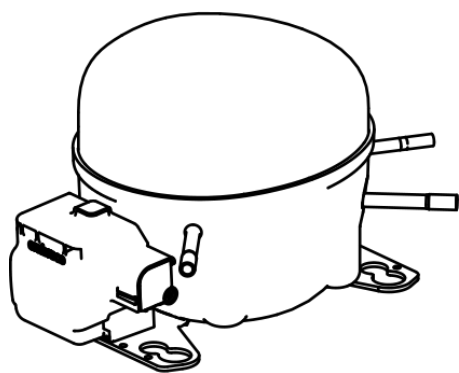


EMY70CLP



**ENGINEERING CODE**  
700FA98



**REFRIGERANT**  
R-600a



**POWER SUPPLY**  
220-240 V 50 Hz



**APPLICATION**  
LBP



**MOTOR TYPE**  
RSIR



**STANDARD**  
ASHRAE



**COOLING CAPACITY**  
191 W



**EFFICIENCY**  
1.57 W/W



DATA

GENERAL DATA

Model	EMY70CLP
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	18.5 Ω at 25°C
Run Winding Resistance	18.0 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	6.7 A
Rated Load Amperage (LMBP) at 50 Hz	1.2 A
Rated Load Amperage (HBP) at 50 Hz	1.6 A

## MECHANICAL DATA

Displacement	11.14 cm <sup>3</sup>
Oil Charge	150 ml
Oil Type	ALQUILB
Oil Viscosity	ISO5
Weight	7.9 Kg

## ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Starting Device Type	PTC
Starting Device Description	MI2021 V230
Overload Protection	AE18BQX

## EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	YES

Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42° UP + 45° TO BACK	COPPER
Discharge	5.1 mm	SLANTED 42° UP + 45° TO BACK	COPPER
Process	6 mm	SLANTED 43° UP + 45° TO BACK	COPPER(OD)

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-600a
Tested Application	LBP
Tested Standard	ASHRAE
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
54.4	-23.3	191	1.57	122	0.78	2.06

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

**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	104	1.28	81	0.67	1.12
-30	141	1.48	95	0.70	1.51
-25	186	1.69	110	0.75	2.00
-20	240	1.90	126	0.80	2.58
-15	304	2.13	143	0.86	3.27
-10	377	2.36	160	0.93	4.07

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

**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	129	1.31	98	0.71	1.39
-25	173	1.50	116	0.76	1.86
-20	226	1.68	135	0.83	2.44
-15	288	1.86	155	0.90	3.11
-10	360	2.05	176	0.99	3.89

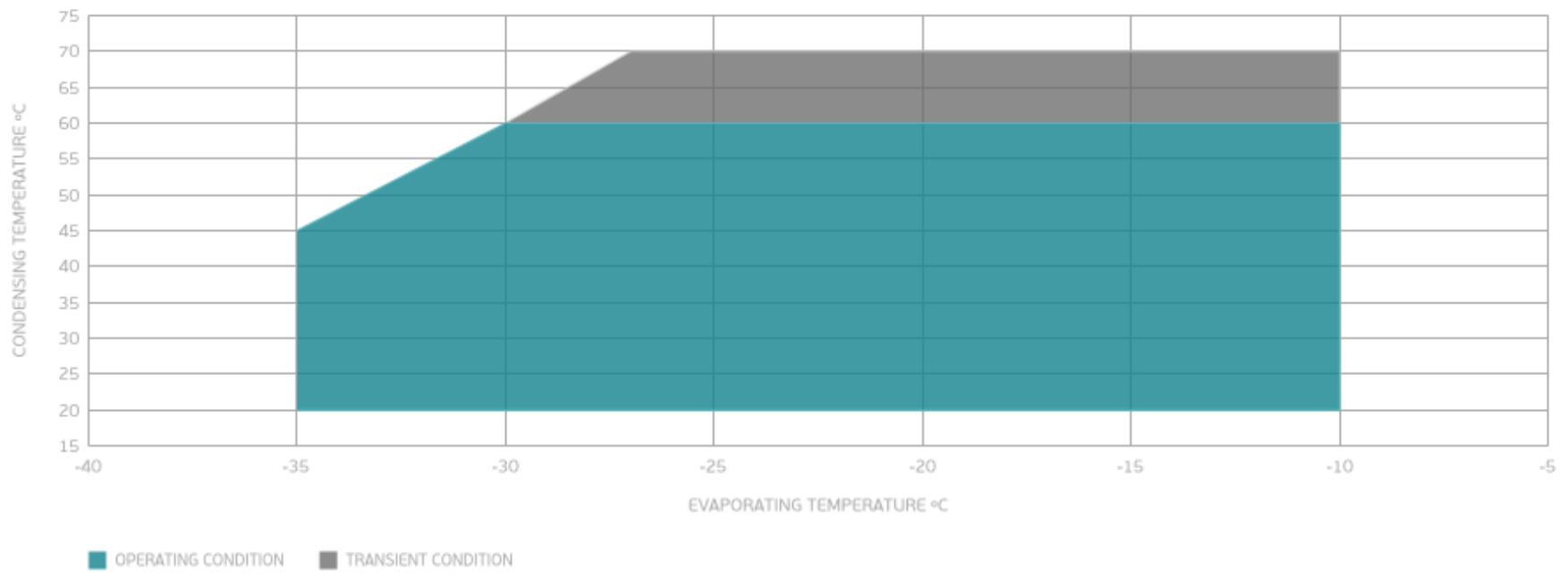
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**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	158	1.35	117	0.77	1.69
-20	209	1.51	138	0.85	2.25
-15	270	1.67	162	0.93	2.91
-10	340	1.82	187	1.03	3.67

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

## ENVELOPE



## EXTERNAL DIMENSIONS

