

EMY3118Y



ENGINEERING CODE
513301827

REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
L/MBP

MOTOR TYPE
RSCR

STANDARD
EN12900

COOLING CAPACITY
366 W

EFFICIENCY
2.06 W/W



DATA

GENERAL DATA

Model	EMY3118Y
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	L/MBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
HP	1/4-
Starting Torque	LST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	15.23 Ω at 25°C
Run Winding Resistance	15.03 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	8.2 A
Rated Load Amperage (LMBP) at 50 Hz	1 A
Rated Load Amperage (HBP) at 50 Hz	1.2 A

MECHANICAL DATA

Displacement	12.21 cm ³
Oil Charge	150 ml
Oil Type	ALQUILB
Oil Viscosity	ISO5
Weight	7.7 Kg

ELECTRICAL COMPONENTS

Run Capacitor	5.0 µf/350 V
CSR CSIR BOX	No
Starting Device Type	PTC
Starting Device Description	MI2021 V230
Overload Protection	AE15BU AE19BU

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-600a
Tested Application	MBP
Tested Standard	EN12900
Tested Cooling	Static
Tested Voltage	220 V
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
45	-10	366	2.06	178	-	4.7

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	101	1.06	96	-	1.28
-30	135	1.23	110	-	1.72
-25	179	1.42	126	-	2.28
-20	231	1.62	143	-	2.96
-15	294	1.83	161	-	3.76
-10	366	2.06	178	-	4.70
-5	448	2.31	194	-	5.78
0	541	2.60	208	-	7.00

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

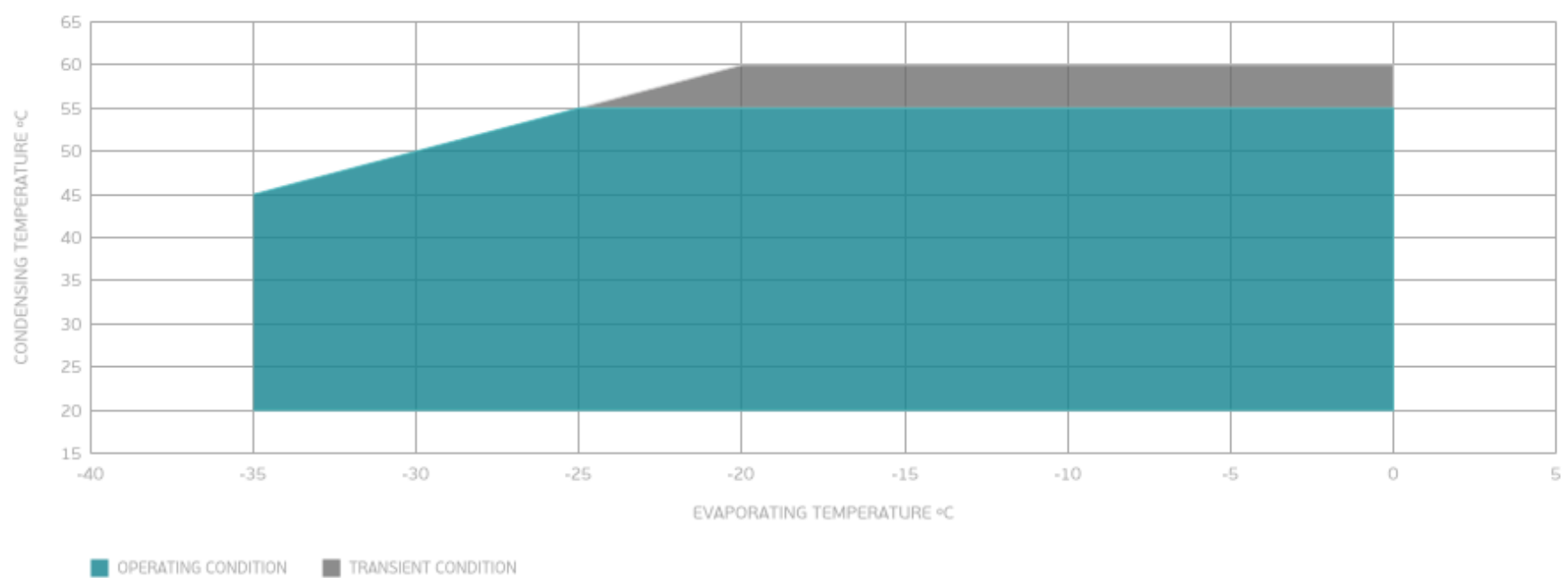
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	153	1.18	130	-	2.15
-20	200	1.34	149	-	2.81
-15	255	1.49	171	-	3.60
-10	319	1.66	192	-	4.51
-5	391	1.83	214	-	5.56
0	473	2.02	234	-	6.76

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

ENVELOPE



External

EXTERNAL CHARACTERISTICS

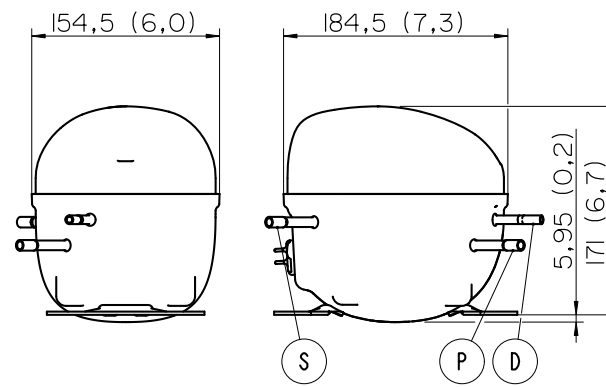
Base Plate	SMALL
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
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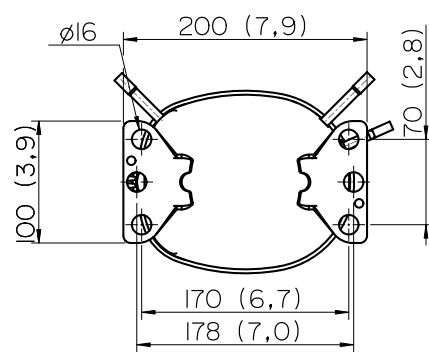
Suction	6.1 mm	SLANTED 42° UP + 45° TO BACK	COPPER
Discharge	4.94 mm	SLANTED 0° UP + 24° TO BACK	COPPER
Process	6.1 mm	SLANTED 45° UP + 45° TO BACK	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

