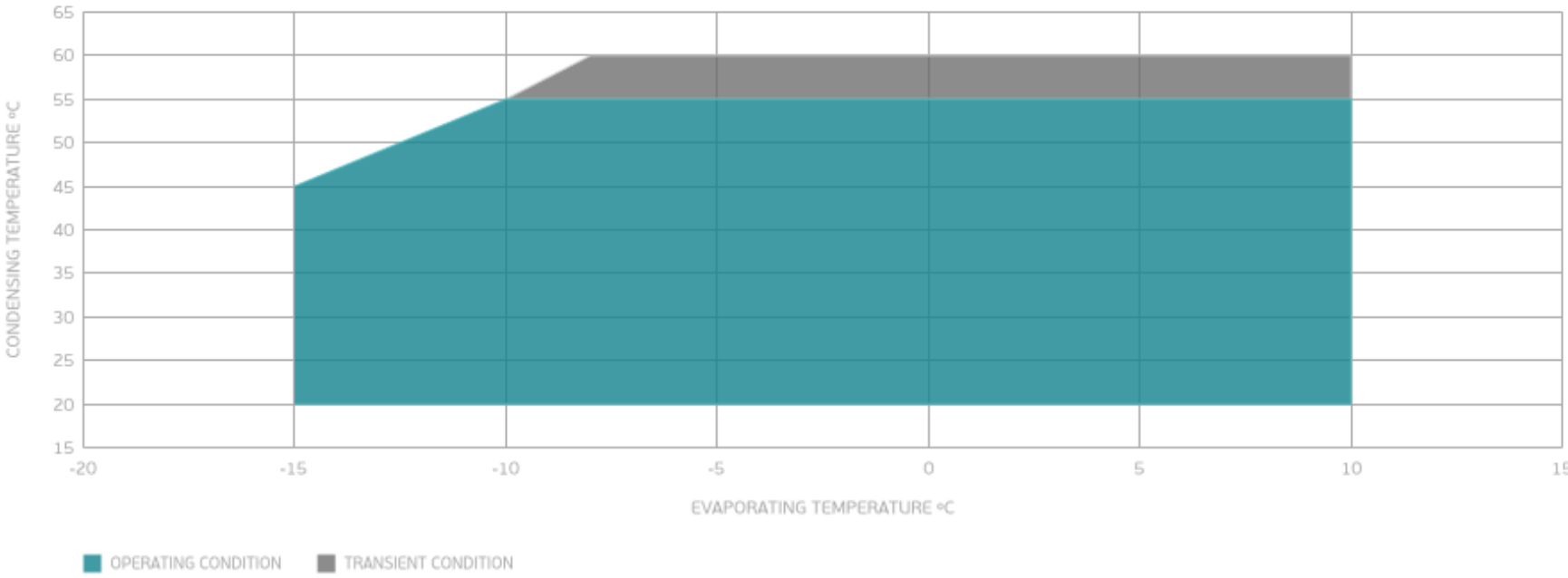
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-15	646	1.55	416	-	14.99
-10	821	1.76	467	-	19.16
-5	1028	1.94	530	-	24.11
0	1267	2.11	601	-	29.92
5	1540	2.28	676	-	36.66
10	1847	2.46	750	-	44.41
Test Condition: Subcooling 0 K, Return Gas 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 DIMENSIONS

