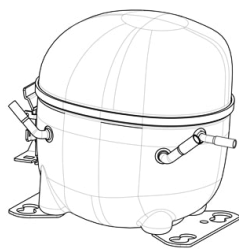


NEU2168U



ENGINEERING CODE
863IE71



REFRIGERANT
R-290



POWER SUPPLY
115-127 V 60 Hz



APPLICATION
LBP



MOTOR TYPE
CSCR



STANDARD
ASHRAE



COOLING CAPACITY
949 W



EFFICIENCY
1.53 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/127
HP	3/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	3.81 Ω at 25°C
Run Winding Resistance	0.96 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	49 A

MECHANICAL DATA

Displacement	16.8 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	340-408 μf/165 V
CSR CSIR BOX	Yes
Overload Protection	T0736/G9

EXTERNAL CHARACTERISTICS

Base Plate	UNI
------------	-----

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

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	127 V
Tested Frequency	60 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
54.4	-23.3	949	1.53	619	5.69	9.64
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.						

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	445	1.18	376	3.84	4.48
-35	586	1.38	424	4.23	5.91
-30	758	1.59	478	4.65	7.67
-25	963	1.80	535	5.10	9.77
-20	1202	2.03	592	5.58	12.24
-15	1475	2.28	647	6.09	15.08
-10	1784	2.56	698	6.63	18.32
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.					

PERFORMANCE CURVE

Condensing Temperature 45°C

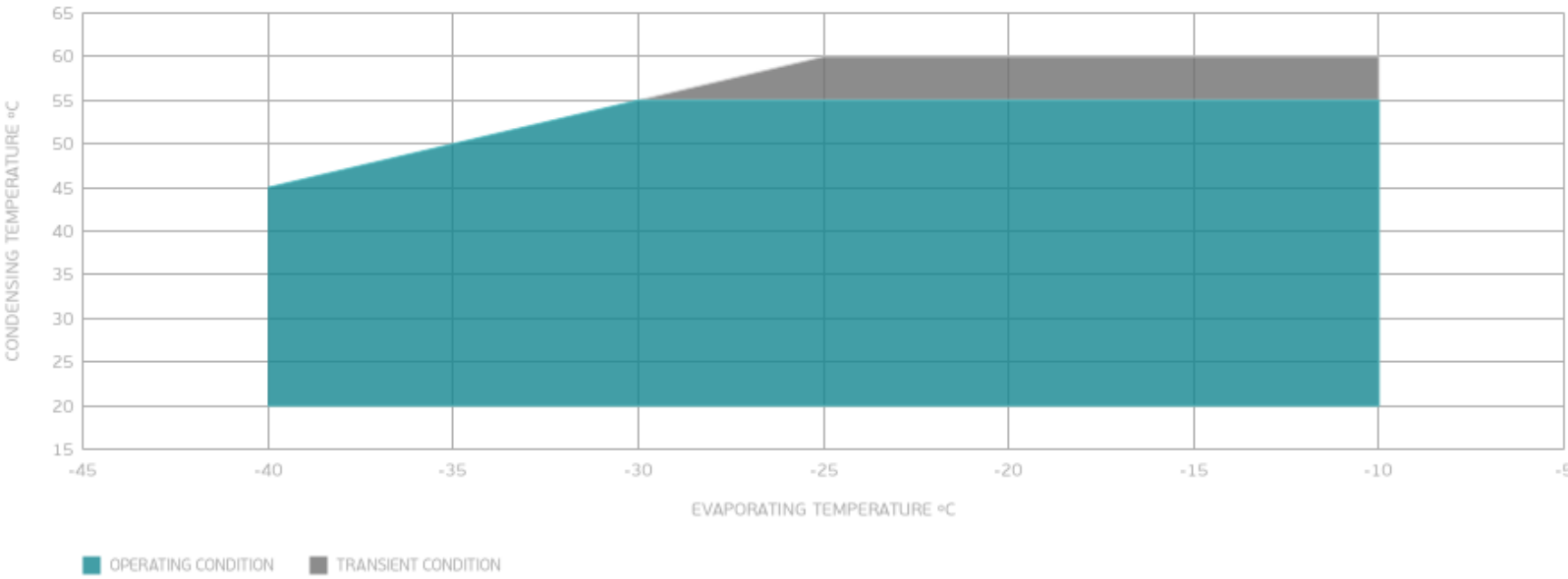
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	419	1.07	393	3.95	4.22
-35	555	1.25	444	4.38	5.60
-30	723	1.43	505	4.86	7.31
-25	922	1.61	572	5.39	9.36
-20	1155	1.80	643	5.97	11.76
-15	1423	1.99	716	6.60	14.54
-10	1725	2.19	787	7.29	17.71
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.					

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	679	1.31	518	5.01	6.87
-25	872	1.47	592	5.61	8.85
-20	1099	1.63	674	6.28	11.18
-15	1360	1.79	761	7.02	13.89
-10	1655	1.95	850	7.83	16.98
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.					

ENVELOPE



EXTERNAL DIMENSIONS

