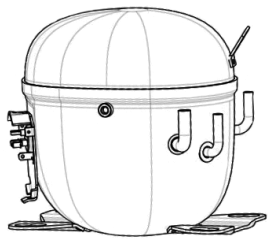
COMPRESSOR TECHNICAL DATA

NTX2213U



ENGINEERING CODE
843IV72

REFRIGERANT
R-290

POWER SUPPLY
230 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
904 W

EFFICIENCY
1.24 W/W

DATA

GENERAL DATA

Model	NTX2213U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1 1/2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	3.64 Ω at 25°C
Run Winding Resistance	1.78 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	34 A
Rated Load Amperage (LMBP) at 50 Hz	5.4 A

MECHANICAL DATA

Displacement	33.42 cm^3
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	17.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	108-130 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	USP-553-84

EXTERNAL CHARACTERISTICS

Base Plate	UNI

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	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
40	-35	904	1.24	729	3.62	10.37

Test Condition: Subcooling 0 K, Return Gas 20 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE

Condensing Temperature 35ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	751	1.21	620	3.23	8.22
-35	972	1.38	707	3.63	10.67
-30	1240	1.55	800	4.04	13.64
-25	1550	1.73	896	4.47	17.12
-20	1902	1.92	990	4.91	21.09
-15	2294	2.13	1078	5.36	25.56
-10	2724	2.36	1156	5.83	30.50

Test Condition: Subcooling 0 K, Return Gas 20 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE

Condensing Temperature 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	638	0.98	650	3.33	7.66
-35	833	1.12	746	3.77	10.02
-30	1068	1.25	853	4.23	12.90
-25	1343	1.39	967	4.72	16.27
-20	1654	1.53	1084	5.23	20.13
-15	2000	1.67	1199	5.77	24.47
-10	2379	1.82	1310	6.33	29.28

Test Condition: Subcooling 0 K, Return Gas 20 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

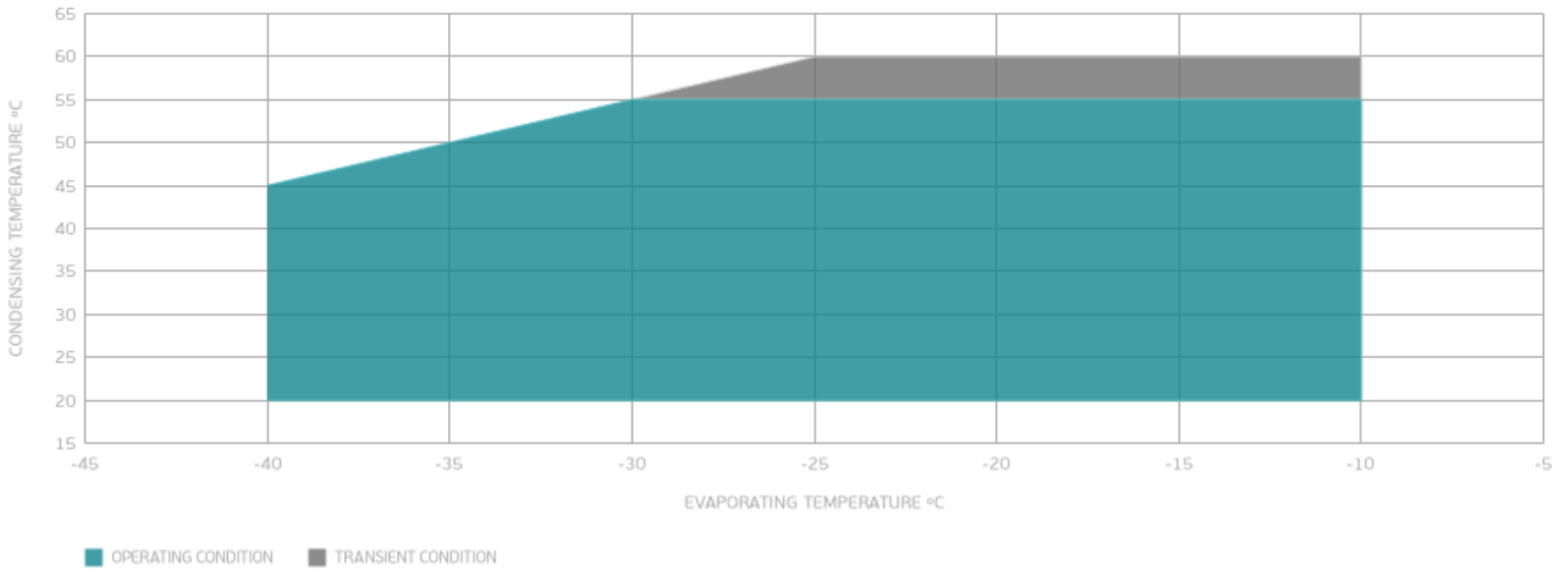
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	890	1.01	880	4.43	11.97
-25	1128	1.12	1008	4.99	15.23
-20	1398	1.22	1144	5.58	18.96
-15	1698	1.32	1283	6.22	23.17
-10	2026	1.42	1422	6.89	27.83

Test Condition: Subcooling 0 K, Return Gas 20 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE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CONDENSING TEMPERATURE °C
-45
-40
-35
-30
-25
-20
-15
-10
-5
EVAPORATING TEMPERATURE °C
OPERATING CONDITION
TRANSIENT CONDITION