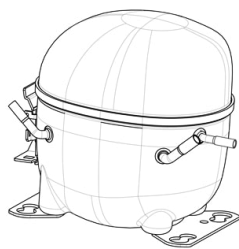


NEU2178GK



ENGINEERING CODE
9590E71



REFRIGERANT
R-404A



POWER SUPPLY
115-127 V 60 Hz



APPLICATION
LBP



MOTOR TYPE
CSCR



STANDARD
ASHRAE



COOLING CAPACITY
3397 Btu/h



EFFICIENCY
4.4 Btu/Wh

DATA

GENERAL DATA

Model	NEU2178GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/115
HP	1
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	3.71 Ω at 25°C
Run Winding Resistance	0.81 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	53 A
Rated Load Amperage (LMBP) at 60 Hz	9.3 A

MECHANICAL DATA

Displacement	16.8 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	243-292 μf/250 V
CSR CSIR BOX	Yes
Overload Protection	MST00AEK-3090

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	115 V
Tested Frequency	60 Hz
Refrigerant Temperature	Dew

RATED POINTS

Condensing Temperature °C	Evaporating Temperature °C	Cooling Capacity Btu/h	Efficiency Btu/Wh	Power Consumption W	Current A	Gas Flow Rate kg/h
54.4	-23.3	3397	4.4	773	-	23.03
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data are an indication of performance based simulation.						

PERFORMANCE CURVE

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity Btu/h	Efficiency Btu/Wh	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	1547	3.47	446	-	10.40
-35	2070	4.04	513	-	13.96
-30	2711	4.58	591	-	18.34
-25	3476	5.12	679	-	23.62
-20	4372	5.65	773	-	29.86
-15	5404	6.22	869	-	37.13
-10	6578	6.82	965	-	45.51
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

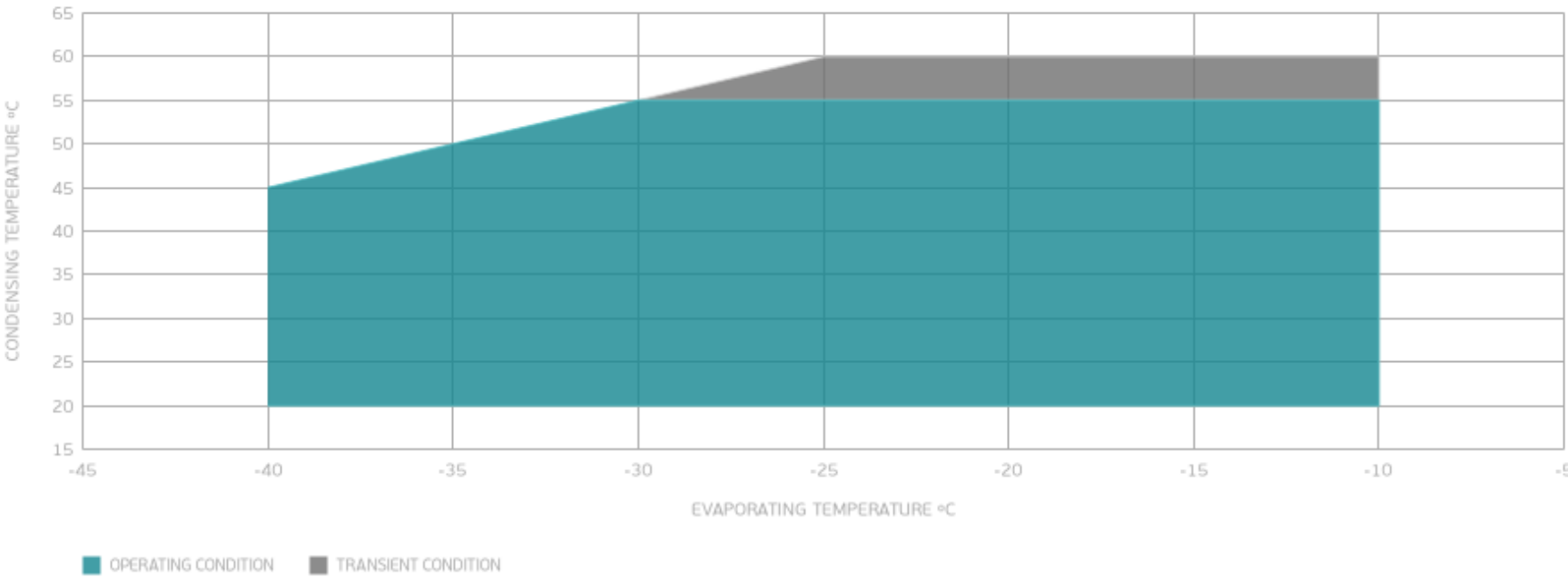
Evaporating Temperature °C	Cooling Capacity Btu/h	Efficiency Btu/Wh	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	1433	3.09	464	-	9.61
-35	1936	3.61	536	-	13.03
-30	2559	4.11	623	-	17.28
-25	3307	4.58	723	-	22.42
-20	4186	5.03	832	-	28.53
-15	5202	5.49	947	-	35.67
-10	6361	5.98	1064	-	43.91
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity Btu/h	Efficiency Btu/Wh	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	2381	3.82	624	-	16.05
-25	3107	4.24	732	-	21.02
-20	3965	4.64	854	-	26.97
-15	4960	5.04	985	-	33.94
-10	6099	5.44	1122	-	42.02
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

