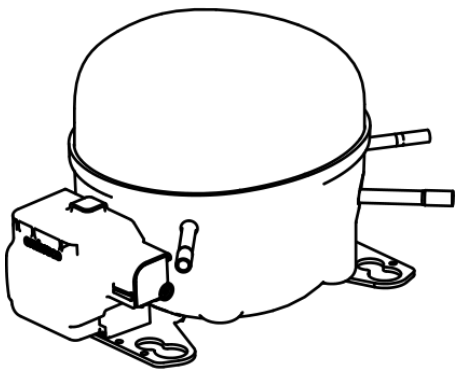


EMX6210U



ENGINEERING CODE
513304120



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
MBP



MOTOR TYPE
CSIR



STANDARD
AHRI



COOLING CAPACITY
804 W



EFFICIENCY
2.29 W/W

DATA

GENERAL DATA

Model	EMX6210U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/3
Starting Torque	HST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	14.2 Ω at 25°C
Run Winding Resistance	9.2 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	16 A

MECHANICAL DATA

Displacement	9.04 cm³
Oil Charge	150 ml
Oil Type	ALQUILB
Oil Viscosity	ISO22
Weight	7.4 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	QL2-6.2* QL2-6R2*
Overload Protection	DRB30N61AYF

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	MBP
Tested Standard	AHRI
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
43.3	-6.7	804	2.29	351	-	9.87

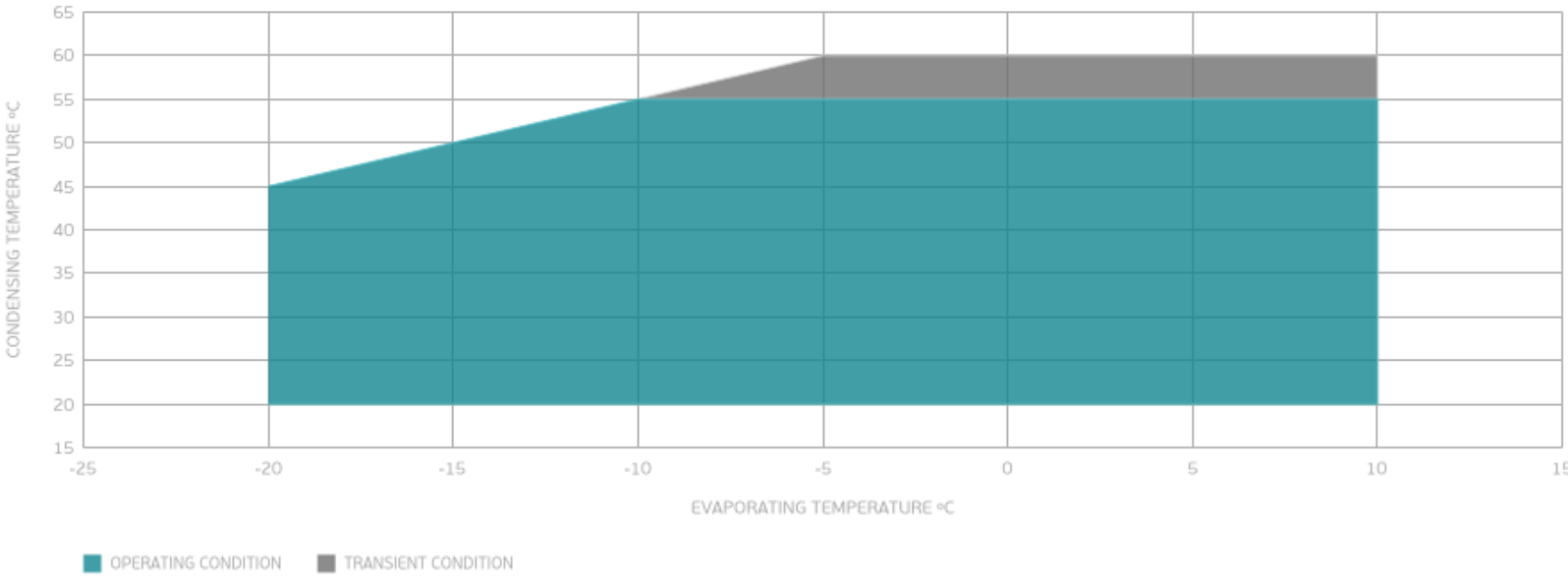
Test Condition: Subcooling 0 K, Return Gas 18.3 °C. Data are an indication of performance based simulation.

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
-20	532	2.02	263	-	5.95
-15	653	2.30	284	-	7.35
-10	796	2.62	303	-	8.99
-5	960	3.00	320	-	10.91
0	1145	3.46	331	-	13.12
5	1352	4.05	334	-	15.64
10	1582	4.83	327	-	18.49
Test Condition: Subcooling 0 K, Return Gas 18.3 °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
-20	461	1.60	289	-	5.67
-15	567	1.81	313	-	7.01
-10	691	2.03	340	-	8.59
-5	834	2.28	366	-	10.45
0	997	2.56	389	-	12.58
5	1178	2.90	407	-	15.03
10	1380	3.31	417	-	17.80
Test Condition: Subcooling 0 K, Return Gas 18.3 °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
-10	584	1.60	364	-	8.11
-5	706	1.78	396	-	9.88
0	845	1.97	429	-	11.94
5	1000	2.18	459	-	14.30
10	1173	2.42	484	-	16.98
Test Condition: Subcooling 0 K, Return Gas 18.3 °C. Data are an indication of performance based simulation.					

ENVELOPE



External

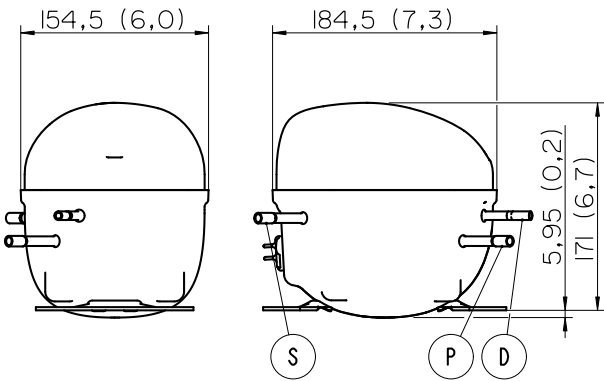
EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	YES

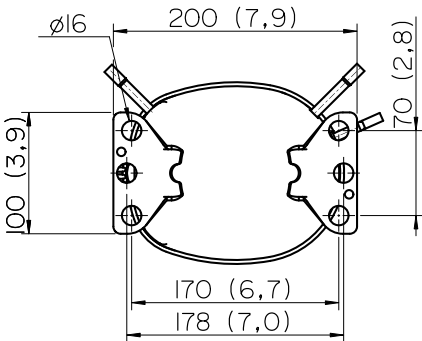
Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42° UP + 45° TO BACK	COPPER
Discharge	6.1 mm	SLANTED 0° UP + 24° TO BACK	COPPER
Process	6.1 mm	SLANTED 45° UP + 45° TO BACK	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

