

COMPRESSOR TECHNICAL DATA



NEU2140U



ENGINEERING CODE
862MI51



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50-60
Hz



APPLICATION
LBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
282 W



EFFICIENCY
1.18 W/W

DATA

GENERAL DATA

Model	NEU2140U
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	null
Run Winding Resistance	null
Locked Rotor Amperage (LRA) 50Hz	14.5 A

MECHANICAL DATA

Displacement	9.99 cm³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	10.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/230 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	URP-011-83

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	282	1.18	240	-	3.24
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	236	1.13	208	-	2.58
-35	303	1.31	232	-	3.33
-30	387	1.50	257	-	4.26
-25	487	1.73	282	-	5.37
-20	605	1.98	306	-	6.70
-15	741	2.27	326	-	8.26
-10	898	2.62	343	-	10.05
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

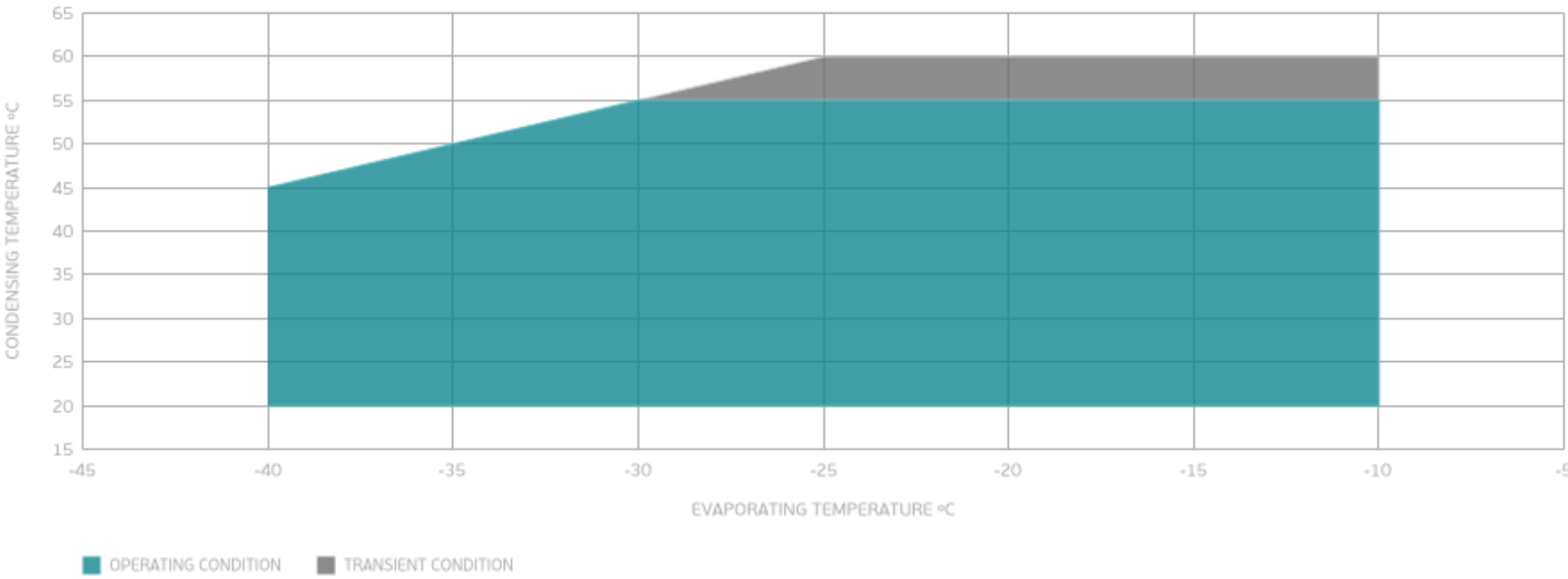
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	203	0.93	218	-	2.44
-35	261	1.06	245	-	3.14
-30	333	1.21	275	-	4.02
-25	421	1.38	306	-	5.10
-20	525	1.56	336	-	6.38
-15	645	1.77	365	-	7.89
-10	784	2.00	392	-	9.64
Test Condition: Subcooling 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	279	0.98	284	-	3.75
-25	354	1.11	320	-	4.78
-20	443	1.24	357	-	6.01
-15	547	1.39	393	-	7.47
-10	667	1.56	428	-	9.16
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

