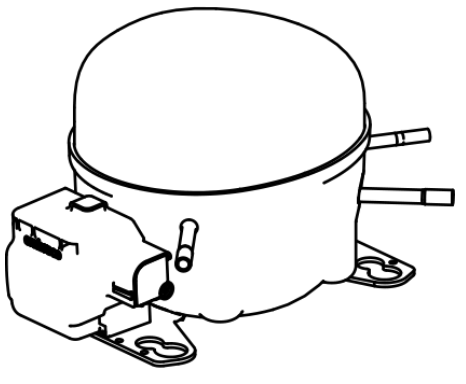
COMPRESSOR TECHNICAL DATA

EMIE65HER



ENGINEERING CODE
513306085

POWER SUPPLY
220-240 V 50-60 Hz

MOTOR TYPE
RSIR/CSIR

REFRIGERANT
R-134a

APPLICATION
LBP

STANDARD
ASHRAE

COOLING CAPACITY
151 W

EFFICIENCY
1.22 W/W

DATA

GENERAL DATA

Model	EMIE65HER
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
HP	1/6
Starting Torque	LST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	27.8 Ω at 25°C
Run Winding Resistance	13.7 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	12.5 A
Locked Rotor Amperage (LRA) 60Hz	11.5 A
Rated Load Amperage (LMBP) at 50 Hz	1.4 A
Rated Load Amperage (LMBP) at 60 Hz	1.1 A

MECHANICAL DATA

Displacement	5.19 cm^3
Oil Charge	180 ml
Oil Type	ESTER
Oil Viscosity	ISO10
Weight	8.3 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/210 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	213514130 213515004*
Overload Protection	4TM718REBYY-53 4TM718RFBYY-53 4TM734LFBYY-53

EXTERNAL CHARACTERISTICS

Base Plate	UNI EUEM
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	6.5 mm	SLANTED 42º UP + 45° TO BACK	COPPER
Discharge	4.94 mm	SLANTED 42° UP + 24° TO BACK	COPPER
Process	6.5 mm	SLANTED 45° UP + 45° TO BACK	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Static
Tested Voltage	220 V
Tested Frequency	50 Hz
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	151	1.22	124	1.02	2.93

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	78	0.86	91	0.97	1.51
-30	109	1.07	101	0.99	2.10
-25	146	1.29	114	1.01	2.84
-20	192	1.51	127	1.03	3.72
-15	244	1.74	141	1.05	4.76
-10	305	1.98	154	1.05	5.96

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	100	0.96	104	0.98	1.93
-25	136	1.15	119	1.01	2.64
-20	181	1.34	134	1.05	3.51
-15	233	1.54	151	1.09	4.53
-10	292	1.74	168	1.13	5.72

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

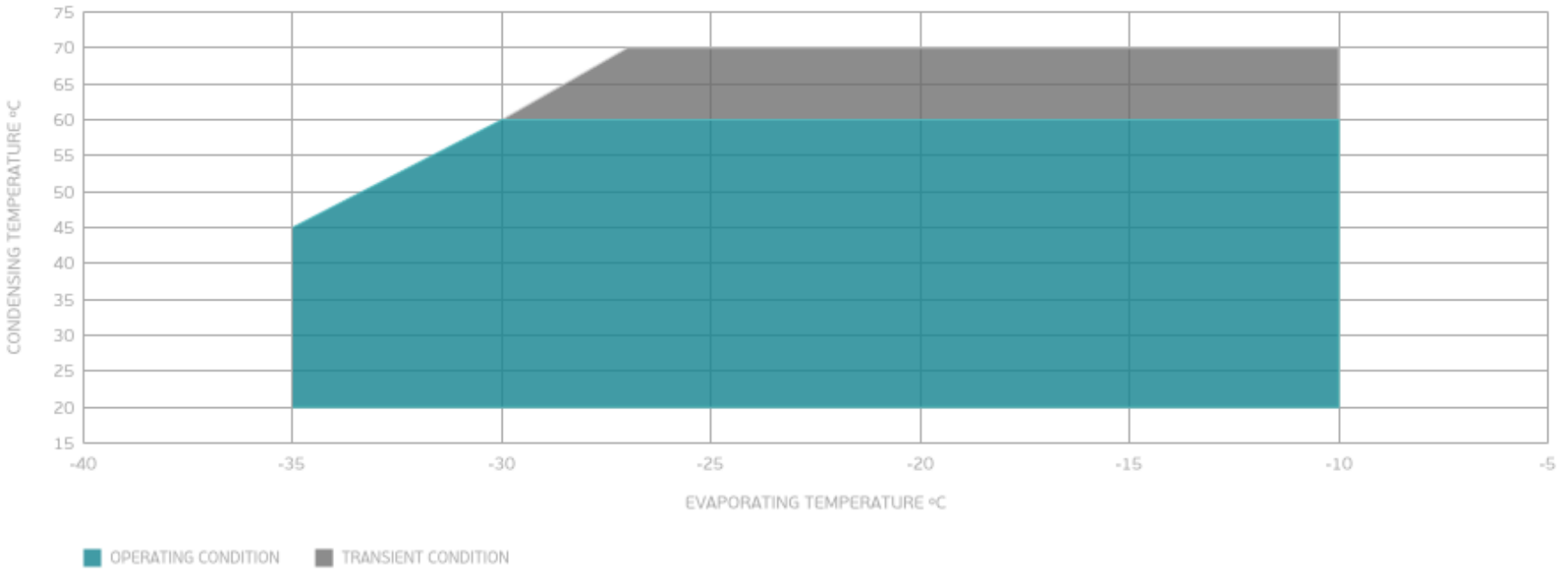
PERFORMANCE CURVE

Condensing Temperature 65ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	125	1.05	119	1.00	2.42
-20	168	1.23	137	1.05	3.26
-15	219	1.40	156	1.10	4.26
-10	278	1.57	177	1.16	5.43

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 DIMENSIONS

