

NEU2168U



**ENGINEERING CODE**  
863IA58



**REFRIGERANT**  
R-290



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



**APPLICATION**  
LBP



**MOTOR TYPE**  
CSCR



**STANDARD**  
EN12900



**COOLING CAPACITY**  
443 W



**EFFICIENCY**  
1.24 W/W



DATA

GENERAL DATA

Model	NEU2168U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	3/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	11.03 Ω at 25°C
Run Winding Resistance	5.15 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	21 A
Rated Load Amperage (LMBP) at 50 Hz	3.3 A

## MECHANICAL DATA

Displacement	16.8 cm <sup>3</sup>
Oil Charge	350 ml
Oil Type	AB
Oil Viscosity	ISO32
Weight	11.6 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
Run Capacitor	10.0 µf/400 V
CSR CSIR BOX	Yes
Starting Device Description	RVA3AN3C-647
Overload Protection	MST30AMK-3261

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	220 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
40	-35	443	1.24	356	-	5.08

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	365	1.19	306	-	4.00
-35	478	1.39	345	-	5.25
-30	617	1.59	387	-	6.79
-25	782	1.81	431	-	8.63
-20	975	2.06	474	-	10.81
-15	1198	2.33	514	-	13.34
-10	1452	2.65	549	-	16.26

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	311	0.96	323	-	3.73
-35	408	1.12	366	-	4.91
-30	528	1.28	414	-	6.38
-25	674	1.44	467	-	8.17
-20	846	1.62	521	-	10.29
-15	1045	1.82	575	-	12.78
-10	1272	2.03	626	-	15.67

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

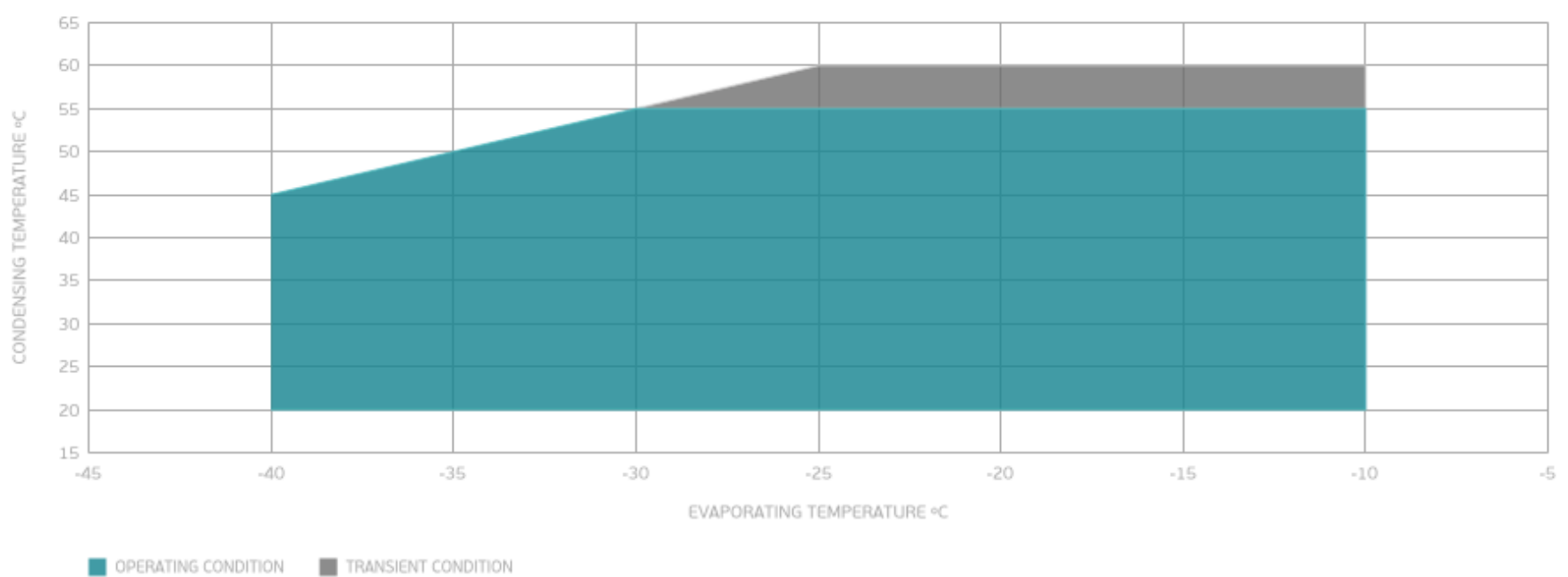
## PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	443	1.03	430	-	5.96
-25	568	1.16	490	-	7.67
-20	716	1.29	553	-	9.72
-15	890	1.44	619	-	12.15
-10	1091	1.59	685	-	14.97

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

## ENVELOPE



## External

### EXTERNAL CHARACTERISTICS

Base Plate		SMALL	
Tray Holder		YES	
<b>Connector</b>	<b>Internal Diameter</b>	<b>Shape</b>	<b>Material</b>
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER

**EXTERNAL DIMENSIONS**

**SHELL**



**BASE**



**FENCE**

