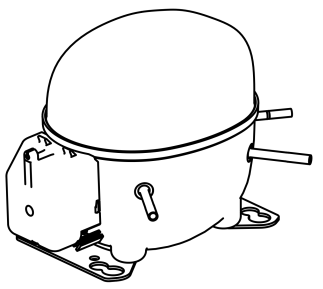
COMPRESSOR TECHNICAL DATA

NEU2155GK



ENGINEERING CODE
959QE71

REFRIGERANT
R-404A

POWER SUPPLY
115-127 V 60 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
777 W

EFFICIENCY
1.45 W/W

DATA

GENERAL DATA

Model	NEU2155GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/115
HP	3/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	5.99 Ω at 25°C
Run Winding Resistance	1.1 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	40 A

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MECHANICAL DATA

Displacement	12.11 cm^3
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.3 Kg

ELECTRICAL COMPONENTS

Start Capacitor	189-227 µf/330 V
Run Capacitor	25.0 µf/400 V
CSR CSIR BOX	Yes
Starting Device Description	RVA7AC3C-115
Overload Protection	MRA6981-3261

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	115 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	777	1.45	537	5.07	17.98

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	362	1.17	310	3.32	8.31
-35	483	1.35	359	3.68	11.12
-30	632	1.53	414	4.08	14.59
-25	811	1.72	471	4.51	18.79
-20	1021	1.93	528	4.99	23.79
-15	1265	2.17	582	5.49	29.65
-10	1545	2.45	631	6.03	36.46

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	330	1.03	320	3.33	7.55
-35	448	1.20	372	3.74	10.28
-30	592	1.37	432	4.20	13.64
-25	766	1.54	499	4.72	17.72
-20	971	1.71	569	5.29	22.58
-15	1209	1.89	640	5.90	28.29
-10	1482	2.09	708	6.56	34.92

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

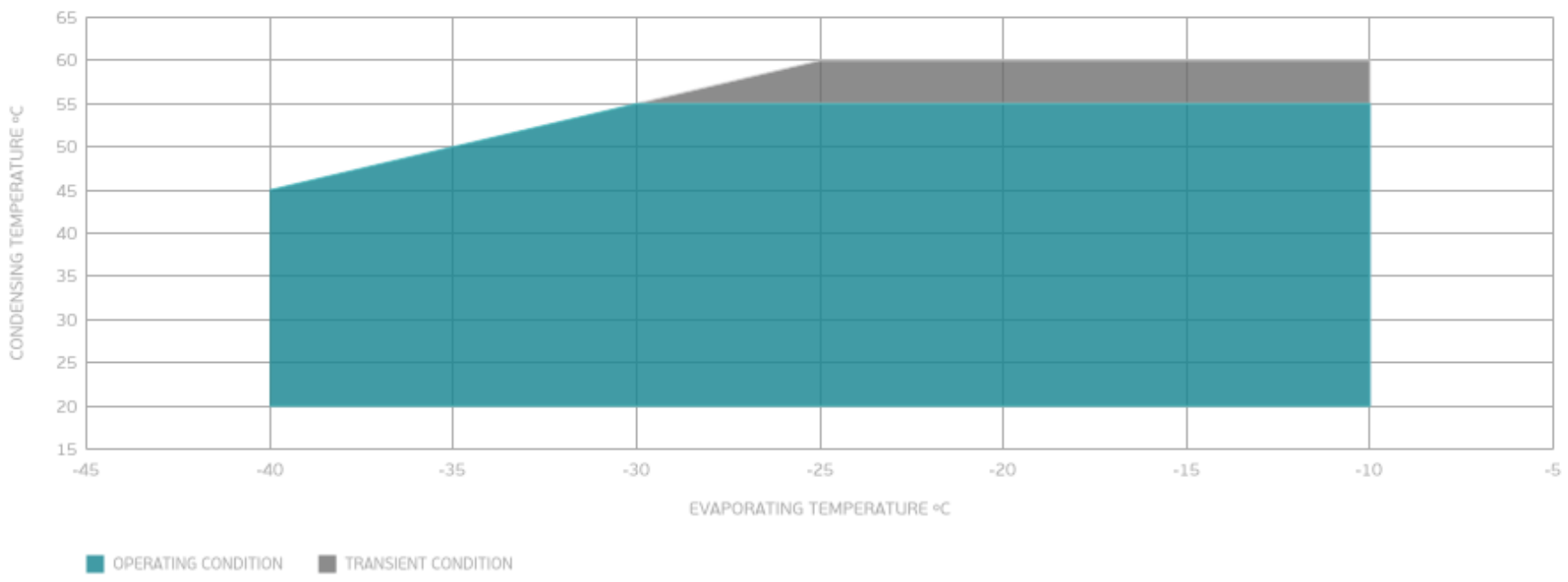
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	540	1.24	437	4.28	12.42
-25	709	1.39	511	4.86	16.38
-20	909	1.54	591	5.51	21.09
-15	1141	1.69	675	6.21	26.64
-10	1407	1.85	760	6.96	33.09

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

EXTERNAL CHARACTERISTICS

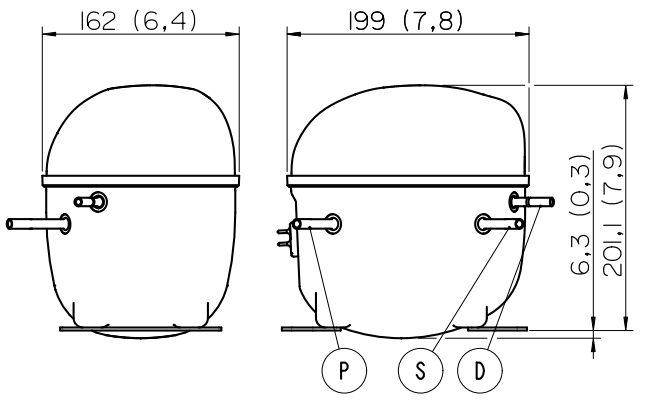
Base Plate	UNI
Tray Holder	NO

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

SHELL



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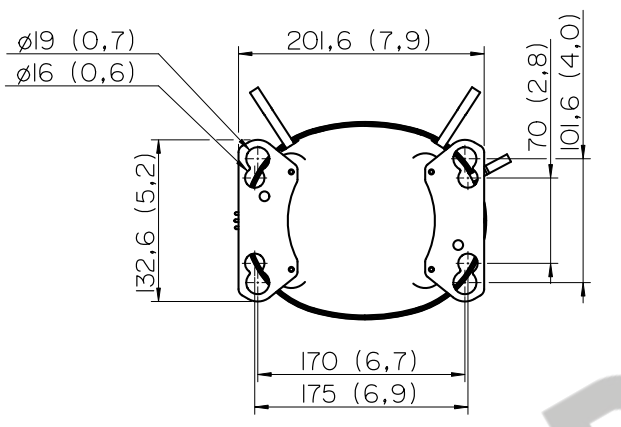

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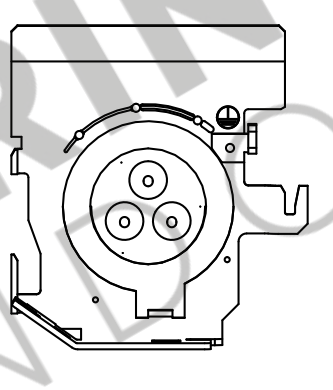

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