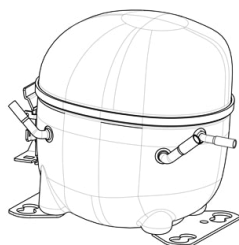


NEU6187Z



ENGINEERING CODE
267JN58

REFRIGERANT
R-134a

POWER SUPPLY
200-240 V 50
Hz/230 V 60 Hz

APPLICATION
HBP

MOTOR TYPE
CSIR

STANDARD
AHRI



COOLING CAPACITY
914 W

EFFICIENCY
2.23 W/W

DATA

GENERAL DATA

Model	NEU6187Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/3
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	null
Run Winding Resistance	null
Locked Rotor Amperage (LRA) 50Hz	13 A
Locked Rotor Amperage (LRA) 60Hz	13 A

MECHANICAL DATA

Displacement	9.99 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	10.1 Kg

ELECTRICAL COMPONENTS

Start Capacitor	43-53 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T1026

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-134a
Tested Application	HBP
Tested Standard	AHRI
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
54.4	7.2	914	2.23	410	-	24.47

Test Condition: Subcooling 0 K, Return Gas 18.3 °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	457	2.04	224	-	9.77
-10	580	2.34	248	-	12.45
-5	727	2.65	274	-	15.68
0	899	3.02	298	-	19.52
5	1099	3.47	317	-	24.03
10	1326	4.06	326	-	29.27

Test Condition: Subcooling 0 K, Return Gas 18.3 °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	398	1.61	247	-	9.32
-10	507	1.86	272	-	11.94
-5	637	2.10	303	-	15.10
0	790	2.35	336	-	18.85
5	967	2.63	368	-	23.26
10	1168	2.96	394	-	28.39

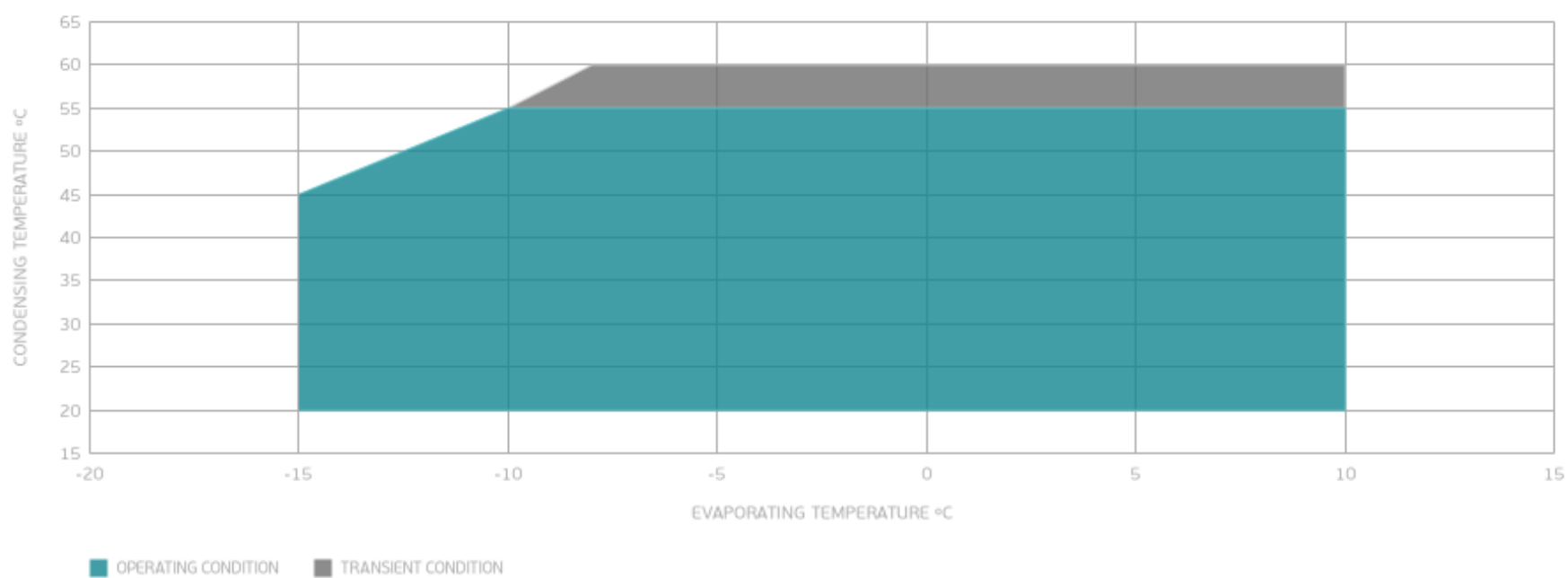
Test Condition: Subcooling 0 K, Return Gas 18.3 °C. Data are an indication of performance based simulation.

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	430	1.51	285	-	11.26
-5	543	1.72	316	-	14.33
0	676	1.91	354	-	17.98
5	830	2.11	394	-	22.29
10	1006	2.33	432	-	27.30

Test Condition: Subcooling 0 K, Return Gas 18.3 °C. Data are an indication of performance based simulation.

ENVELOPE



EXTERNAL DIMENSIONS

