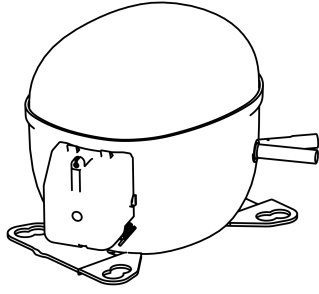



NT2170U



 **ENGINEERING CODE**
842BA09

 **REFRIGERANT**
R-290

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

 **APPLICATION**
LBP

 **MOTOR TYPE**
CSCR

 **STANDARD**
ASHRAE

 **COOLING CAPACITY**
835 W

 **EFFICIENCY**
1.45 W/W



DATA

GENERAL DATA

Model	NT2170U
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	10.4 Ω at 25°C
Run Winding Resistance	2.4 Ω at 25°C

MECHANICAL DATA

Displacement	20.44 cm ³
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	12.5 µf/440 V
CSR CSIR BOX	Yes
Starting Device Description	RVA2AM3C-104
Overload Protection	T0634/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	835	1.45	575	2.89	8.48

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	409	1.17	350	1.93	4.12
-35	545	1.36	400	2.15	5.50
-30	712	1.57	455	2.37	7.21
-25	911	1.79	509	2.59	9.24
-20	1141	2.04	560	2.81	11.62
-15	1402	2.32	604	3.03	14.33
-10	1693	2.65	639	3.26	17.38

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	367	1.03	357	1.96	3.69
-35	494	1.20	412	2.20	4.98
-30	652	1.38	474	2.45	6.60
-25	842	1.56	539	2.70	8.54
-20	1063	1.76	604	2.96	10.82
-15	1315	1.98	665	3.23	13.44
-10	1598	2.22	721	3.51	16.40

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	582	1.22	476	2.49	5.89
-25	762	1.39	549	2.79	7.72
-20	972	1.55	626	3.10	9.89
-15	1214	1.73	702	3.43	12.40
-10	1486	1.92	775	3.77	15.25

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	12.7 mm	ROTOLOCK(EX. THR. 1"-14UNS-2A)	STEEL
Discharge	6.42 mm	VERTICAL	COPPER
Process	6.42 mm	VERTICAL	COPPER

EXTERNAL DIMENSIONS

