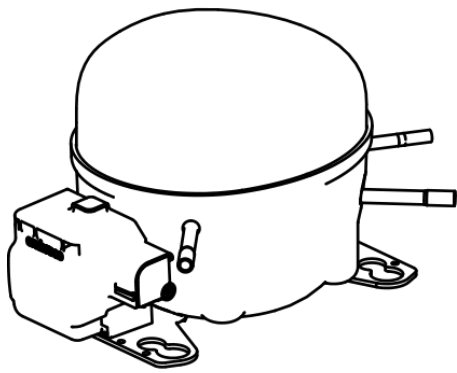


EMC3134U



ENGINEERING CODE
513301853



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50-60
Hz



APPLICATION
L/MBP



MOTOR TYPE
RSCR



STANDARD
EN12900



COOLING CAPACITY
286 W



EFFICIENCY
1.53 W/W

DATA

GENERAL DATA

Model	EMC3134U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	L/MBP
Expansion Device	Capillary Tube
Compressor Cooling	Fan/220
HP	1/3
Starting Torque	LST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	13.76 Ω at 25°C
Run Winding Resistance	7.62 Ω at 25°C

MECHANICAL DATA

Displacement	7.95 cm³
Oil Charge	150 ml
Oil Type	ALQUILB
Oil Viscosity	ISO22
Weight	7.8 Kg

ELECTRICAL COMPONENTS

Run Capacitor	5.0 µf/350 V
CSR CSIR BOX	No
Starting Device Type	PTC
Starting Device Description	8EA17C3 QPS2-A22MD3
Overload Protection	4TM319NFBYY-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

Performance on Compressor Speed: 3000 RPM

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	232	1.41	165	-	2.66
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
-35	251	1.56	161	-	2.75
-30	319	1.78	179	-	3.51
-25	401	2.03	198	-	4.43
-20	498	2.31	216	-	5.52
-15	610	2.63	232	-	6.79
-10	737	3.00	246	-	8.25
-5	880	3.43	257	-	9.92
0	1039	3.95	263	-	11.80
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
-35	213	1.27	168	-	2.57
-30	273	1.45	188	-	3.30
-25	345	1.64	210	-	4.18
-20	430	1.84	233	-	5.24
-15	529	2.07	256	-	6.47
-10	642	2.31	278	-	7.90
-5	769	2.58	298	-	9.53
0	911	2.89	315	-	11.38
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	289	1.32	218	-	3.90
-20	362	1.48	245	-	4.91
-15	447	1.64	273	-	6.10
-10	545	1.81	302	-	7.49
-5	655	1.99	330	-	9.08
0	779	2.19	357	-	10.88

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

Performance on Compressor Speed: 3600 RPM

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	286	1.53	187	-	3.28
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
-35	310	1.71	181	-	3.40
-30	389	1.93	202	-	4.29
-25	481	2.14	225	-	5.32
-20	587	2.38	247	-	6.51
-15	708	2.64	268	-	7.88
-10	846	2.95	286	-	9.47
-5	1002	3.32	301	-	11.29
0	1177	3.78	312	-	13.37
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
-35	262	1.37	191	-	3.16
-30	335	1.54	217	-	4.05
-25	418	1.71	245	-	5.07
-20	514	1.88	273	-	6.25
-15	623	2.07	301	-	7.62
-10	748	2.28	328	-	9.20
-5	889	2.53	351	-	11.01
0	1047	2.82	371	-	13.09
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

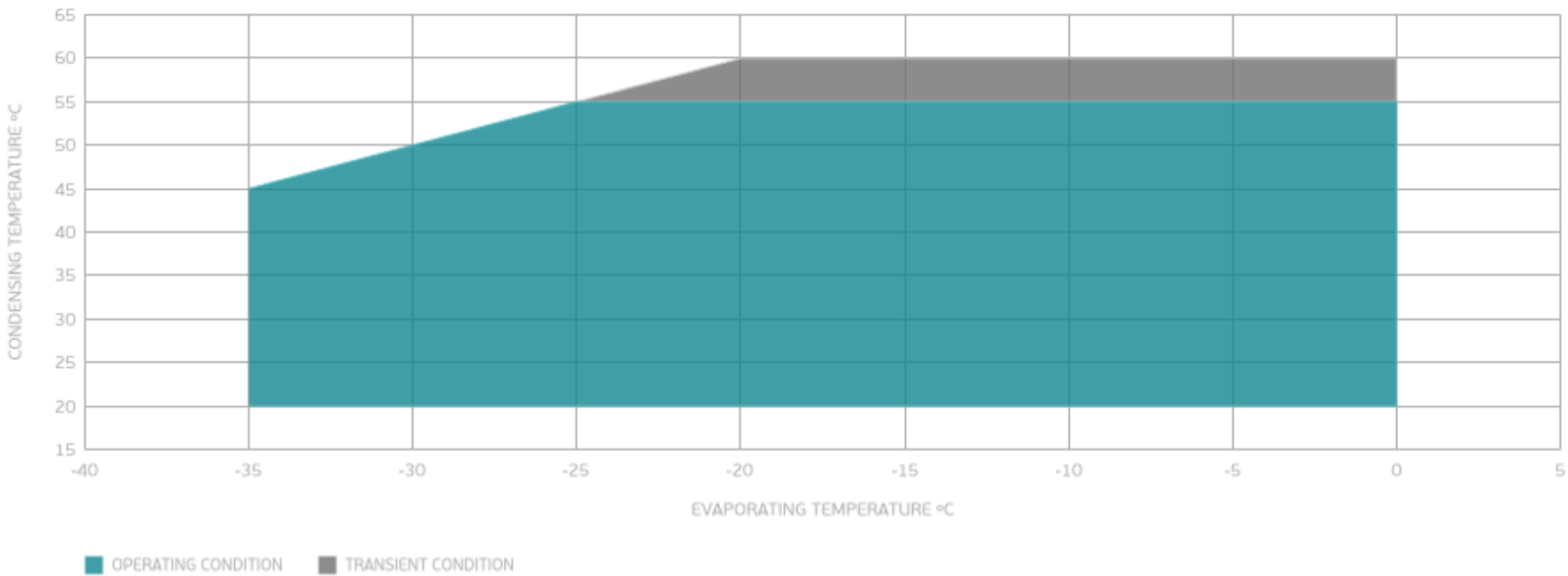
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	354	1.39	254	-	4.78
-20	439	1.52	288	-	5.95
-15	536	1.66	323	-	7.32
-10	647	1.81	357	-	8.89
-5	772	1.99	389	-	10.69
0	914	2.19	418	-	12.76

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

ENVELOPE



External

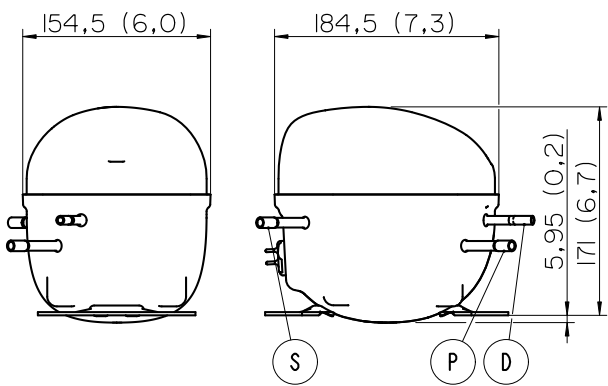
EXTERNAL CHARACTERISTICS

Base Plate	UNI
Tray Holder	NO

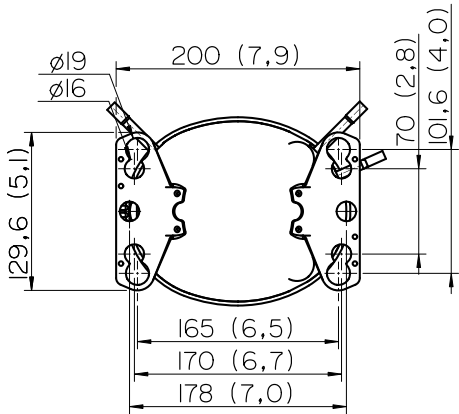
Connector	Internal Diameter	Shape	Material
Suction	6.5 mm	STRAIGHT	COPPER
Discharge	6.5 mm	STRAIGHT	COPPER
Process	6.5 mm	STRAIGHT	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

