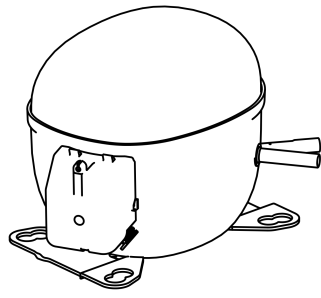


NT2160U



**ENGINEERING CODE**  
842AA04



**REFRIGERANT**  
R-290



**POWER SUPPLY**  
220-240 V 50 Hz



**APPLICATION**  
LBP



**MOTOR TYPE**  
CSCR



**STANDARD**  
ASHRAE



**COOLING CAPACITY**  
704 W



**EFFICIENCY**  
1.45 W/W



DATA

GENERAL DATA

Model	NT2160U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	3/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	13.8 Ω at 25°C
Run Winding Resistance	2.7 Ω at 25°C

## MECHANICAL DATA

Displacement	17.39 cm <sup>3</sup>
Oil Charge	450 ml
Oil Type	AB
Oil Viscosity	ISO32
Weight	17.2 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
Run Capacitor	10.0 µf/440 V
CSR CSIR BOX	Yes
Starting Device Description	RVA2L3C
Overload Protection	T0916/G9

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 V
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	704	1.45	485	2.48	7.15

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	341	1.15	297	1.70	3.44
-35	457	1.35	339	1.88	4.61
-30	599	1.56	384	2.06	6.06
-25	770	1.80	428	2.24	7.81
-20	968	2.06	470	2.42	9.85
-15	1195	2.36	507	2.59	12.21
-10	1451	2.71	536	2.77	14.89

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	304	1.01	301	1.71	3.06
-35	412	1.18	348	1.91	4.16
-30	548	1.37	400	2.12	5.54
-25	711	1.56	454	2.33	7.21
-20	901	1.77	508	2.55	9.17
-15	1120	2.00	559	2.77	11.45
-10	1368	2.26	605	3.00	14.03

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	486	1.21	401	2.15	4.92
-25	640	1.38	463	2.40	6.49
-20	822	1.56	527	2.66	8.37
-15	1032	1.75	591	2.93	10.54
-10	1270	1.95	652	3.21	13.03

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

### EXTERNAL CHARACTERISTICS

Base Plate UNI

Tray Holder NO

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

### EXTERNAL DIMENSIONS

