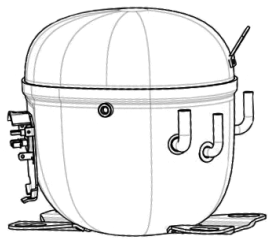
COMPRESSOR TECHNICAL DATA

NTX2211U



ENGINEERING CODE
843GA72

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
1317 W

EFFICIENCY
1.56 W/W

DATA

GENERAL DATA

Model	NTX2211U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1 1/4
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	33 A
Rated Load Amperage (LMBP) at 50 Hz	4.3 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-543-84

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	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	1317	1.56	842	4.35	13.38

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 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	660	1.32	501	2.76	6.65
-35	857	1.50	573	3.07	8.65
-30	1095	1.69	648	3.37	11.08
-25	1376	1.91	722	3.68	13.96
-20	1698	2.15	791	3.98	17.29
-15	2063	2.42	853	4.28	21.09
-10	2471	2.73	904	4.57	25.36

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 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	608	1.17	518	2.79	6.13
-35	800	1.34	599	3.15	8.07
-30	1032	1.50	686	3.51	10.44
-25	1305	1.68	776	3.88	13.24
-20	1618	1.87	866	4.25	16.47
-15	1972	2.07	951	4.62	20.15
-10	2366	2.30	1028	4.99	24.28

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

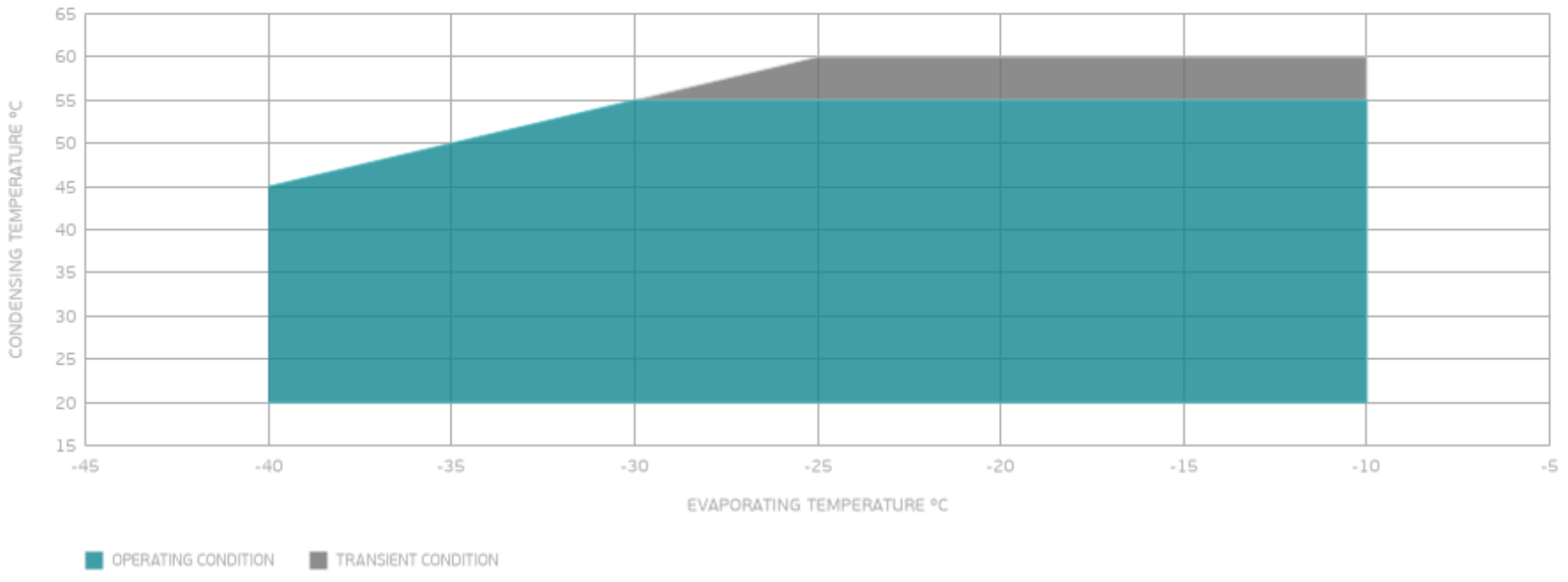
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	947	1.35	704	3.65	9.58
-25	1212	1.50	808	4.09	12.29
-20	1516	1.66	914	4.53	15.42
-15	1858	1.82	1020	4.99	18.98
-10	2240	2.00	1122	5.45	22.98

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

ENVELOPE


65
60
55
50
45
40
35
30
25
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15
CONDENSING TEMPERATURE °C
-45
-40
-35
-30
-25
-20
-15
-10
-5
EVAPORATING TEMPERATURE °C
OPERATING CONDITION
TRANSIENT CONDITION