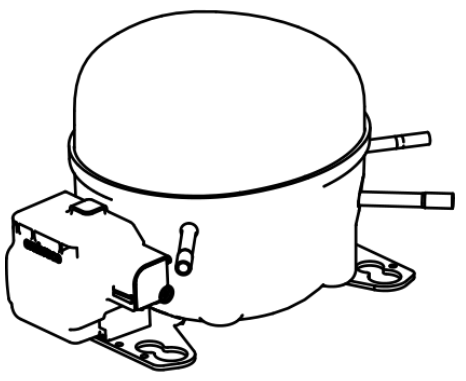
COMPRESSOR TECHNICAL DATA

EMT2130GK



ENGINEERING CODE
913AA62

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSIR

STANDARD
ASHRAE

COOLING CAPACITY
381 W

EFFICIENCY
1.3 W/W

DATA

GENERAL DATA

Model	EMT2130GK
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	ITALY

ELECTRICAL DATA

Start Winding Resistance	17.0 Ω at 25°C
Run Winding Resistance	10.0 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	12.4 A

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MECHANICAL DATA

Displacement	6.76 cm^3
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
Starting Device Description	MTRPH-0025-59*
Overload Protection	T0971/G6

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 V
Max Refrigerant Charge	250 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
54.4	-23.3	381	1.3	292	1.82	8.82

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	193	1.08	179	1.50	4.42
-35	251	1.24	202	1.55	5.78
-30	322	1.42	227	1.62	7.43
-25	405	1.60	253	1.71	9.40
-20	502	1.79	280	1.80	11.70
-15	613	2.00	307	1.90	14.38
-10	739	2.21	334	2.00	17.43

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	175	0.95	185	1.50	4.01
-35	231	1.10	210	1.56	5.31
-30	299	1.25	239	1.64	6.89
-25	380	1.41	271	1.74	8.80
-20	474	1.56	305	1.86	11.03
-15	583	1.71	341	1.98	13.64
-10	706	1.86	378	2.11	16.62

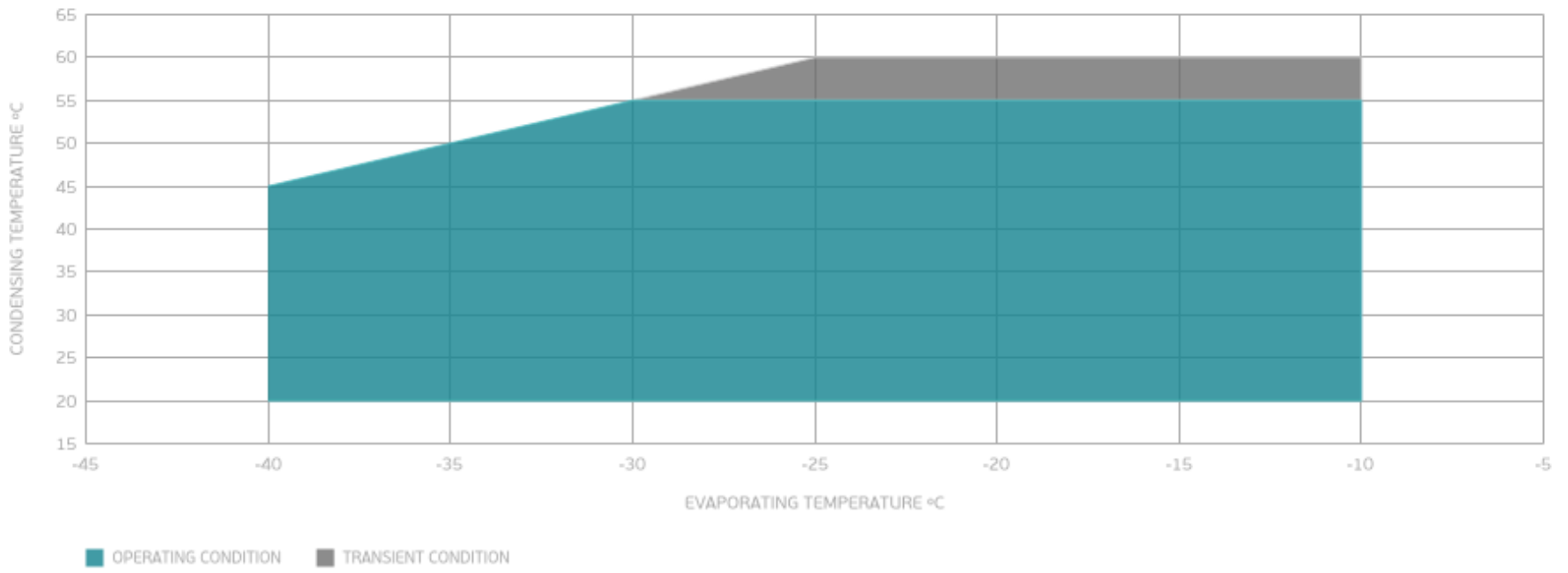
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	272	1.12	243	1.66	6.25
-25	350	1.25	279	1.78	8.07
-20	441	1.38	320	1.92	10.23
-15	546	1.50	364	2.08	12.75
-10	666	1.62	411	2.25	15.65

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



External

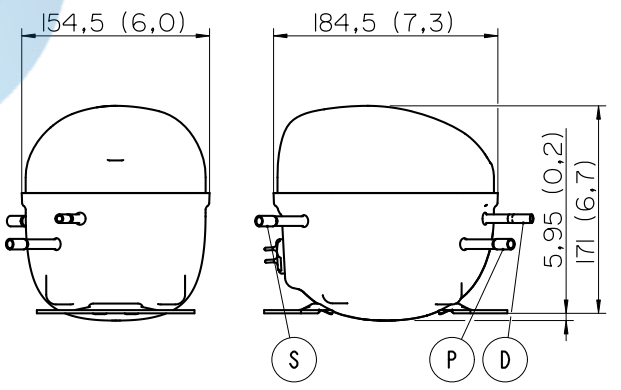
EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	NO

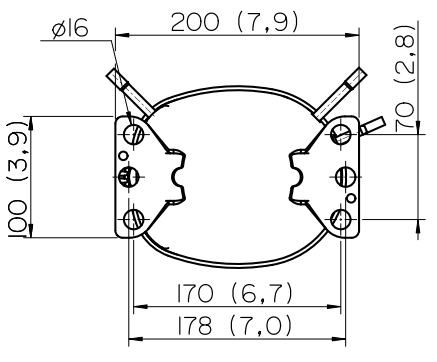
Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42°	COPPER
Discharge	4.94 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 42°	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



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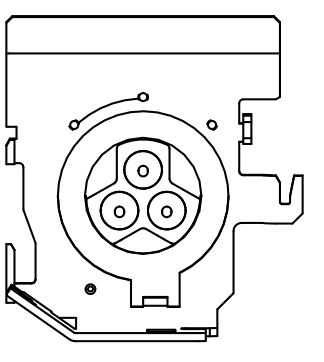

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