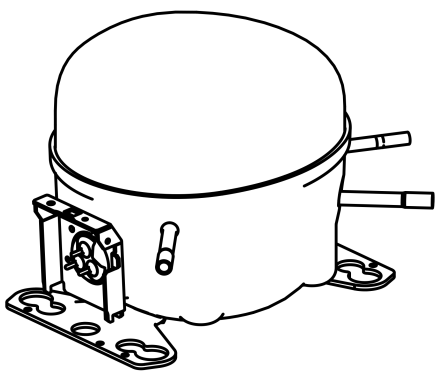
COMPRESSOR TECHNICAL DATA

EMTE6181U



ENGINEERING CODE
513300549

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
AHRI

COOLING CAPACITY
727 W

EFFICIENCY
2.48 W/W

DATA

Telpon: (021) 80627021, (021) 55787961
WhatsApp: 085722611888 (Chat Only)
Email: sales@polarin.co.id

GENERAL DATA

Model	EMTE6181U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/1
Starting Torque	HST
Plant	CHINA

ELECTRICAL DATA

Start Winding Resistance	21.5 Ω at 25°C
Run Winding Resistance	7.02 Ω at 25°C

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PT. POLARIN XININDO
Pergudangan Duta Niaga No. 9BL/BK
Jl. Halim Perdana Kusuma
Jurumudi Baru, Benda – Tangerang 15124

MECHANICAL DATA

Displacement	7.55 cm^3
Oil Charge	210 ml
Oil Type	ALQUILB
Oil Viscosity	ISO22
Weight	8.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/250 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	QL2-6.8*
Overload Protection	MST61AMN-3259

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	727	2.48	293	-	8.93

Test Condition: Subcooling 0 K, Return Gas 18.3 ºC. 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	483	2.13	227	-	5.41
-15	597	2.48	240	-	6.70
-10	736	2.91	253	-	8.31
-5	898	3.42	263	-	10.22
0	1081	4.04	267	-	12.40
5	1281	4.83	265	-	14.81
10	1494	5.88	254	-	17.45

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	417	1.65	253	-	5.13
-15	506	1.88	269	-	6.26
-10	618	2.15	287	-	7.69
-5	750	2.47	304	-	9.40
0	900	2.83	318	-	11.36
5	1063	3.26	327	-	13.56
10	1238	3.77	328	-	15.96

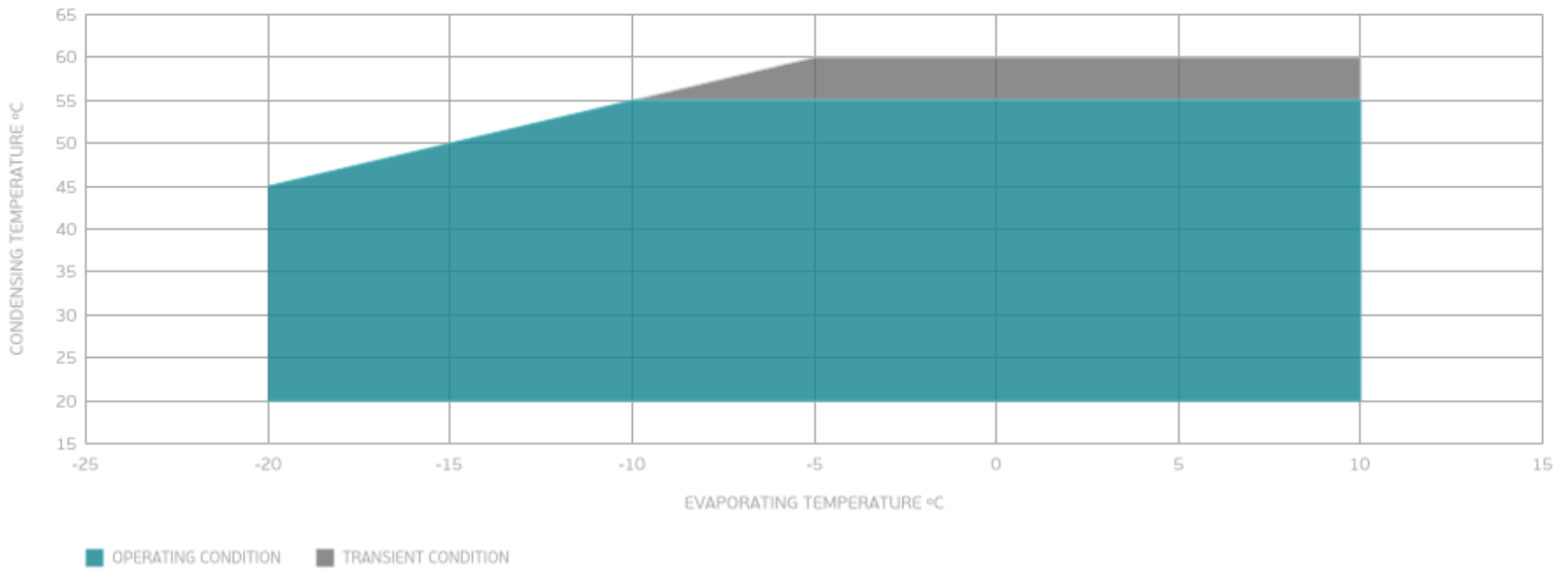
Test Condition: Subcooling 0 K, Return Gas 18.3 °C. Data are an indication of performance based simulation.

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	496	1.61	309	-	6.89
-5	599	1.81	331	-	8.38
0	716	2.04	351	-	10.11
5	844	2.28	369	-	12.06
10	980	2.56	382	-	14.20

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

ENVELOPE



External

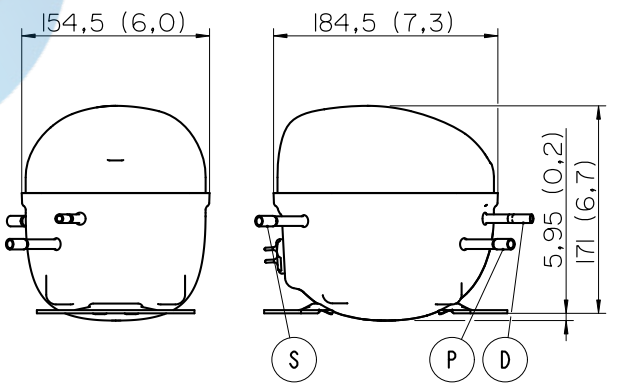
EXTERNAL CHARACTERISTICS

Base Plate	UNI EUEM
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	8.2 mm	SLANTED 40° UP + 45° TO BACK	COPPER
Discharge	6.1 mm	SLANTED 0° UP + 24° TO BACK	COPPER
Process	6.2 mm	SLANTED 40° UP + 45° TO BACK	COPPER

EXTERNAL DIMENSIONS

SHELL



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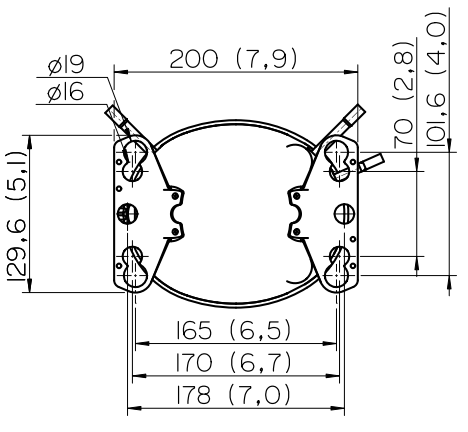

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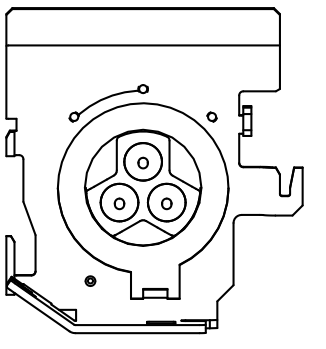

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