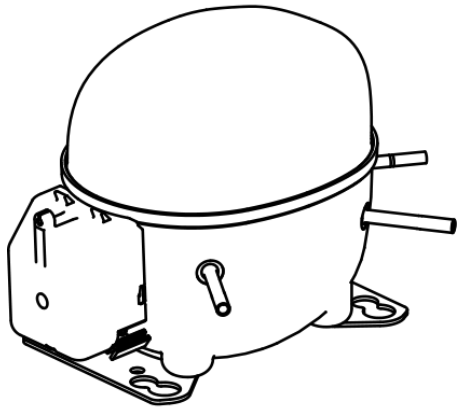


NEU2170UA



**ENGINEERING CODE**  
865EA76

**REFRIGERANT**  
R-290

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

**APPLICATION**  
LBP

**MOTOR TYPE**  
CSCR

**STANDARD**  
ASHRAE

**COOLING CAPACITY**  
814 W

**EFFICIENCY**  
1.56 W/W

DATA

GENERAL DATA

Model	NEU2170UA
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	12.02 Ω at 25°C
Run Winding Resistance	5.15 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	23.5 A

## MECHANICAL DATA

Displacement	16.8 cm <sup>3</sup>
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	108-130 µf/330 V
Run Capacitor	10.0 µf/400 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	QL2-7.8-NTC-15*
Overload Protection	USP-M1E-83 (internal)

## EXTERNAL CHARACTERISTICS

Base Plate	UNI
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.45 mm	STRAIGHT	COPPER
Process	6.45 mm	SLANTED 42°	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
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	814	1.56	521	2.63	8.26

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	1.28	320	1.85	4.12
-35	530	1.47	360	2.00	5.35
-30	676	1.68	402	2.15	6.83
-25	849	1.92	442	2.30	8.62
-20	1053	2.19	480	2.46	10.72
-15	1289	2.50	516	2.62	13.17
-10	1559	2.85	547	2.79	16.00

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	375	1.14	329	1.87	3.78
-35	494	1.31	377	2.05	4.99
-30	637	1.49	428	2.24	6.45
-25	806	1.68	480	2.44	8.18
-20	1004	1.89	530	2.64	10.22
-15	1232	2.13	579	2.85	12.59
-10	1492	2.39	625	3.06	15.31

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	581	1.33	438	2.31	5.88
-25	747	1.49	500	2.56	7.58
-20	939	1.67	564	2.81	9.56
-15	1160	1.85	626	3.07	11.85
-10	1412	2.05	687	3.34	14.49

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

