

NEU2178GKA



ENGINEERING CODE
955BA76



REFRIGERANT
R-404A



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
CSCR



STANDARD
ASHRAE



COOLING CAPACITY
877 W



EFFICIENCY
1.47 W/W



DATA

GENERAL DATA

Model	NEU2178GKA
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	12.02 Ω at 25°C
Run Winding Resistance	5.15 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	23 A

MECHANICAL DATA

Displacement	15.71 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11 Kg

ELECTRICAL COMPONENTS

Start Capacitor	108-130 µf/330 V
Run Capacitor	12.5 µf/450 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	2284001*
Overload Protection	USP-M1E-83 (internal)

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 V
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	877	1.47	597	2.88	20.27

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	406	1.16	349	1.80	9.31
-35	547	1.36	403	2.03	12.57
-30	718	1.56	459	2.26	16.57
-25	921	1.79	515	2.51	21.35
-20	1158	2.02	572	2.77	26.99
-15	1430	2.28	627	3.04	33.54
-10	1740	2.56	680	3.33	41.07

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	365	1.03	353	1.80	8.35
-35	501	1.21	414	2.05	11.51
-30	668	1.39	480	2.32	15.38
-25	866	1.57	551	2.62	20.04
-20	1098	1.76	624	2.94	25.54
-15	1365	1.95	699	3.27	31.95
-10	1669	2.16	774	3.64	39.32

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	606	1.24	487	2.42	13.93
-25	799	1.40	569	2.77	18.44
-20	1025	1.56	656	3.14	23.79
-15	1286	1.72	749	3.55	30.04
-10	1584	1.87	845	3.99	37.24

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	8.1 mm	SLANTED 42°	COPPER
Discharge	6.45 mm	STRAIGHT	COPPER
Process	6.45 mm	SLANTED 42°	COPPER

EXTERNAL DIMENSIONS

