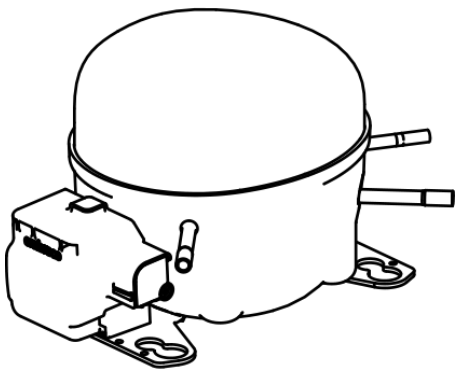


EMT2121U



ENGINEERING CODE
513300414



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
168 W



EFFICIENCY
1.33 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

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

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	220 V
Tested Frequency	50 Hz
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	1.33	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	145	1.33	109	-	1.59
-35	190	1.55	122	-	2.08
-30	244	1.78	137	-	2.68
-25	306	2.01	152	-	3.38
-20	373	2.25	166	-	4.14
-15	445	2.49	179	-	4.96
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

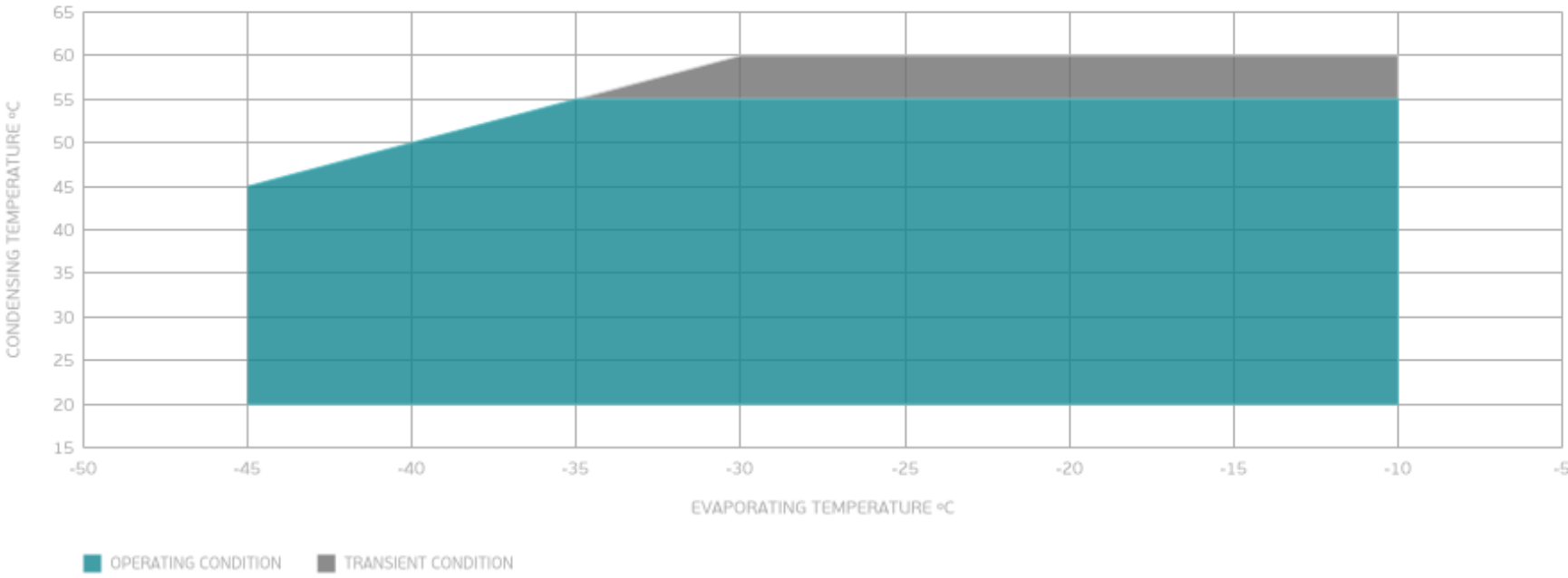
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	114	0.98	116	-	1.36
-35	148	1.13	131	-	1.78
-30	192	1.30	148	-	2.32
-25	243	1.47	165	-	2.95
-20	301	1.64	183	-	3.66
-15	362	1.81	200	-	4.43
Test Condition: Subcooling 0 K, Return Gas 20 °C. 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	144	0.95	151	-	1.94
-25	185	1.07	172	-	2.49
-20	231	1.20	193	-	3.13
-15	281	1.32	214	-	3.84
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

