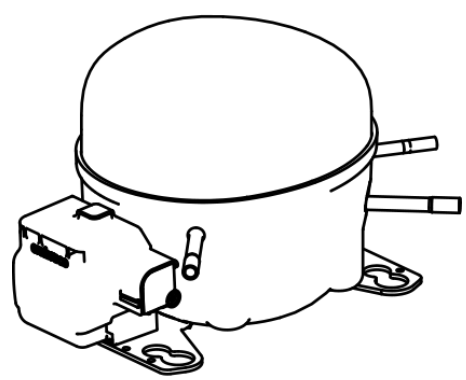


EMIE65HER



ENGINEERING CODE
513306085



REFRIGERANT
R-134a



POWER SUPPLY
220-240 V 50-60
Hz



APPLICATION
LBP



MOTOR TYPE
RSIR/CSIR



STANDARD
CECOMAF



COOLING CAPACITY
111 W



EFFICIENCY
0.94 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 cm³
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	4TM718REBY-53 4TM718RFBY-53 4TM734LFBY-53

EXTERNAL CHARACTERISTICS

Base Plate	UNI EUEM
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	6.5 mm	SLANTED 42° 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	CECOMAF
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
55	-25	111	0.94	119	-	2.65
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	70	0.77	91	-	1.51
-30	97	0.96	101	-	2.10
-25	131	1.16	114	-	2.84
-20	172	1.35	127	-	3.73
-15	219	1.56	141	-	4.77
-10	273	1.78	154	-	5.97
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 55°C

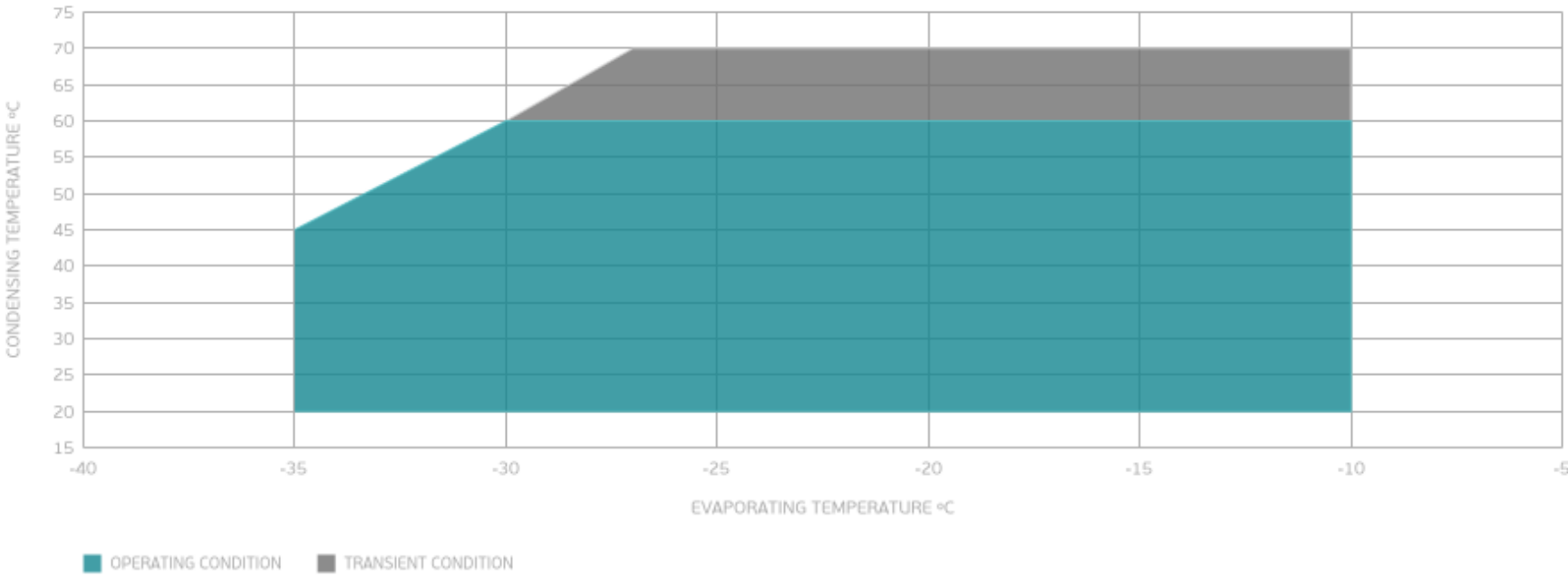
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	81	0.78	104	-	1.93
-25	111	0.94	119	-	2.65
-20	147	1.09	134	-	3.51
-15	189	1.25	151	-	4.54
-10	237	1.41	168	-	5.72
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication 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
-25	91	0.76	119	-	2.42
-20	122	0.89	137	-	3.27
-15	158	1.01	156	-	4.27
-10	201	1.14	177	-	5.43
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

