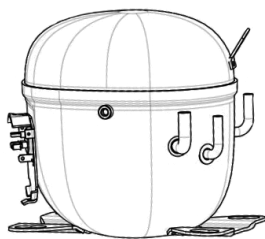


NTX6238U



ENGINEERING CODE
843JA72



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
MBP



MOTOR TYPE
CSCR



STANDARD
ASHRAE



COOLING CAPACITY
2735 W



EFFICIENCY
2.01 W/W



DATA

GENERAL DATA

Model	NTX6238U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
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	3.8 Ω at 25°C
Run Winding Resistance	1.55 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	40 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-605-84

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	MBP
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	-6.7	2735	2.01	1357	6.65	31.28
Test Condition: Subcooling 8.3 K, Return Gas 35 °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
-20	2071	2.18	950	4.72	19.94
-15	2557	2.49	1026	5.05	24.72
-10	3117	2.80	1114	5.38	30.25
-5	3751	3.12	1202	5.73	36.58
0	4459	3.49	1278	6.08	43.72
5	5241	3.94	1330	6.44	51.73
10	6098	4.53	1346	6.80	60.64
Test Condition: Subcooling 8.3 K, Return Gas 35 °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
-20	1809	1.72	1053	4.98	18.83
-15	2246	1.99	1128	5.42	23.47
-10	2751	2.24	1228	5.85	28.86
-5	3323	2.48	1339	6.28	35.05
0	3964	2.73	1450	6.70	42.06
5	4673	3.02	1549	7.11	49.94
10	5451	3.36	1624	7.52	58.71
Test Condition: Subcooling 8.3 K, Return Gas 35 °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
-10	2382	1.86	1282	6.33	27.30
-5	2890	2.06	1402	6.85	33.31
0	3460	2.26	1533	7.36	40.15
5	4093	2.46	1664	7.85	47.86
10	4789	2.69	1783	8.32	56.47
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.					

