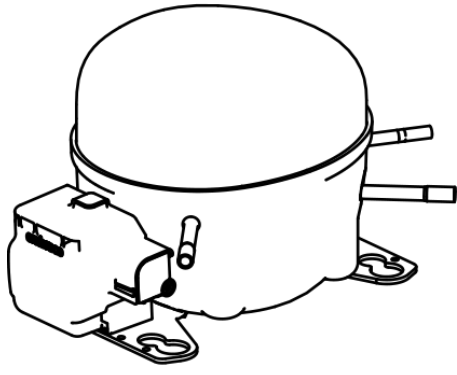


EMX55CLC



ENGINEERING CODE
701PA72

REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
RSCR

STANDARD
EN12900

COOLING CAPACITY
79 W

EFFICIENCY
1.29 W/W



DATA

GENERAL DATA

Model	EMX55CLC
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
Starting Torque	LST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	16.55 Ω at 25°C
Run Winding Resistance	25.0 Ω at 25°C

MECHANICAL DATA

Displacement	9.04 cm ³
Oil Charge	150 ml
Oil Type	ALQUILB
Oil Viscosity	ISO5
Weight	7.6 Kg

ELECTRICAL COMPONENTS

Run Capacitor	5.0 µf/350 V
CSR CSIR BOX	No
Starting Device Description	MI.E-2021 12A
Overload Protection	AE18BQX

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42° UP + 45° TO BACK	COPPER
Discharge	4.94 mm	SLANTED 0° UP + 45° TO BACK	COPPER
Process	6.1 mm	SLANTED 45° UP + 45° TO BACK	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-600a
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Static
Tested Voltage	220 V
Tested Frequency	50 Hz
Max Refrigerant Charge	150 g
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	79	1.29	62	-	0.97

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
-35	84	1.36	62	-	0.99
-30	112	1.57	71	-	1.31
-25	147	1.81	81	-	1.72
-20	188	2.09	90	-	2.21
-15	238	2.42	98	-	2.79
-10	296	2.81	106	-	3.49

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
-35	74	1.20	61	-	0.94
-30	99	1.38	72	-	1.27
-25	131	1.56	84	-	1.67
-20	169	1.77	95	-	2.15
-15	213	1.99	107	-	2.73
-10	266	2.25	118	-	3.42

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	85	1.18	72	-	1.20
-25	114	1.34	85	-	1.60
-20	148	1.50	98	-	2.08
-15	188	1.66	113	-	2.65
-10	235	1.84	127	-	3.33

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

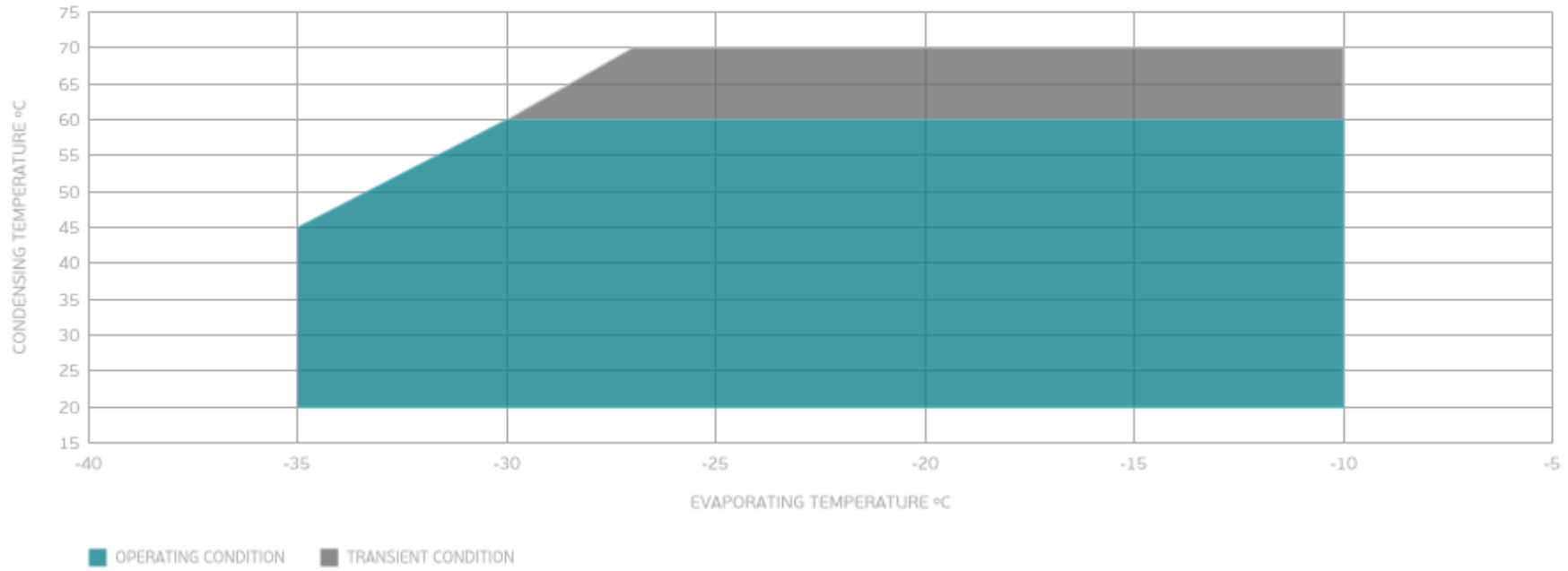
PERFORMANCE CURVE

Condensing Temperature 65°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	95	1.12	85	-	1.50
-20	125	1.26	100	-	1.98
-15	161	1.39	116	-	2.54
-10	202	1.52	133	-	3.21

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

ENVELOPE



EXTERNAL DIMENSIONS

