COMPRESSOR TECHNICAL DATA

NEU2140GK

ENGINEERING CODE
958KB71

REFRIGERANT
R-404A

POWER SUPPLY
200-230 V 50 Hz/208-230 V 60 Hz

APPLICATION
LBP

STANDARD
ASHRAE

MOTOR TYPE
CSIR

COOLING CAPACITY
570 W

EFFICIENCY
1.36 W/W

DATA

GENERAL DATA

Model	NEU2140GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/208
HP	1/2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	27.95 Ω at 25°C
Run Winding Resistance	5.11 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	18 A

MECHANICAL DATA

Displacement	8.77 cm^3
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.2 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0660/J5

EXTERNAL CHARACTERISTICS

Base Plate	UNI

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-404A
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	208 V
Tested Frequency	60 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	570	1.36	419	2.52	13.19

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE

Condensing Temperature 35ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	267	1.13	236	1.86	6.13
-35	357	1.29	276	2.00	8.22
-30	470	1.48	318	2.15	10.86
-25	607	1.68	360	2.31	14.06
-20	767	1.91	401	2.47	17.87
-15	951	2.16	440	2.64	22.30
-10	1160	2.44	475	2.81	27.37

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE

Condensing Temperature 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	243	1.01	240	1.88	5.55
-35	329	1.16	284	2.02	7.55
-30	437	1.31	333	2.19	10.08
-25	569	1.48	385	2.38	13.16
-20	723	1.65	438	2.60	16.81
-15	901	1.83	491	2.83	21.07
-10	1102	2.03	543	3.08	25.96

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

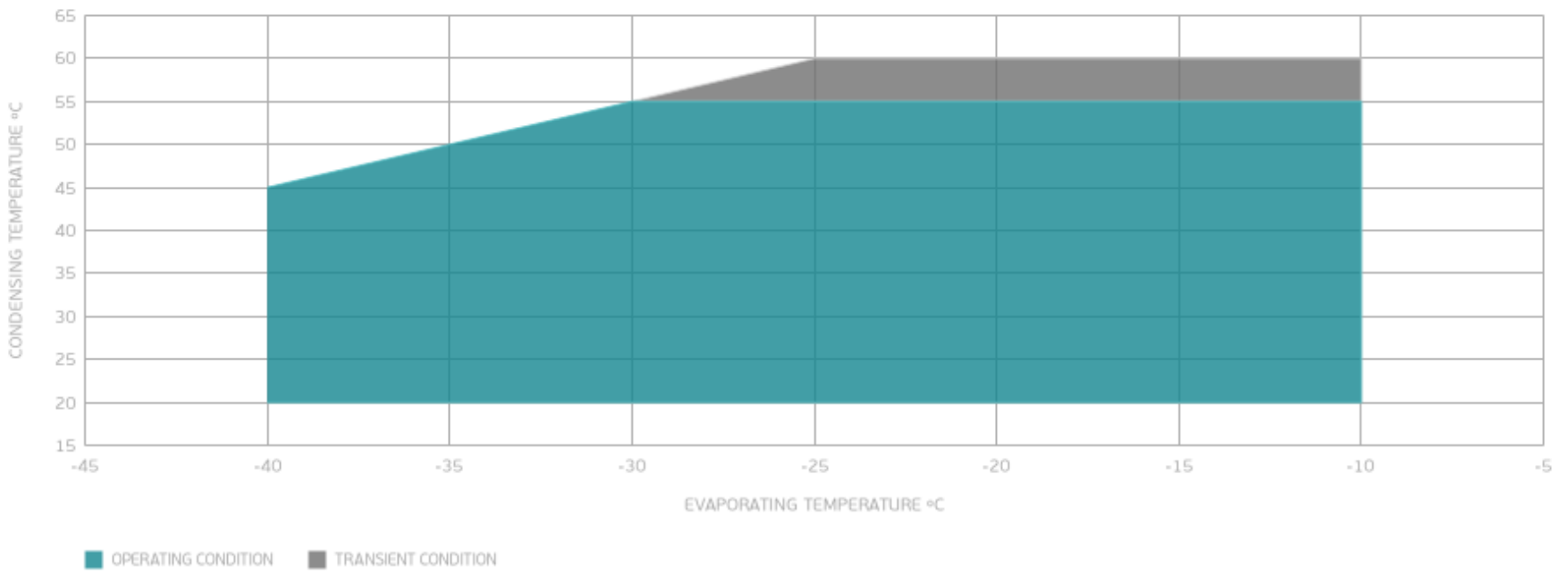
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	393	1.16	339	2.21	9.04
-25	519	1.30	398	2.44	11.98
-20	667	1.44	462	2.70	15.47
-15	837	1.59	528	3.00	19.56
-10	1031	1.73	595	3.33	24.25

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



EXTERNAL DIMENSIONS