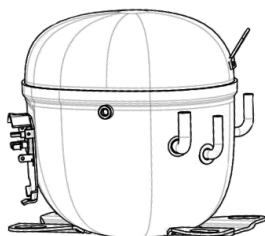


NT2210U



ENGINEERING CODE
843BA02

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
1169 W

EFFICIENCY
1.4 W/W



DATA

GENERAL DATA

Model	NT2210U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	6.82 Ω at 25°C
Run Winding Resistance	2.82 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	30 A

MECHANICAL DATA

Displacement	27.8 cm ³
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	17.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	USP-533-84

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	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 V
Tested Frequency	50 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
54.4	-23.3	1169	1.4	834	4.41	11.87

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	594	1.17	509	3.14	5.98
-35	772	1.33	580	3.40	7.79
-30	991	1.50	659	3.69	10.03
-25	1253	1.69	743	4.01	12.71
-20	1560	1.89	827	4.35	15.88
-15	1916	2.12	906	4.71	19.58
-10	2323	2.38	975	5.09	23.84

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	540	1.03	523	3.15	5.44
-35	709	1.18	599	3.46	7.15
-30	917	1.33	687	3.79	9.28
-25	1169	1.49	785	4.15	11.86
-20	1467	1.65	887	4.54	14.93
-15	1812	1.83	989	4.96	18.52
-10	2209	2.03	1086	5.41	22.67

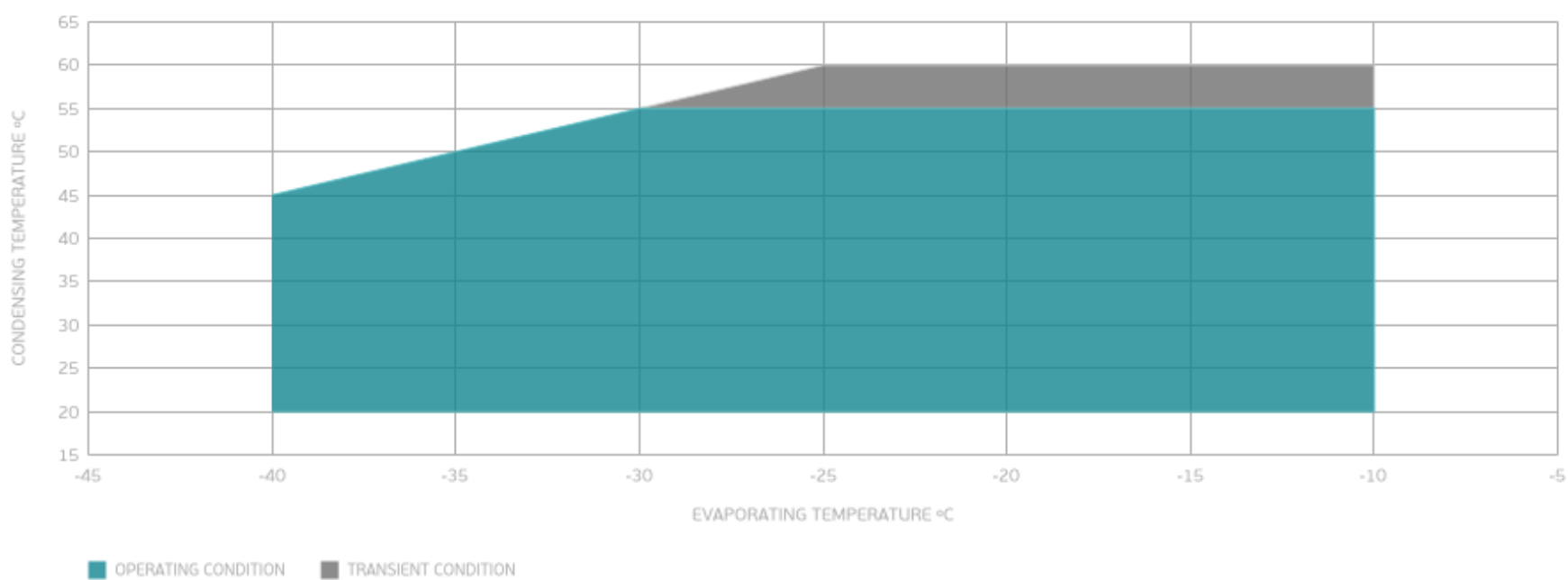
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	831	1.21	687	3.86	8.40
-25	1071	1.35	795	4.28	10.86
-20	1356	1.49	912	4.73	13.80
-15	1690	1.64	1033	5.21	17.27
-10	2075	1.80	1154	5.73	21.29

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

