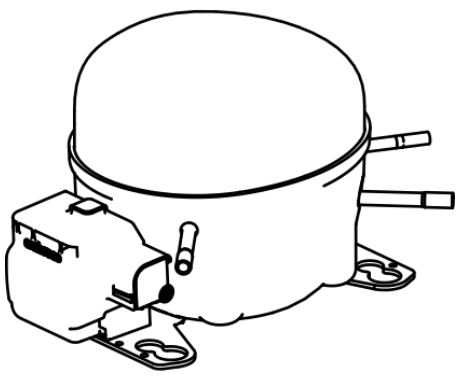
COMPRESSOR TECHNICAL DATA

EMU55HLP



ENGINEERING CODE
513304519

REFRIGERANT
R-134a

POWER SUPPLY
115-127 V 60 Hz

APPLICATION
LBP

MOTOR TYPE
RSIR

STANDARD
AHRI

COOLING CAPACITY
91 W

EFFICIENCY
1.18 W/W

DATA

GENERAL DATA

Model	EMU55HLP
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/115
HP	1/5
Starting Torque	LST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	11.5 Ω at 25°C
Run Winding Resistance	5.6 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	11 A

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MECHANICAL DATA

Displacement	4.15 cm^3
Oil Charge	150 ml
Oil Type	ESTER
Oil Viscosity	ISO7
Weight	7.8 Kg

ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Starting Device Type	PTC
Starting Device Description	8EA14B1

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	LBP
Tested Standard	AHRI
Tested Cooling	Static
Tested Voltage	115 V
Max Refrigerant Charge	250 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
40.6	-31.7	91	1.18	77	-	2.19

Test Condition: Subcooling 0 K, Return Gas 4.4 °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	82	1.21	68	-	1.86
-30	110	1.39	79	-	2.50
-25	147	1.61	91	-	3.34
-20	193	1.87	103	-	4.39
-15	249	2.17	114	-	5.70
-10	315	2.53	125	-	7.28

Test Condition: Subcooling 0 K, Return Gas 4.4 °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	69	0.98	71	-	1.73
-30	93	1.13	83	-	2.34
-25	125	1.29	96	-	3.14
-20	164	1.48	111	-	4.14
-15	213	1.69	126	-	5.39
-10	271	1.93	140	-	6.91

Test Condition: Subcooling 0 K, Return Gas 4.4 °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	75	0.90	83	-	2.10
-25	101	1.03	98	-	2.86
-20	135	1.17	115	-	3.82
-15	176	1.32	133	-	5.01
-10	225	1.49	151	-	6.45

Test Condition: Subcooling 0 K, Return Gas 4.4 °C. Data are an indication of performance based simulation.

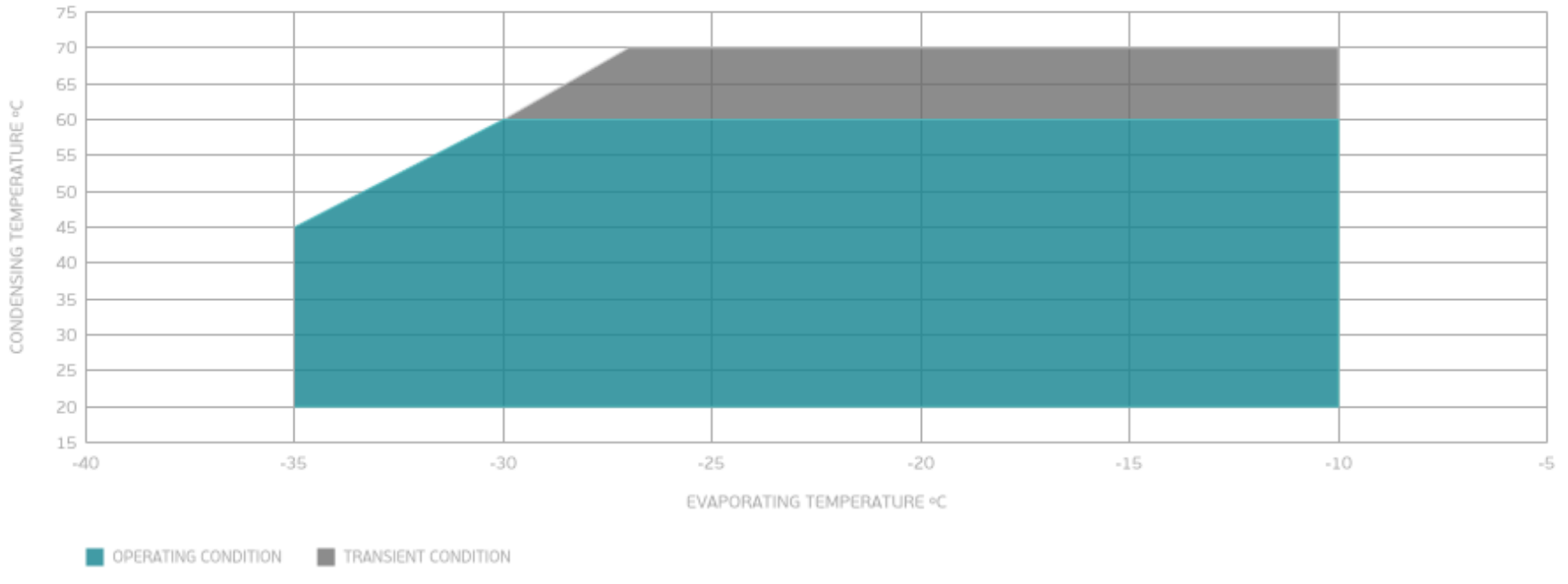
PERFORMANCE CURVE

Condensing Temperature 65°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	77	0.80	96	-	2.47
-20	104	0.91	114	-	3.38
-15	138	1.02	135	-	4.51
-10	178	1.14	156	-	5.89

Test Condition: Subcooling 0 K, Return Gas 4.4 °C. Data are an indication of performance based simulation.

ENVELOPE



External

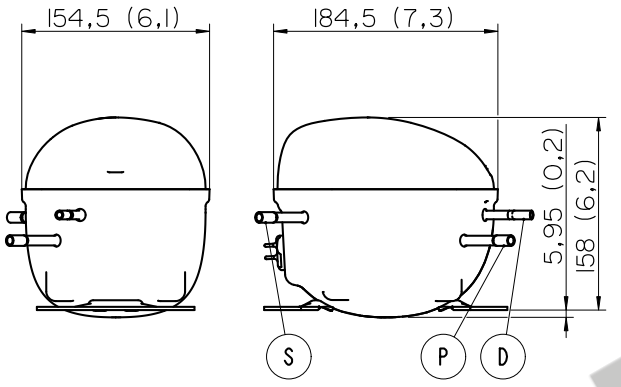
EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	NO

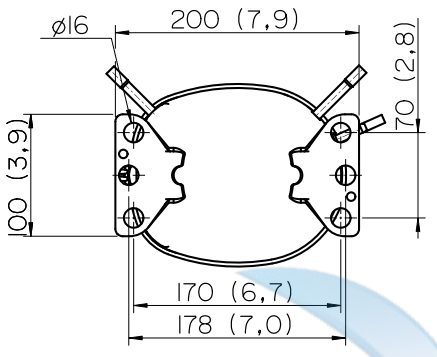
Connector	Internal Diameter	Shape	Material
Suction	6.5 mm	SLANTED 42º UP + 45° TO BACK	COPPER
Discharge	4.94 mm	SLANTED PARALLET BP+24°TO BACK	COPPER
Process	6.5 mm	SLANTED 45° UP + 45° TO BACK	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



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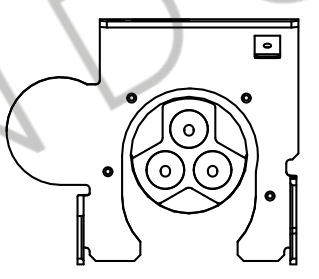

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