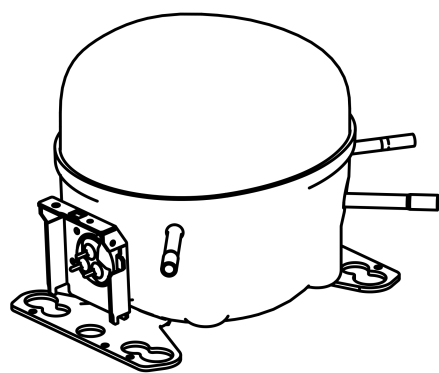


EMT1121U



**ENGINEERING CODE**  
513306280

**REFRIGERANT**  
R-290

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

**APPLICATION**  
LBP

**MOTOR TYPE**  
RSIR

**STANDARD**  
EN12900

**COOLING CAPACITY**  
167 W

**EFFICIENCY**  
1.14 W/W

DATA

GENERAL DATA

Model	EMT1121U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Fan/220
HP	1/3-
Starting Torque	LST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	26.57 $\Omega$ at 25°C
Run Winding Resistance	16.77 $\Omega$ at 25°C
Locked Rotor Amperage (LRA) 50Hz	8.1 A
Rated Load Amperage (LMBP) at 50 Hz	2.1 A
Rated Load Amperage (HBP) at 50 Hz	2.2 A

## MECHANICAL DATA

Displacement	5.56 cm <sup>3</sup>
Oil Charge	180 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	7.8 Kg

## ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Starting Device Type	PTC
Starting Device Description	8EA17C1 QPS2-A22MG1 QPS2-A22MG1 092
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	167	1.14	146	-	1.91

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
-40	140	1.08	130	-	1.53
-35	181	1.26	143	-	1.98
-30	229	1.45	158	-	2.53
-25	286	1.66	172	-	3.16
-20	350	1.90	184	-	3.88
-15	422	2.16	195	-	4.70
-10	501	2.47	203	-	5.61

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	117	0.88	133	-	1.41
-35	153	1.03	149	-	1.84
-30	195	1.18	165	-	2.36
-25	245	1.34	183	-	2.97
-20	302	1.51	200	-	3.67
-15	366	1.69	216	-	4.48
-10	437	1.89	231	-	5.37

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	162	0.95	170	-	2.17
-25	204	1.08	189	-	2.76
-20	254	1.21	210	-	3.44
-15	309	1.34	231	-	4.22
-10	371	1.47	252	-	5.10

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

## ENVELOPE



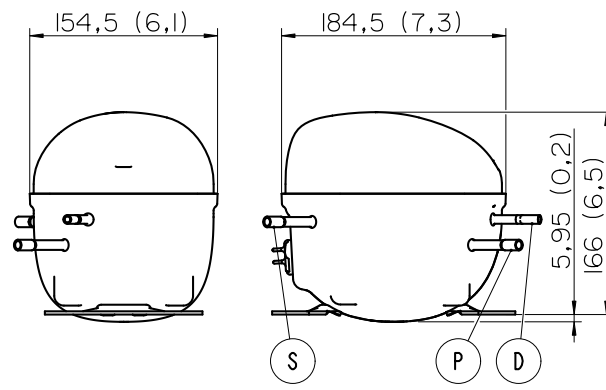
## External

### EXTERNAL CHARACTERISTICS

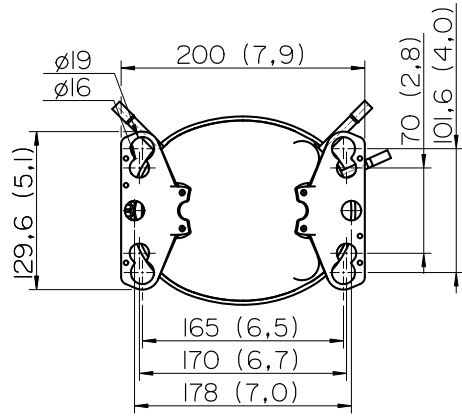
Base Plate		UNI EUEM	
Tray Holder		NO	
<b>Connector</b>	<b>Internal Diameter</b>	<b>Shape</b>	<b>Material</b>
Suction	6.5 mm	STRAIGHT	COPPER
Discharge	6.5 mm	STRAIGHT	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

