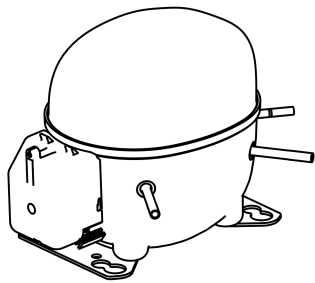


NEK6160Z



ENGINEERING CODE
267BB92



REFRIGERANT
R-134a



POWER SUPPLY
200-230 V 50
Hz/208-230 V 60
Hz



APPLICATION
HBP



STANDARD
EN12900



MOTOR TYPE
CSIR



COOLING CAPACITY
742 W



EFFICIENCY
2.29 W/W

DATA

GENERAL DATA

Model	NEK6160Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/208
HP	1/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	20.12 Ω at 25°C
Run Winding Resistance	5.3 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	13.5 A

MECHANICAL DATA

Displacement	7.28 cm³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	10.4 Kg

ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-41*
Overload Protection	MRP40AMK-3259

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	HBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	208 V
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	742	2.29	325	-	18.62

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

PERFORMANCE CURVE

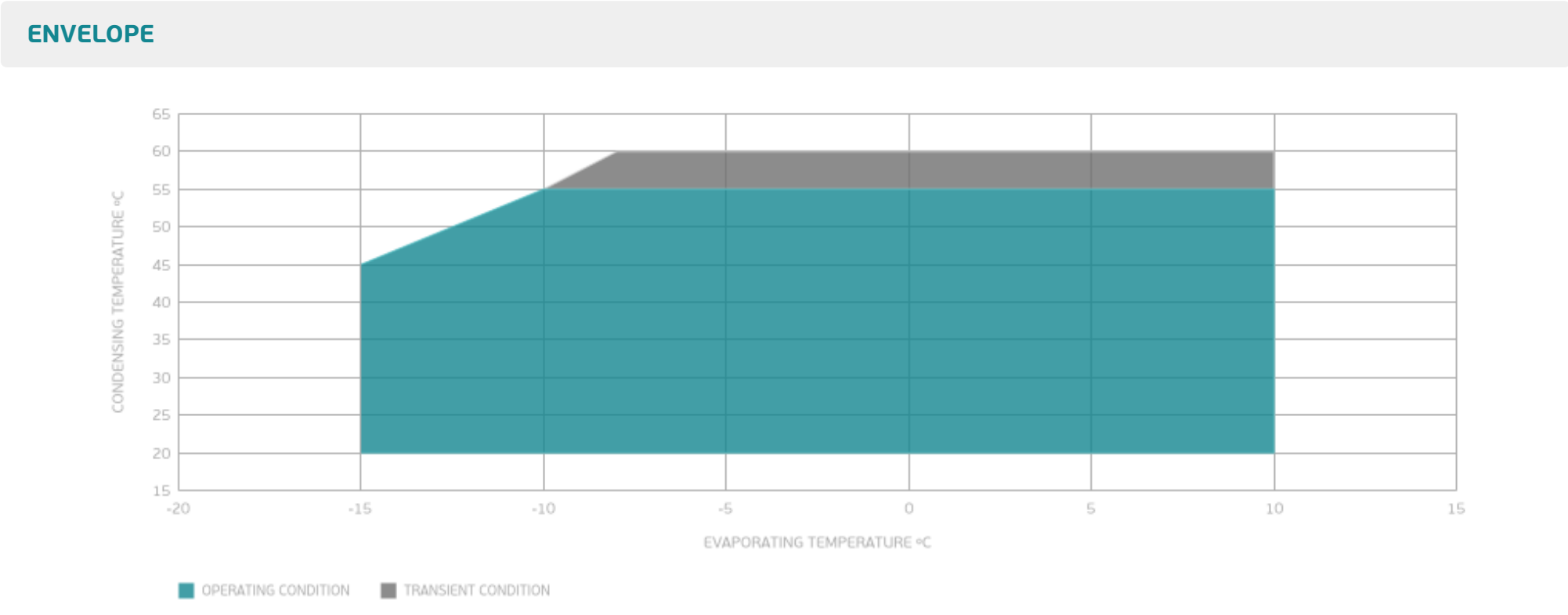
Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-15	377	1.95	193	-	7.99
-10	476	2.23	214	-	10.13
-5	595	2.54	235	-	12.72
0	737	2.90	254	-	15.84
5	905	3.38	268	-	19.60
10	1101	4.02	274	-	24.08

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	325	1.56	209	-	7.53
-10	414	1.80	230	-	9.66
-5	521	2.03	257	-	12.22
0	648	2.28	284	-	15.29
5	797	2.57	311	-	18.99
10	973	2.93	333	-	23.40
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	347	1.45	239	-	8.98
-5	441	1.65	267	-	11.51
0	553	1.85	299	-	14.55
5	685	2.05	334	-	18.19
10	840	2.29	367	-	22.53
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

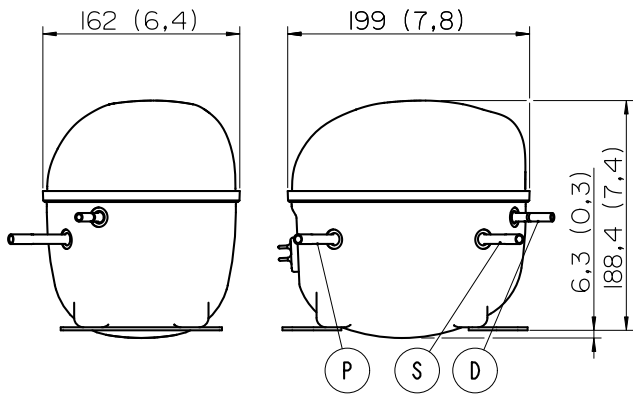


External

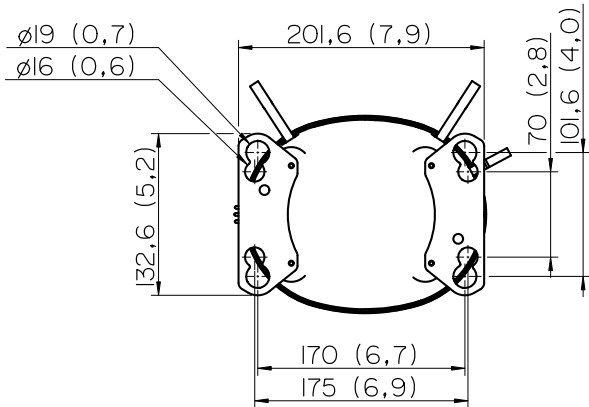
EXTERNAL CHARACTERISTICS			
Base Plate		UNI	
Tray Holder		NO	
Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.45 mm	STRAIGHT	COPPER
Process	6.45 mm	SLANTED 42°	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

