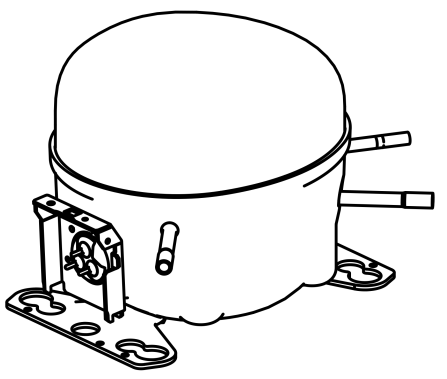
COMPRESSOR TECHNICAL DATA

EMT2125U



ENGINEERING CODE
513300745

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
182 W

EFFICIENCY
1.32 W/W

DATA

GENERAL DATA

Model	EMT2125U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Fan/220
HP	1/3
Starting Torque	LST
Plant	CHINA

ELECTRICAL DATA

Start Winding Resistance	null
Run Winding Resistance	null
Locked Rotor Amperage (LRA) 50Hz	8.5 A

MECHANICAL DATA

Displacement	5.96 cm^3
Oil Charge	180 ml
Oil Type	ALQUILB
Oil Viscosity	ISO22
Weight	7.4 Kg

ELECTRICAL COMPONENTS

Start Capacitor	43-53 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-34*
Overload Protection	4TM276RFBYY-53

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Fan
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
40	-35	182	1.32	138	-	2.09

Test Condition: Subcooling 0 K, Return Gas 20 ºC. 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
-40	155	1.30	120	-	1.70
-35	202	1.51	134	-	2.22
-30	261	1.74	150	-	2.87
-25	331	1.99	166	-	3.65
-20	410	2.26	181	-	4.55
-15	498	2.56	194	-	5.55
-10	592	2.91	203	-	6.62

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
-40	125	0.98	128	-	1.50
-35	162	1.14	142	-	1.94
-30	210	1.31	159	-	2.53
-25	267	1.50	178	-	3.24
-20	333	1.68	198	-	4.06
-15	407	1.88	217	-	4.97
-10	485	2.08	233	-	5.97

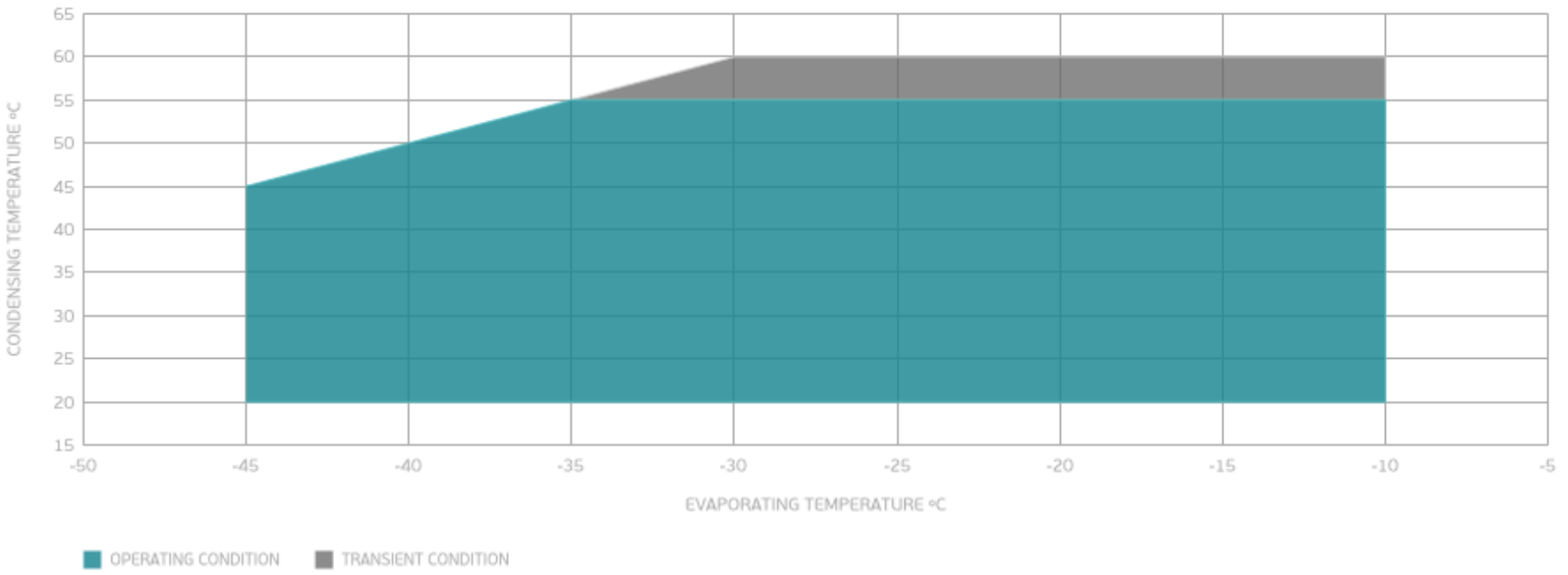
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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
-35	120	0.81	148	-	1.61
-30	157	0.95	165	-	2.12
-25	203	1.10	186	-	2.74
-20	256	1.23	208	-	3.48
-15	315	1.37	231	-	4.30
-10	379	1.50	253	-	5.20

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

ENVELOPE



External

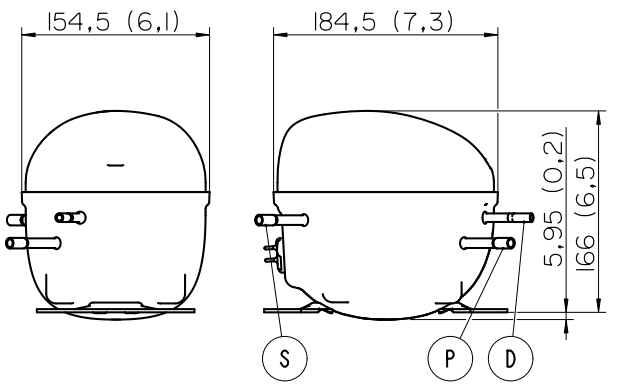
EXTERNAL CHARACTERISTICS

Base Plate	SMALL EUEM
Tray Holder	YES

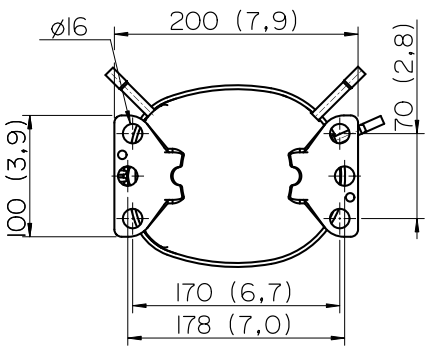
Connector	Internal Diameter	Shape	Material
Suction	6.2 mm	SLANTED 40° UP + 45° TO BACK	COPPER
Discharge	4.9 mm	SLANTED 0° UP + 24° TO BACK	COPPER
Process	6.2 mm	SLANTED 40° UP + 45° TO BACK	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



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