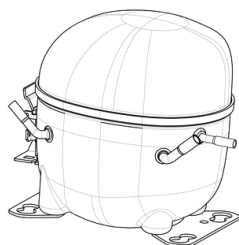



NEU2155U



 **ENGINEERING CODE**
862KA51

 **REFRIGERANT**
R-290

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

 **APPLICATION**
LBP

 **MOTOR TYPE**
CSIR

 **STANDARD**
EN12900

 **COOLING CAPACITY**
367 W

 **EFFICIENCY**
1.21 W/W



DATA

GENERAL DATA

Model	NEU2155U
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	19.29 Ω at 25°C
Run Winding Resistance	5.98 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	17.5 A
Rated Load Amperage (LMBP) at 50 Hz	3.1 A

MECHANICAL DATA

Displacement	13.54 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.1 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0056/G6

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
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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-290
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	367	1.21	303	-	4.21

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	302	1.17	258	-	3.30
-35	389	1.33	293	-	4.27
-30	501	1.52	330	-	5.51
-25	636	1.74	366	-	7.02
-20	795	1.98	402	-	8.81
-15	975	2.24	435	-	10.86
-10	1178	2.53	465	-	13.19

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	266	0.98	272	-	3.19
-35	342	1.10	311	-	4.12
-30	439	1.24	354	-	5.30
-25	557	1.40	399	-	6.75
-20	693	1.56	445	-	8.44
-15	849	1.73	491	-	10.39
-10	1023	1.91	535	-	12.59

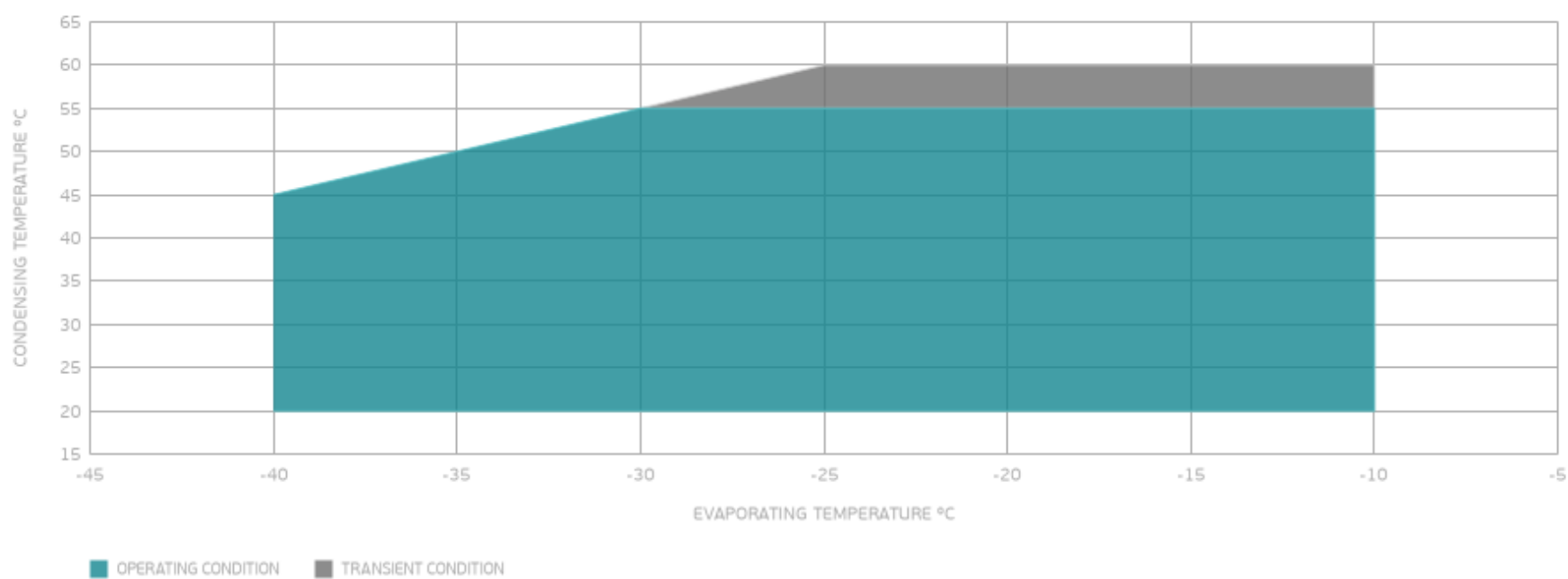
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	368	1.00	369	-	4.95
-25	468	1.11	421	-	6.32
-20	585	1.23	476	-	7.93
-15	716	1.34	533	-	9.77
-10	863	1.46	591	-	11.85

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

ENVELOPE



EXTERNAL DIMENSIONS

