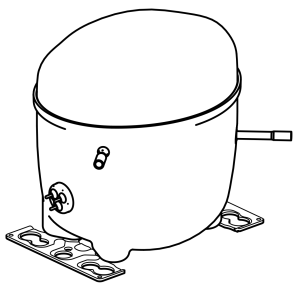
COMPRESSOR TECHNICAL DATA

FG95HAK



ENGINEERING CODE
513209355

REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSIR

STANDARD
ASHRAE

COOLING CAPACITY
260 W

EFFICIENCY
1.21 W/W

DATA

GENERAL DATA

Model	FG95HAK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/3
Starting Torque	LST/HST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	21.9 Ω at 25°C
Run Winding Resistance	7.7 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	13 A
Rated Load Amperage (LMBP) at 50 Hz	2 A

MECHANICAL DATA

Displacement	10.61 cm^3
Oil Charge	280 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	10.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/250 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	213516256*
Overload Protection	MRA58152-5590

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
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	260	1.21	216	1.52	5.05

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	136	0.89	153	1.38	2.63
-30	185	1.06	175	1.43	3.58
-25	250	1.25	200	1.49	4.85
-20	332	1.47	226	1.56	6.44
-15	429	1.69	254	1.65	8.36
-10	543	1.92	283	1.75	10.62

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	170	0.96	177	1.43	3.30
-25	234	1.14	205	1.50	4.53
-20	312	1.31	237	1.59	6.05
-15	404	1.49	271	1.70	7.87
-10	510	1.67	306	1.82	9.97

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

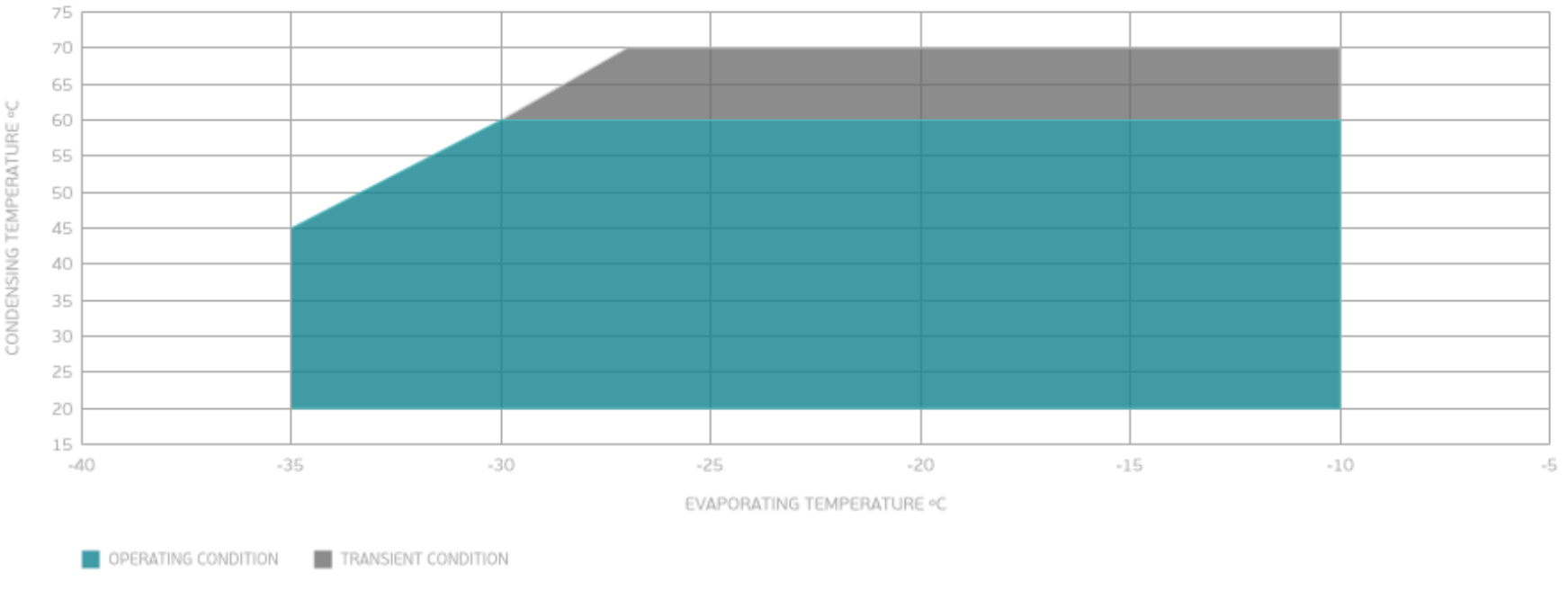
PERFORMANCE CURVE

Condensing Temperature 65ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	203	1.02	199	1.49	3.94
-20	279	1.18	236	1.59	5.42
-15	367	1.33	276	1.72	7.15
-10	468	1.47	318	1.86	9.15

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

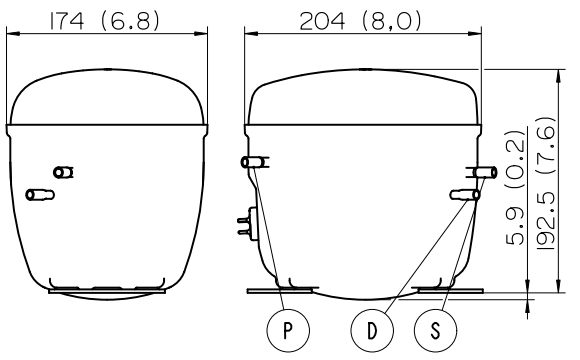
EXTERNAL CHARACTERISTICS

Base Plate	UNI
Tray Holder	NO

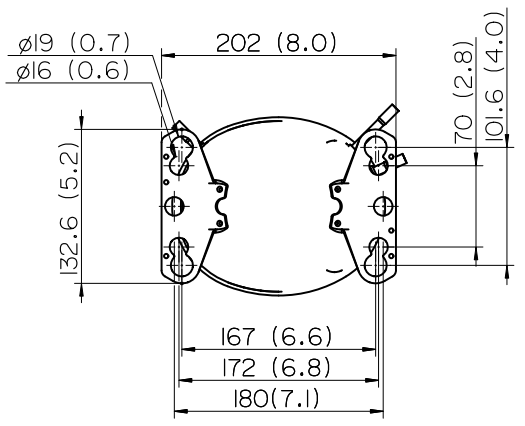
Connector	Internal Diameter	Shape	Material
Suction	8.2 mm	STRAIGHT	COPPER
Discharge	6.5 mm	STRAIGHT	COPPER
Process	6.5 mm	STRAIGHT	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



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