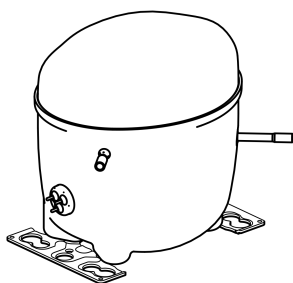


FFI12HBX



ENGINEERING CODE
513200624

REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
HBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
997 W

EFFICIENCY
2.21 W/W

DATA

GENERAL DATA

Model	FFI12HBX
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/3+
Starting Torque	HST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	17.45 Ω at 25°C
Run Winding Resistance	6.45 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	19 A
Rated Load Amperage (LMBP) at 50 Hz	3.7 A
Rated Load Amperage (HBP) at 50 Hz	4.1 A

MECHANICAL DATA

Displacement	11.14 cm ³
Oil Charge	280 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.4 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/250 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	213516450*
Overload Protection	4TM757UFBYY-53

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	HBP
Tested Standard	EN12900
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
50	5	997	2.21	452	-	25.02

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
-5	686	1.79	383	-	16.10
0	862	2.13	406	-	20.35
5	1066	2.49	428	-	25.37
10	1291	2.86	452	-	31.06
15	1535	3.19	481	-	37.35

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
0	749	1.70	440	-	19.68
5	925	1.95	474	-	24.54
10	1119	2.17	515	-	30.04
15	1328	2.34	568	-	36.09

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

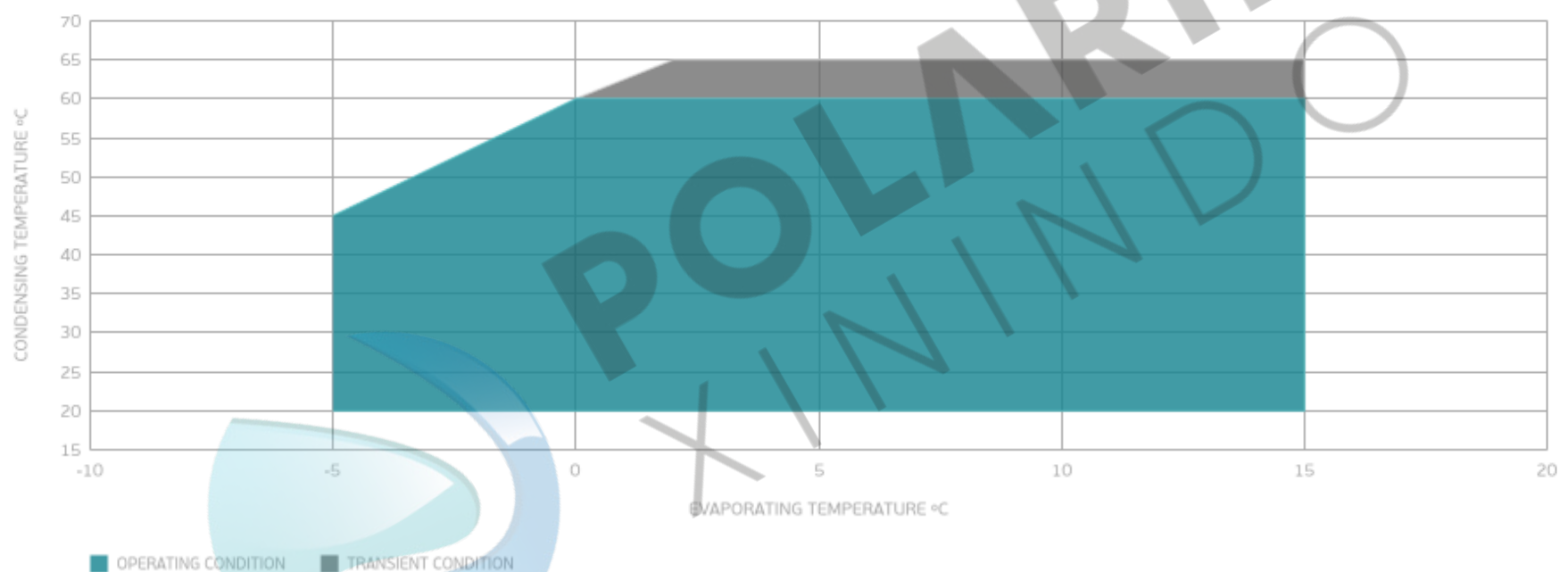
PERFORMANCE CURVE

Condensing Temperature 65°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
5	773	1.53	504	-	23.31
10	937	1.69	556	-	28.61
15	1110	1.78	624	-	34.42

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

ENVELOPE



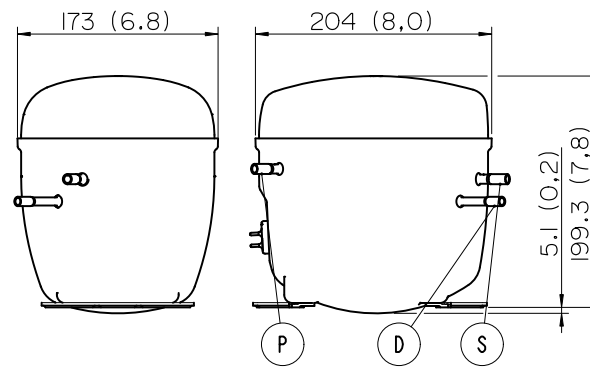
External

EXTERNAL CHARACTERISTICS

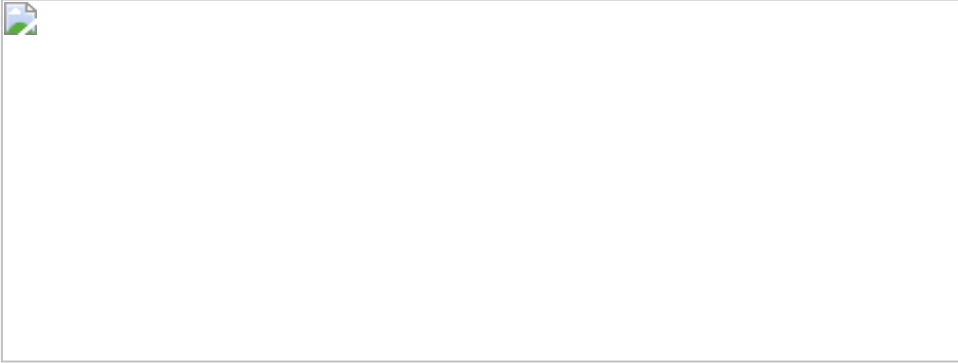
Base Plate		SMALL EG_F	
Tray Holder		NO	
Connector	Internal Diameter	Shape	Material
Suction	8.2 mm	STRAIGHT	COPPER
Discharge	6.5 mm	STRAIGHT	COPPER
Process	6.5 mm	STRAIGHT	COPPER

EXTERNAL DIMENSIONS

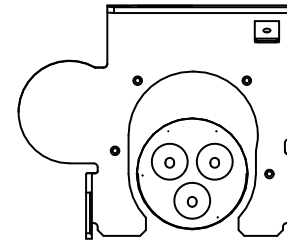
SHELL



BASE



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