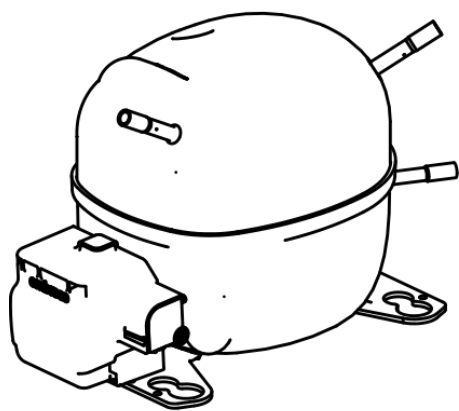


EMI70HER



ENGINEERING CODE
513307206

REFRIGERANT
R-134a

POWER SUPPLY
220 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
RSIR/CSIR

STANDARD
ASHRAE

COOLING CAPACITY
165 W

EFFICIENCY
1.19 W/W



DATA

GENERAL DATA

Model	EMI70HER
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
HP	1/5
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
Rated Load Amperage (LMBP) at 50 Hz	1.4 A

MECHANICAL DATA

Displacement	5.89 cm ³
Oil Charge	160 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	7.7 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/210 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	4TM739LFBYY-53

EXTERNAL CHARACTERISTICS

Base Plate	UNI V2
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	6.5 mm	SLANTED PARALLEL TO BASE PLATE	COPPER
Discharge	4.94 mm	SLANTED	COPPER
Process	6.5 mm	SLANTED PARALLEL TO BASE PLATE	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	165	1.19	139	1.07	3.2

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

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	91	0.90	101	1.00	1.76
-30	124	1.10	113	1.02	2.41
-25	165	1.29	128	1.05	3.21
-20	216	1.49	144	1.09	4.19
-15	276	1.71	161	1.13	5.38
-10	348	1.96	177	1.18	6.80

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

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	109	0.94	117	1.02	2.12
-25	149	1.12	133	1.06	2.88
-20	197	1.30	152	1.10	3.83
-15	256	1.49	172	1.15	4.98
-10	325	1.70	192	1.22	6.37

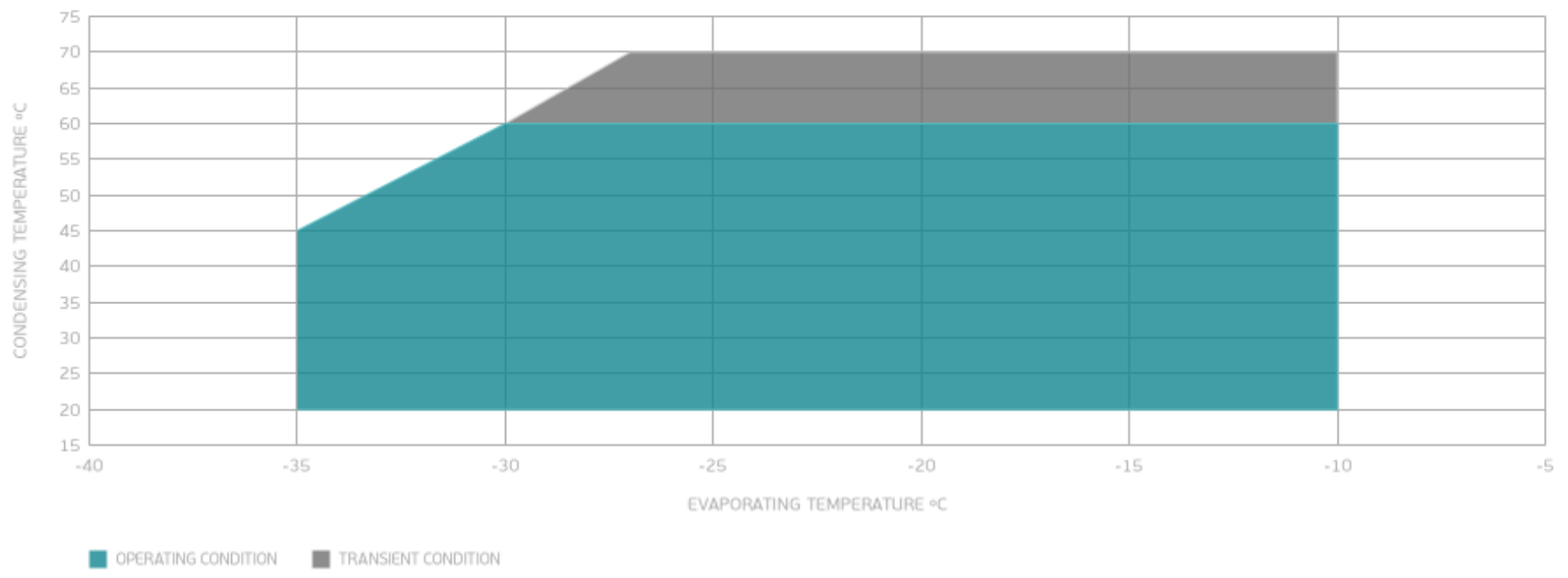
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	129	0.98	131	1.05	2.49
-20	175	1.15	152	1.10	3.40
-15	231	1.32	175	1.17	4.51
-10	299	1.51	199	1.24	5.85

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

ENVELOPE



EXTERNAL DIMENSIONS

