

NEU2168GK



ENGINEERING CODE
959MA51



REFRIGERANT
R-404A



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
403 W



EFFICIENCY
1.06 W/W



DATA

GENERAL DATA

Model	NEU2168GK
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	14.26 Ω at 25°C
Run Winding Resistance	4.25 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	22 A
Rated Load Amperage (LMBP) at 50 Hz	4.4 A

MECHANICAL DATA

Displacement	14.28 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRPH-0055-65*
Overload Protection	MST26ALK-3259

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 42°	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	EN12900
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
40	-35	403	1.06	380	-	10.92

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	328	1.04	317	-	8.35
-35	437	1.18	370	-	11.15
-30	574	1.35	426	-	14.70
-25	739	1.53	484	-	19.02
-20	931	1.72	543	-	24.14
-15	1151	1.92	601	-	30.09
-10	1399	2.13	657	-	36.87

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	268	0.82	328	-	7.70
-35	364	0.94	387	-	10.54
-30	483	1.07	451	-	14.05
-25	623	1.20	521	-	18.25
-20	786	1.32	594	-	23.16
-15	969	1.45	671	-	28.81
-10	1173	1.57	749	-	35.23

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	373	0.81	463	-	12.74
-25	491	0.90	543	-	16.86
-20	624	0.99	630	-	21.62
-15	772	1.07	723	-	27.03
-10	934	1.14	821	-	33.12

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

ENVELOPE



EXTERNAL DIMENSIONS

