

EMT2130U



ENGINEERING CODE
513306231



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
192 W



EFFICIENCY
1.1 W/W



DATA

GENERAL DATA

Model	EMT2130U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/2-
Starting Torque	HST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	16.95 Ω at 25°C
Run Winding Resistance	10.1 Ω at 25°C

MECHANICAL DATA

Displacement	6.76 cm³
Oil Charge	180 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	DRB200L52AXF

EXTERNAL CHARACTERISTICS

Base Plate	SMALL EUEM
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Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42° UP + 45° TO BACK	COPPER
Discharge	4.94 mm	SLANTED PARALLET BP+24°TO BACK	COPPER
Process	6.1 mm	SLANTED 45° 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	192	1.1	175	-	2.21
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	160	1.03	155	-	1.75
-35	208	1.22	171	-	2.28
-30	265	1.41	188	-	2.91
-25	331	1.62	204	-	3.66
-20	409	1.86	220	-	4.53
-15	498	2.12	235	-	5.55
-10	600	2.44	246	-	6.72
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

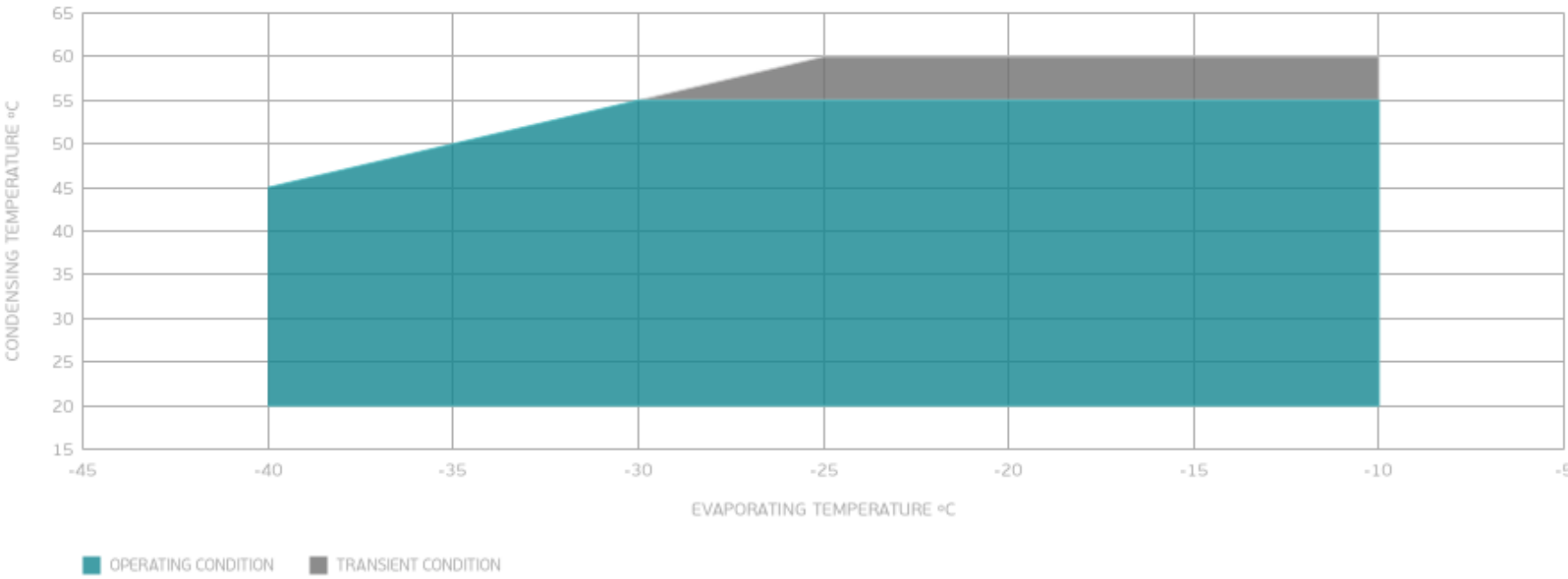
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	134	0.83	160	-	1.61
-35	177	0.99	178	-	2.13
-30	228	1.15	198	-	2.76
-25	288	1.32	219	-	3.49
-20	358	1.49	240	-	4.36
-15	439	1.69	260	-	5.37
-10	531	1.90	279	-	6.53
Test Condition: Subcooling 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	192	0.94	203	-	2.58
-25	245	1.08	227	-	3.31
-20	307	1.21	253	-	4.16
-15	378	1.36	278	-	5.16
-10	460	1.52	304	-	6.32
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

