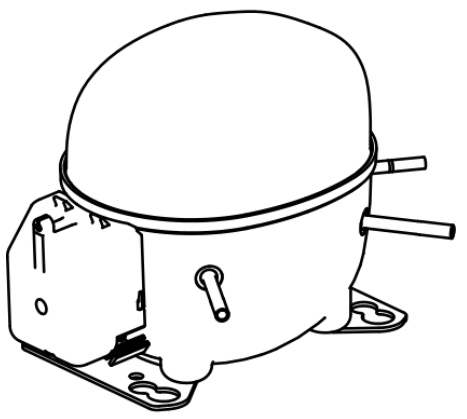
COMPRESSOR TECHNICAL DATA

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	AB
Oil Viscosity	ISO32
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
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-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 ºC. Data are an indication of performance based simulation.

PERFORMANCE CURVE

Condensing Temperature 35ºC

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 ºC. Data are an indication of performance based simulation.

PERFORMANCE CURVE

Condensing Temperature 45ºC

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 ºC. Data are an indication of performance based simulation.

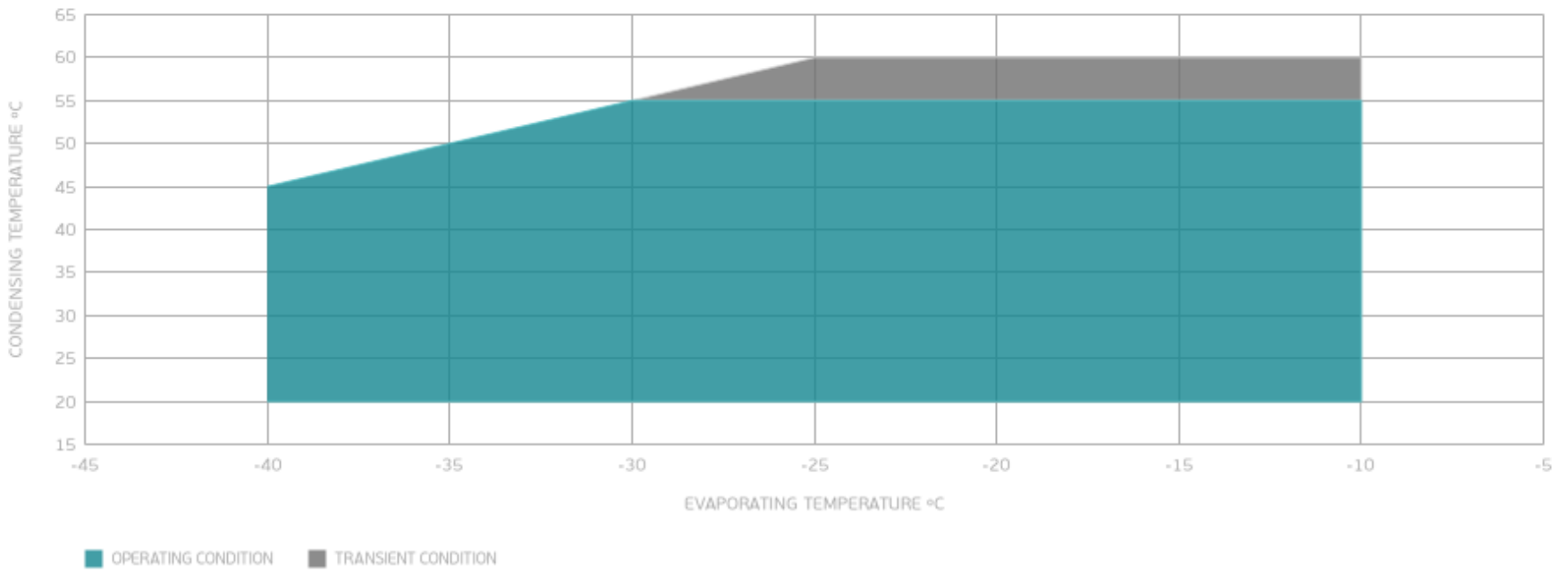
PERFORMANCE CURVE

Condensing Temperature 55ºC

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 ºC. Data are an indication of performance based simulation.

ENVELOPE



EXTERNAL DIMENSIONS