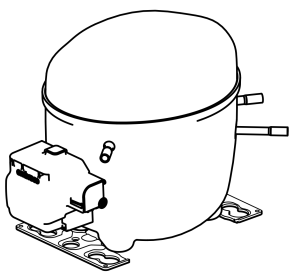
COMPRESSOR TECHNICAL DATA

EG130HLR



ENGINEERING CODE
513700058

REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
RSIR/CSIR

STANDARD
ASHRAE

COOLING CAPACITY
301 W

EFFICIENCY
1.36 W/W

DATA

GENERAL DATA

Model	EG130HLR
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
HP	1/3+
Starting Torque	LST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	34.7 Ω at 25°C
Run Winding Resistance	7.6 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	16.2 A
Rated Load Amperage (LMBP) at 50 Hz	2.3 A
Rated Load Amperage (HBP) at 50 Hz	2.6 A

MECHANICAL DATA

Displacement	10.61 cm^3
Oil Charge	280 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.2 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/220 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	213516442 213516469*
Overload Protection	4TM319NFBYY-53

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Static
Tested Voltage	220 V
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	301	1.36	222	1.74	5.84

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 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-35	166	1.14	146	1.56	3.21
-30	224	1.30	172	1.64	4.34
-25	296	1.47	202	1.70	5.75
-20	386	1.66	233	1.77	7.50
-15	495	1.88	263	1.84	9.64
-10	626	2.16	290	1.92	12.24

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 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	202	1.14	177	1.64	3.90
-25	272	1.29	210	1.71	5.27
-20	359	1.46	245	1.79	6.97
-15	465	1.66	280	1.88	9.05
-10	592	1.89	313	1.99	11.57

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

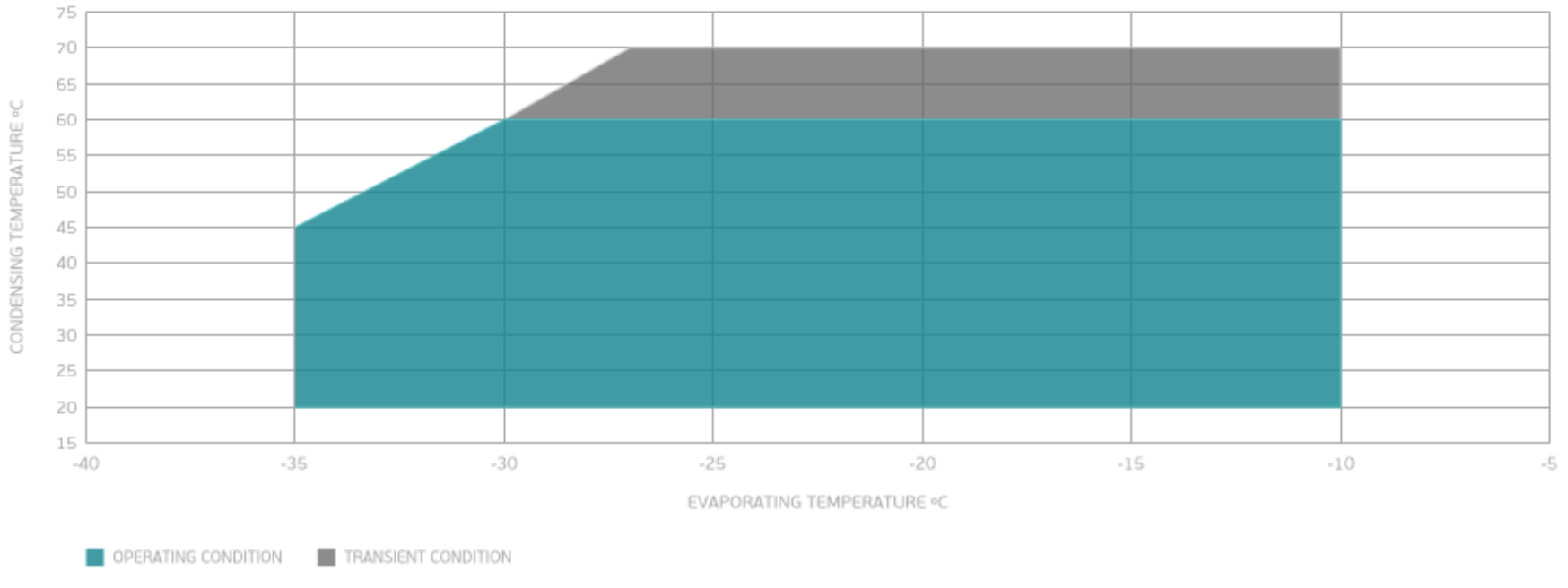
PERFORMANCE CURVE

Condensing Temperature 65ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	239	1.16	206	1.72	4.64
-20	324	1.32	246	1.81	6.29
-15	426	1.49	286	1.91	8.31
-10	550	1.70	325	2.05	10.76

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

ENVELOPE



External

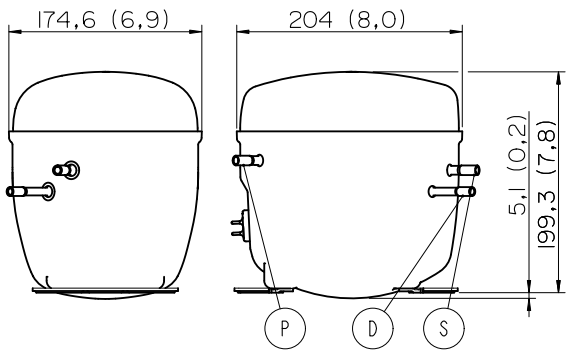
EXTERNAL CHARACTERISTICS

Base Plate	UNI V2
Tray Holder	NO

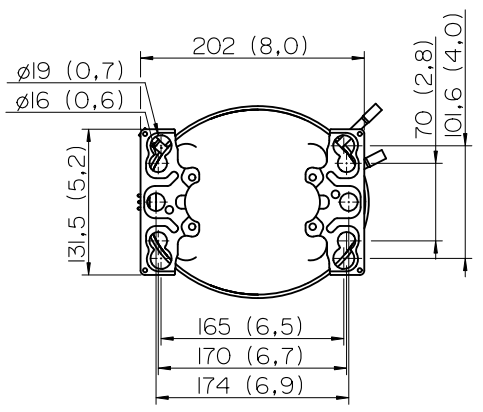
Connector	Internal Diameter	Shape	Material
Suction	8.2 mm	SLANTED	COPPER PLATED STEEL
Discharge	6.5 mm	SLANTED	COPPER PLATED STEEL
Process	6.5 mm	SLANTED	COPPER PLATED STEEL

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE