

NEU2168GK



ENGINEERING CODE
959MA51



REFRIGERANT
R-404A



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
405 W



EFFICIENCY
1.07 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

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	EN12900
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
40	-35	405	1.07	380	-	10.96

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	330	1.04	318	-	8.39
-35	440	1.19	371	-	11.22
-30	575	1.35	427	-	14.74
-25	737	1.52	484	-	18.99
-20	927	1.71	542	-	24.04
-15	1146	1.91	600	-	29.95
-10	1394	2.12	657	-	36.77

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	266	0.81	327	-	7.66
-35	365	0.94	386	-	10.57
-30	483	1.07	451	-	14.07
-25	623	1.20	521	-	18.22
-20	783	1.32	594	-	23.09
-15	967	1.44	670	-	28.73
-10	1173	1.57	748	-	35.20

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

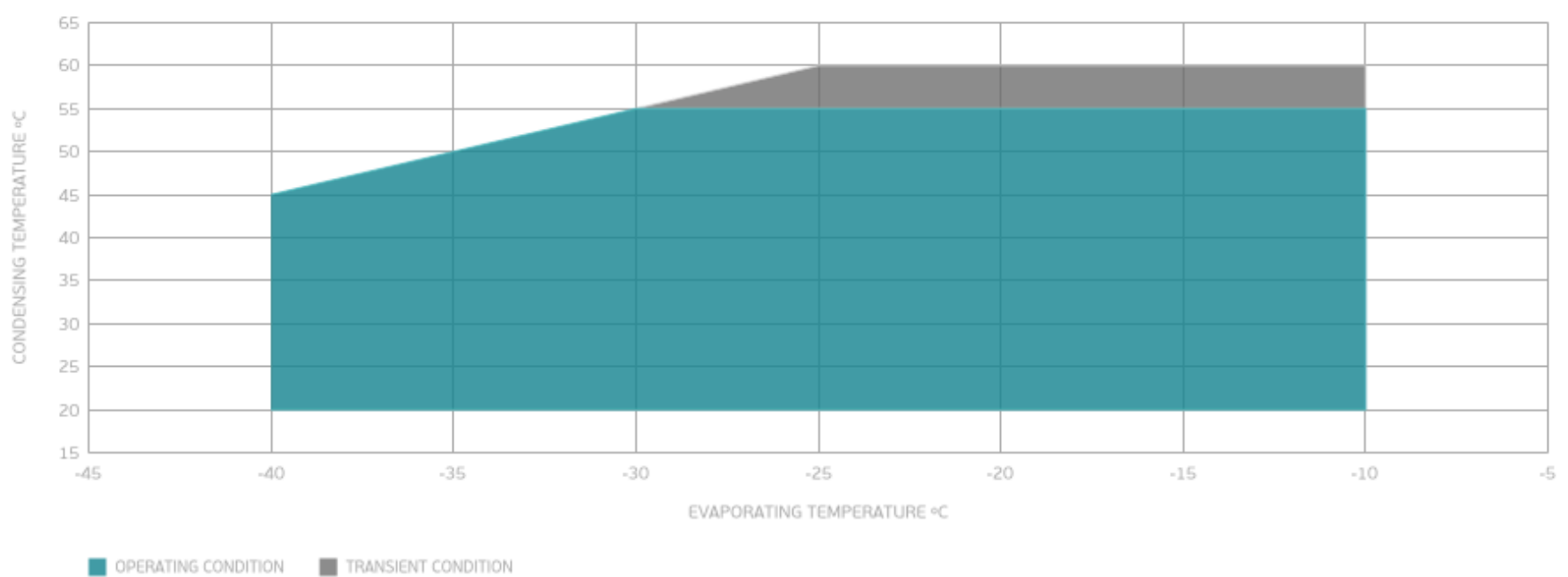
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	375	0.81	463	-	12.78
-25	492	0.91	544	-	16.92
-20	625	0.99	631	-	21.68
-15	774	1.07	724	-	27.13
-10	941	1.14	822	-	33.33

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

ENVELOPE



External

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

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

