MODEL
EMIE40HER

APPROVALS

ENGINEERING CODE
513306096

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
L/MBP

COOLING CAPACITY
95 W (LBP)

EFFICIENCY
1.2 W/W (LBP)

MOTOR TYPE
RSIR/CSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	3.4 cm³
Compressor Cooling	Static/NotControled/220
Expansion Device	Capillary Tube
Horse Power	1/10 hp
Power Supply	220-240 V 50 Hz / 220-240 V 60 Hz
Evaporating Temperature Range	-35 °C to -5 °C

Electrical Data

Motor type	RSIR/CSIR
Starting Torque	LST
Start Winding Resistance	33.7 Ω at 25° C
Run Winding Resistance	23.7 Ω at 25° C
Rated Load Amperage (RLA) at 50 Hz	1.35 A

Mechanical Data

Oil Charge	180 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO10
Weight	7.24 Kg

Electrical Components

	Description
Motor Protection	4TM718KFBYY-53
Starting Device	Relay | 213514164
Start Capacitor	53-64 Uf / 220 V

External Characteristics

Tray Holder	Yes	
Connector	**Internal Diameter**	**Shape**
Suction	6.5 mm	Slanted 42? up + 45? to Back/Copper
Discharge	4.94 mm	Slanted 30? up + 24? to Back/Copper
Process	6.35 mm	Slanted 45? up + 45? to Back/Copper(OD)

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	95 W	79 W	0.71 A	1.84 kg/h	1.2 W/W

Test Condition: ASHRAELBP32, Static/NotControled/220, Return Gas 32.2°C, Evaporation -23.30°C, Condensing 54.40°C, Ambient 32.2°C , Liquid 32.2°C, Subcooling 22.2K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Performance Curve Data

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	50	56	0.68	0.97	0.89
-30	72	65	0.69	1.39	1.11
-25	99	72	0.7	1.93	1.38
-20	133	79	0.71	2.59	1.69
-15	173	85	0.72	3.37	2.04
-10	218	90	0.73	4.26	2.42
-5	269	95	0.75	5.28	2.83

Test Condition: ASHRAELBP32, Static/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	45	58	0.68	0.87	0.78
-30	66	67	0.69	1.28	0.99
-25	93	75	0.7	1.80	1.23
-20	125	84	0.71	2.44	1.5
-15	164	91	0.73	3.19	1.79
-10	207	99	0.75	4.06	2.09
-5	257	108	0.77	5.04	2.39

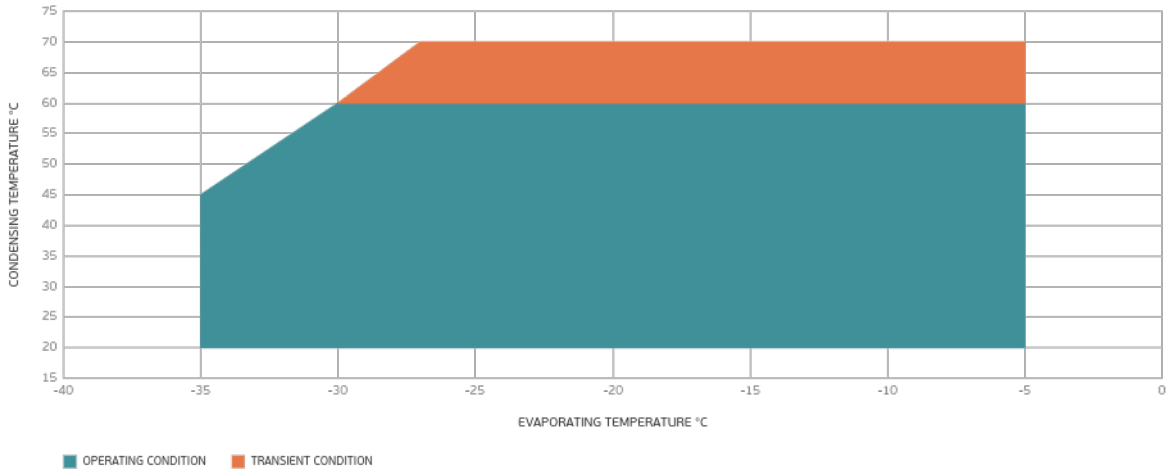
Test Condition: ASHRAELBP32, Static/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

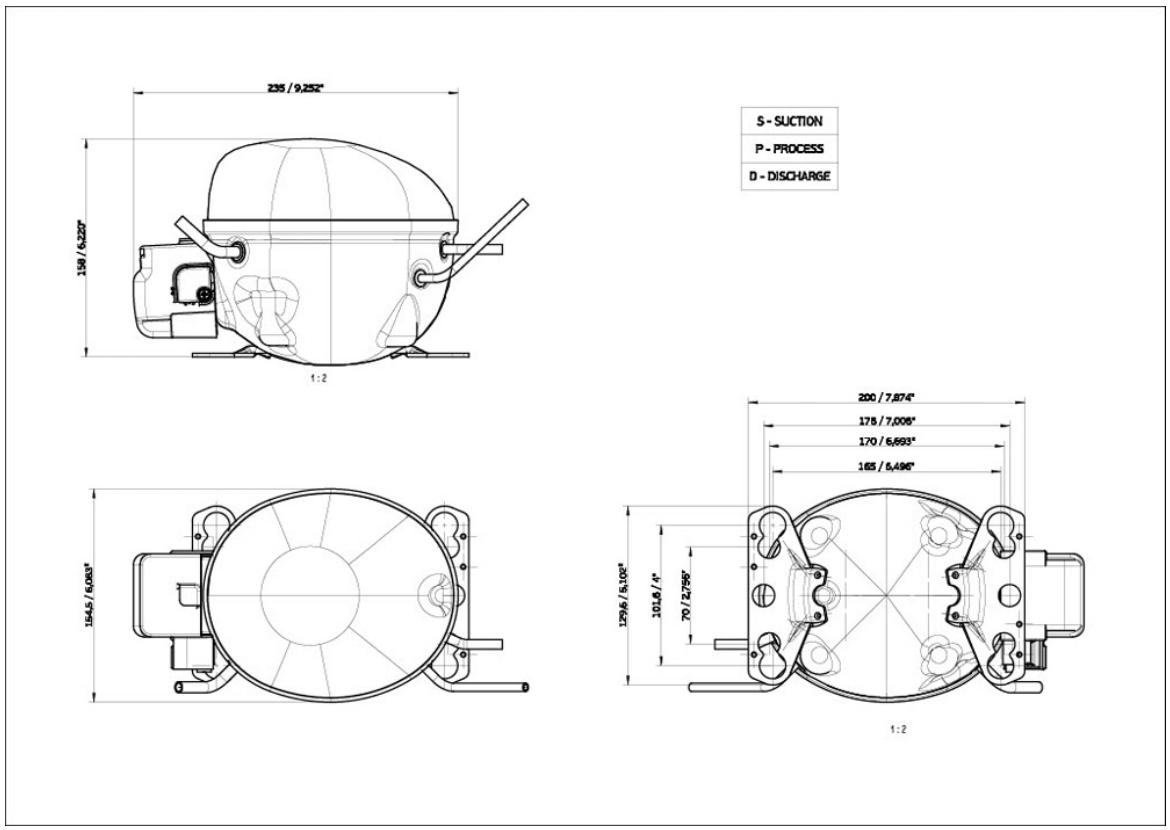
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	38	57	0.67	0.73	0.67
-30	58	66	0.69	1.12	0.87
-25	84	76	0.7	1.63	1.11
-20	115	86	0.72	2.24	1.35
-15	152	96	0.74	2.97	1.59
-10	195	106	0.77	3.81	1.84
-5	242	117	0.8	4.75	2.07

Test Condition: ASHRAELBP32, Static/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Operating Envelope



External Dimensions



Wiring Diagram

SM28-4