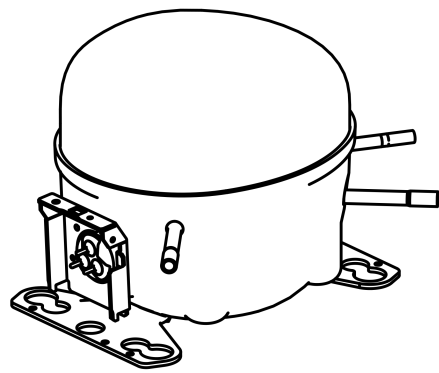


EMT40HLP



ENGINEERING CODE
513300254

REFRIGERANT
R-134a

POWER SUPPLY
200-240 V 50 Hz
~

APPLICATION
LBP

MOTOR TYPE
RSIR

STANDARD
CECOMAF



COOLING CAPACITY
95 W

EFFICIENCY
0.98 W/W

DATA

GENERAL DATA

Model	EMT40HLP
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
HP	1/6
Starting Torque	LST
Plant	CHINA

ELECTRICAL DATA

Start Winding Resistance	null
Run Winding Resistance	null

MECHANICAL DATA

Displacement	4.5 cm ³
Oil Charge	180 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	7.8 Kg

ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Starting Device Type	PTC
Starting Device Description	8EA17C1 QPS2-A22MG1
Overload Protection	4TM189NFBYY-53

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	LBP
Tested Standard	CECOMAF
Tested Cooling	Static
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
55	-25	95	0.98	97	-	2.26

Test Condition: Subcooling 0 K, Return Gas 32 °C. 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
-35	76	1.02	75	-	1.50
-30	102	1.23	83	-	2.02
-25	134	1.46	92	-	2.66
-20	174	1.70	102	-	3.46
-15	221	1.98	112	-	4.41
-10	277	2.30	121	-	5.55

Test Condition: Subcooling 0 K, Return Gas 32 °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
-35	63	0.82	76	-	1.35
-30	86	1.00	86	-	1.86
-25	115	1.19	97	-	2.49
-20	151	1.38	109	-	3.27
-15	193	1.58	122	-	4.20
-10	244	1.81	135	-	5.32

Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.

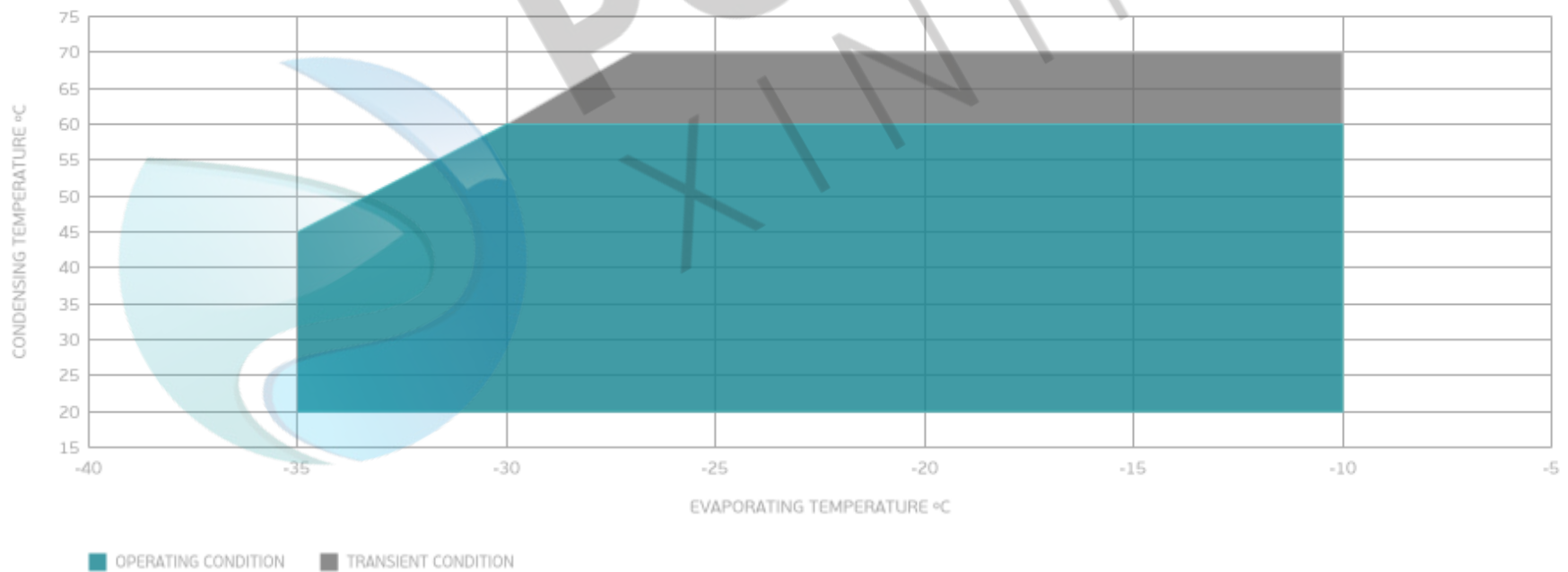
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	69	0.82	84	-	1.64
-25	95	0.98	97	-	2.26
-20	126	1.13	112	-	3.02
-15	164	1.29	128	-	3.94
-10	209	1.45	144	-	5.03

Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.

ENVELOPE



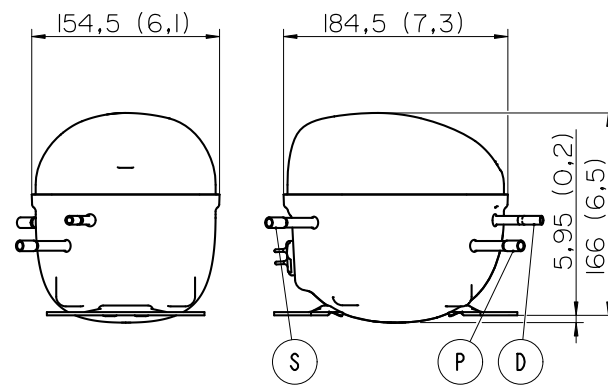
External

EXTERNAL CHARACTERISTICS

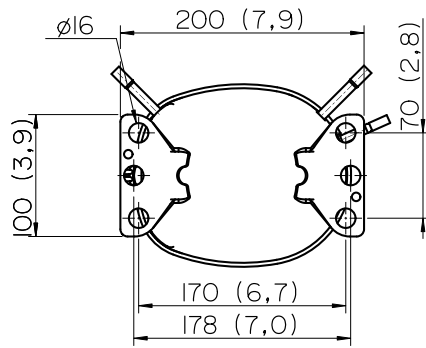
Base Plate		SMALL EUEM	
Tray Holder		NO	
Connector	Internal Diameter	Shape	Material
Suction	6.5 mm	SLANTED 40° UP + 45° TO BACK	COPPER
Discharge	4.9 mm	SLANTED 0° UP + 24° TO BACK	COPPER
Process	6.5 mm	SLANTED 40° UP + 45° TO BACK	COPPER

EXTERNAL DIMENSIONS

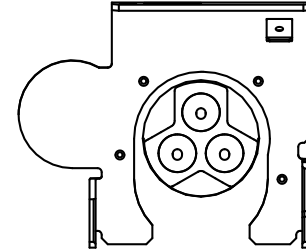
SHELL



BASE



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