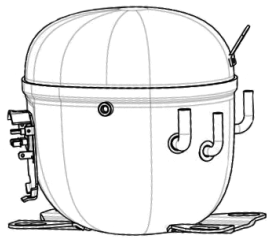


NT2180UV



ENGINEERING CODE
842LG02



REFRIGERANT
R-290



POWER SUPPLY
115 V 60 Hz



APPLICATION
LBP



MOTOR TYPE
CSCR



STANDARD
EN12900



COOLING CAPACITY
573 W



EFFICIENCY
1.04 W/W

DATA

GENERAL DATA

Model	NT2180UV
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/115
HP	1
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	2.66 Ω at 25°C
Run Winding Resistance	0.43 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	54.5 A
Rated Load Amperage (LMBP) at 60 Hz	9.6 A

MECHANICAL DATA

Displacement	22.37 cm ³
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	16.5 Kg

ELECTRICAL COMPONENTS

Start Capacitor	243-292 μf/250 V
CSR CSIR BOX	Yes
Overload Protection	MST00AFK

EXTERNAL CHARACTERISTICS

Base Plate	UNI
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Connector	Internal Diameter	Shape	Material
Suction	9.6 mm	VERTICAL	COPPER
Discharge	6.42 mm	VERTICAL	COPPER
Process	6.42 mm	VERTICAL	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	115 V
Tested Frequency	60 Hz
Max Refrigerant Charge	400 g
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	573	1.04	549	-	6.57
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	477	1.01	472	-	5.22
-35	612	1.15	531	-	6.72
-30	787	1.31	601	-	8.66
-25	1003	1.48	678	-	11.07
-20	1262	1.67	758	-	13.99
-15	1567	1.87	836	-	17.45
-10	1920	2.11	909	-	21.50
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

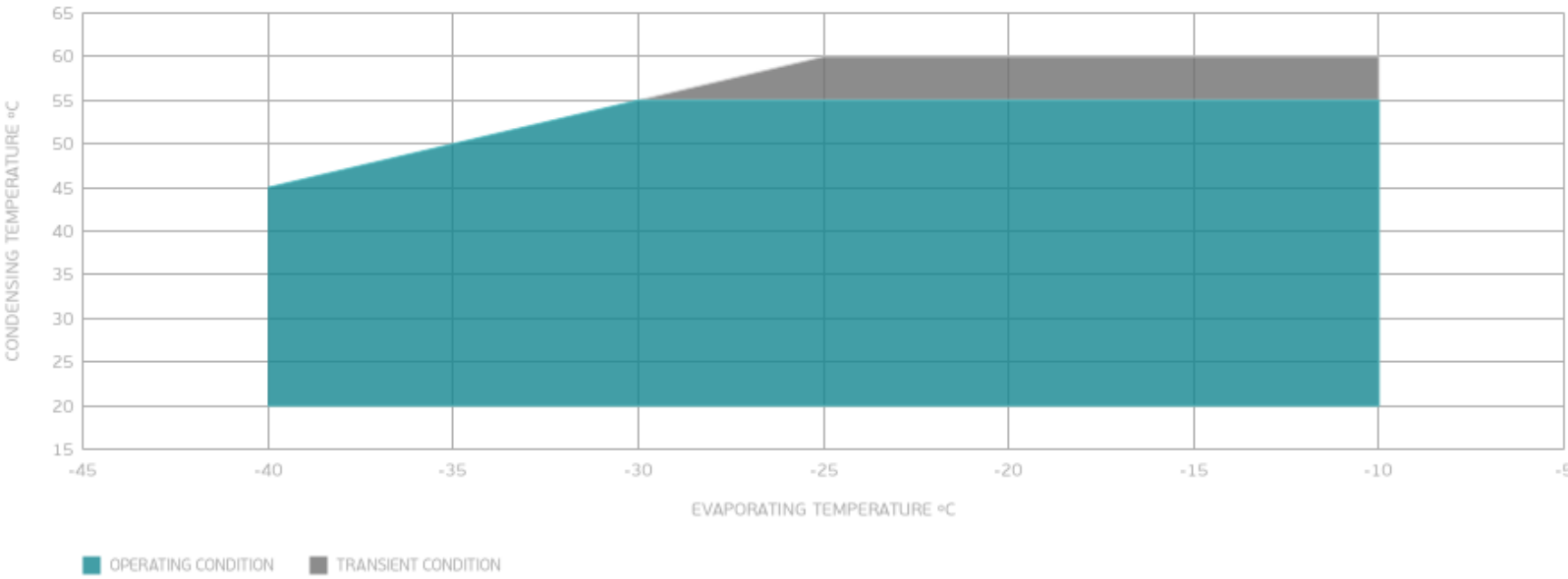
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	407	0.82	499	-	4.89
-35	528	0.94	561	-	6.35
-30	680	1.07	638	-	8.22
-25	867	1.19	726	-	10.51
-20	1091	1.33	821	-	13.28
-15	1354	1.47	918	-	16.57
-10	1658	1.64	1014	-	20.40
Test Condition: 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	555	0.86	644	-	7.46
-25	716	0.97	742	-	9.66
-20	906	1.07	849	-	12.30
-15	1129	1.17	963	-	15.41
-10	1386	1.28	1079	-	19.04
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

