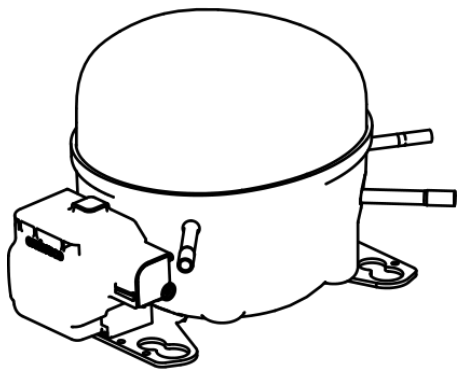


EMT2121U



ENGINEERING CODE
513300293



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
168 W



EFFICIENCY
1.32 W/W

DATA

GENERAL DATA

Model	EMT2121U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/3-
Starting Torque	HST
Plant	CHINA

ELECTRICAL DATA

Start Winding Resistance	null
Run Winding Resistance	null
Locked Rotor Amperage (LRA) 50Hz	7.7 A

MECHANICAL DATA

Displacement	5.56 cm³
Oil Charge	180 ml
Oil Type	ALQUILB
Oil Viscosity	ISO22
Weight	7.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	43-53 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-0015*
Overload Protection	4TM276NFBYY-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	168	1.32	127	-	1.93
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.						

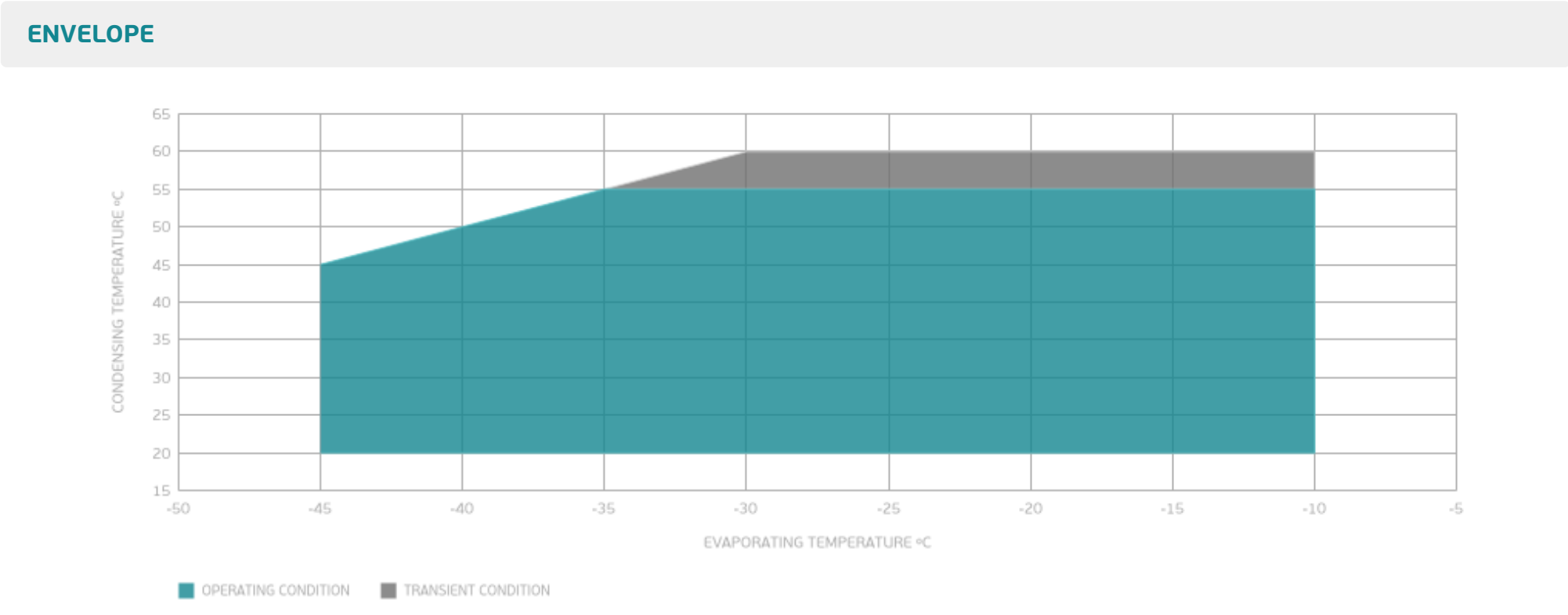
PERFORMANCE CURVE

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	144	1.32	109	-	1.58
-35	191	1.56	123	-	2.10
-30	246	1.79	137	-	2.71
-25	307	2.02	152	-	3.39
-20	372	2.25	166	-	4.13
-15	440	2.47	178	-	4.89
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	111	0.96	115	-	1.34
-35	147	1.13	130	-	1.77
-30	192	1.30	147	-	2.32
-25	244	1.48	165	-	2.95
-20	300	1.64	183	-	3.65
-15	360	1.80	200	-	4.40
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	112	0.84	133	-	1.50
-30	145	0.96	151	-	1.95
-25	186	1.08	172	-	2.51
-20	232	1.20	193	-	3.15
-15	282	1.32	214	-	3.85
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

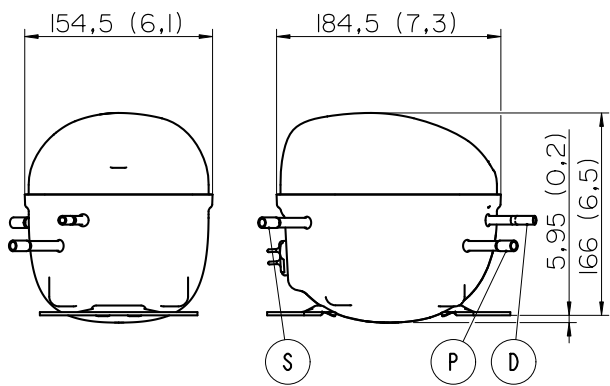


External

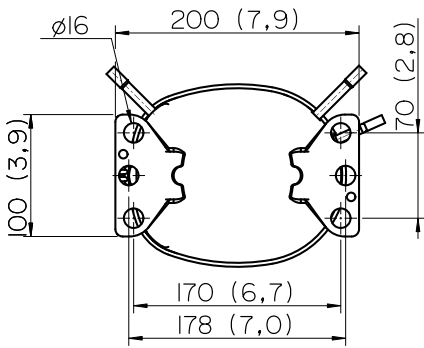
EXTERNAL CHARACTERISTICS			
Base Plate		SMALL EUEM	
Tray Holder		YES	
Connector	Internal Diameter	Shape	Material
Suction	6.2 mm	SLANTED 40° UP + 45° TO BACK	COPPER
Discharge	4.9 mm	SLANTED 0° UP + 24° TO BACK	COPPER
Process	6.2 mm	SLANTED 40° UP + 45° TO BACK	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

