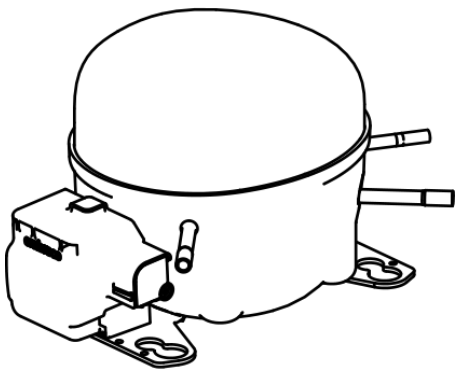


COMPRESSOR TECHNICAL DATA



EMYE70CLP



ENGINEERING CODE
513306562



REFRIGERANT
R-600a



POWER SUPPLY
220 V 50-60 Hz



APPLICATION
LBP



MOTOR TYPE
RSIR



STANDARD
EN12900



COOLING CAPACITY
99 W



EFFICIENCY
0.93 W/W

DATA

GENERAL DATA

Model	EMYE70CLP
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
HP	1/5
Starting Torque	LST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	14.88 Ω at 25°C
Run Winding Resistance	11.88 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	8.2 A
Locked Rotor Amperage (LRA) 60Hz	7.8 A
Rated Load Amperage (LMBP) at 50 Hz	1.4 A
Rated Load Amperage (LMBP) at 60 Hz	1.4 A
Rated Load Amperage (HBP) at 50 Hz	1.9 A
Rated Load Amperage (HBP) at 60 Hz	1.6 A

MECHANICAL DATA

Displacement	10.61 cm³
Oil Charge	180 ml
Oil Type	ALQUILB
Oil Viscosity	ISO5
Weight	7.4 Kg

ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Starting Device Type	PTC
Starting Device Description	8EA17C1 QPS2-A22MG1
Overload Protection	4TM283NFBYY-53

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-600a
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Static
Tested Voltage	220 V
Max Refrigerant Charge	150 g
Refrigerant Temperature	Dew

Performance on Compressor Speed: 3000 RPM

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	99	0.93	106	-	1.21
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	108	1.03	104	-	1.26
-30	142	1.23	115	-	1.66
-25	184	1.44	128	-	2.16
-20	233	1.67	139	-	2.74
-15	290	1.94	149	-	3.40
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	90	0.85	107	-	1.15
-30	122	1.02	119	-	1.55
-25	160	1.20	134	-	2.04
-20	205	1.38	149	-	2.62
-15	257	1.58	163	-	3.30
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	102	0.86	119	-	1.43
-25	137	1.01	136	-	1.92
-20	178	1.16	154	-	2.50
-15	225	1.31	171	-	3.18
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

Performance on Compressor Speed: 3600 RPM

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	124	1.18	105	-	1.46
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	129	1.27	102	-	1.51
-30	161	1.41	114	-	1.93
-25	208	1.60	130	-	2.43
-20	267	1.82	147	-	3.08
-15	334	2.06	162	-	3.92
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

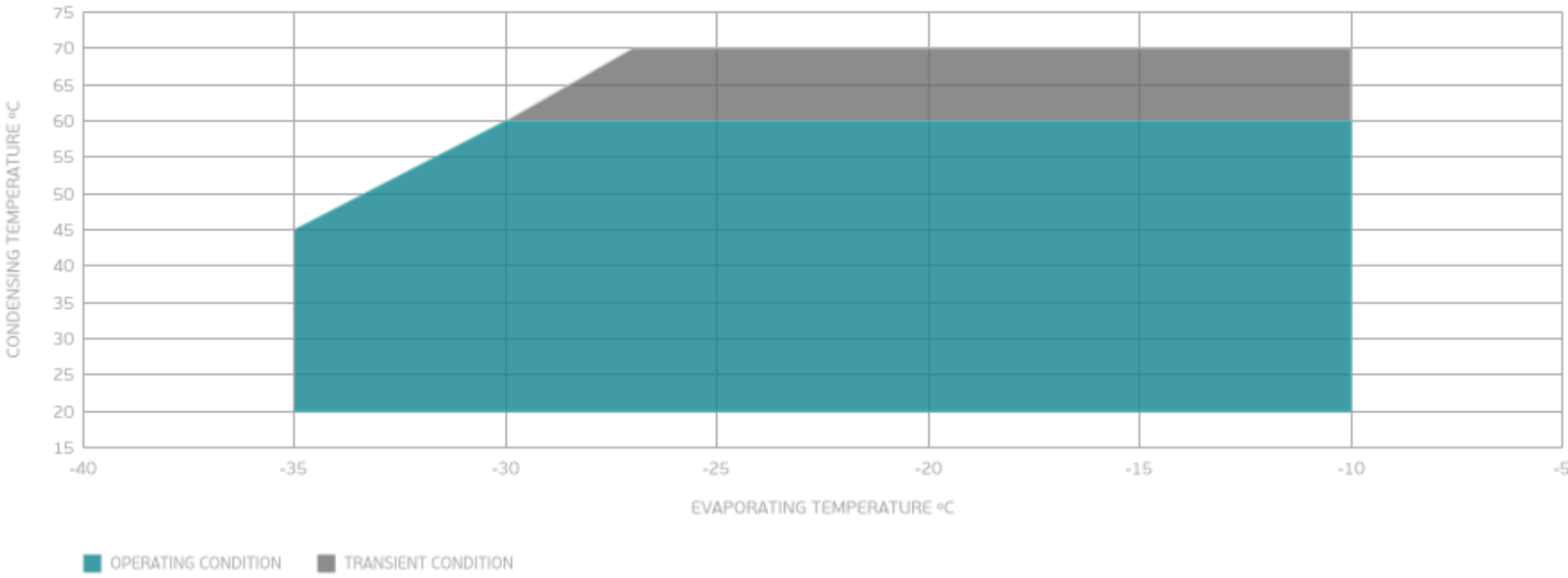
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-35	112	1.05	107	-	1.42
-30	140	1.17	119	-	1.83
-25	181	1.33	136	-	2.31
-20	234	1.50	155	-	2.94
-15	293	1.68	175	-	3.76
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication 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	116	0.97	120	-	1.68
-25	153	1.11	137	-	2.15
-20	199	1.26	158	-	2.75
-15	251	1.39	181	-	3.55
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

ENVELOPE



External

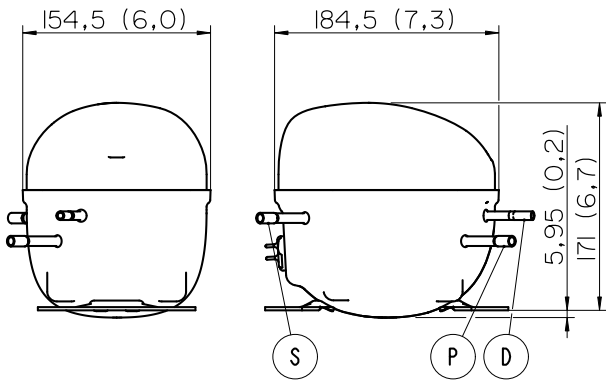
EXTERNAL CHARACTERISTICS

Base Plate	RC EUEM
Tray Holder	NO

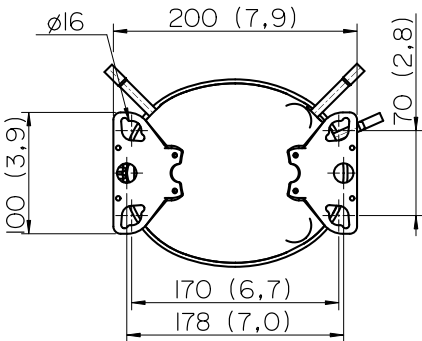
Connector	Internal Diameter	Shape	Material
Suction	8.2 mm	SLANTED 42° UP + 45° TO BACK	COPPER
Discharge	4.94 mm	SLANTED 30° UP + 24° TO BACK	COPPER
Process	6.5 mm	SLANTED 45° UP + 45° TO BACK	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

