MODEL
EMIE40HJP

APPROVALS

ENGINEERING CODE
513306165

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
220 V 60 Hz

STANDARD CONDITIONS
EN12900

APPLICATION
LBP

COOLING CAPACITY
61 W (LBP)

EFFICIENCY
0.91 W/W (LBP)

MOTOR TYPE
RSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	3.4 cm^3
Compressor Cooling	Static/NotControled/220
Expansion Device	Capillary Tube
Horse Power	1/8 hp
Power Supply	220 V 50 Hz / 220 V 60 Hz
Evaporating Temperature Range	-35 °C to -10 °C

Electrical Data

Motor type	RSIR
Starting Torque	LST
Start Winding Resistance	19.75 Ω at 25° C
Run Winding Resistance	33.45 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	6.55 Kg

Electrical Components

	Description
Motor Protection	4TM189KFBYY-53
Starting Device	PTC | 7M220MC1 8EA17C1 QPS2-A22MG1

External Characteristics

Tray Holder	No

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	6.5 mm	Slanted 45? up + 45? to Back/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Gas Flow Rate	Efficiency
40.00°C	-35.00°C	61 W	67 W	1.33 kg/h	0.91 W/W

Test Condition: EN12900LBP, Static/NotControled/220, Return Gas 20°C, Evaporation -35.00°C, Condensing 40.00°C, Ambient 35°C , Liquid 40°C, Subcooling 0K. Data are an indication of performance based simulation.

Performance Curve Data

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	65	66	1.36	0.99
-30	88	75	1.84	1.17
-25	117	84	2.46	1.39
-20	153	92	3.23	1.66
-15	197	101	4.16	1.95
-10	248	109	5.27	2.28

Test Condition: EN12900LBP, Static/NotControled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	56	67	1.27	0.83
-30	76	78	1.76	0.98
-25	103	89	2.36	1.15
-20	135	100	3.11	1.35
-15	173	111	4.01	1.56
-10	218	123	5.08	1.78

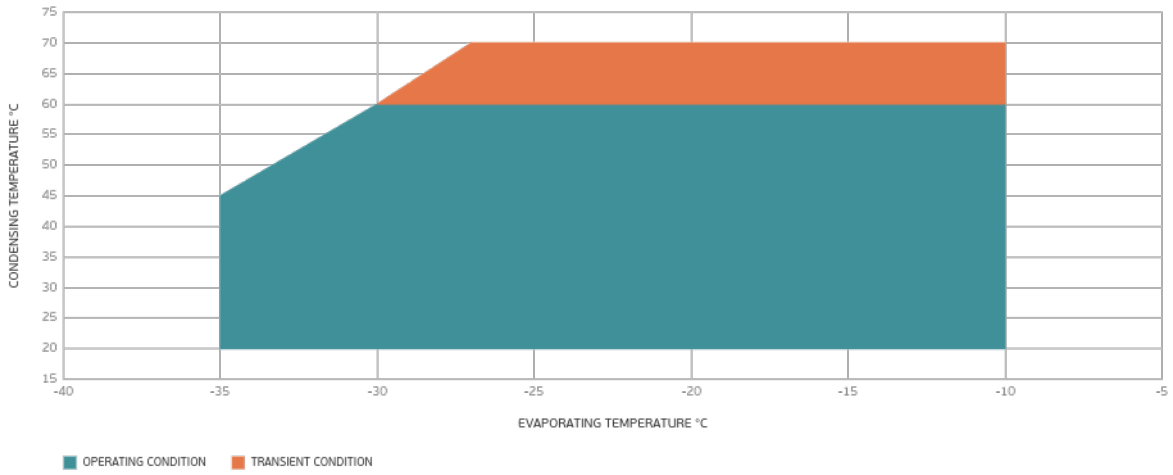
Test Condition: EN12900LBP, Static/NotControled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

Condensing Temperature 55°C

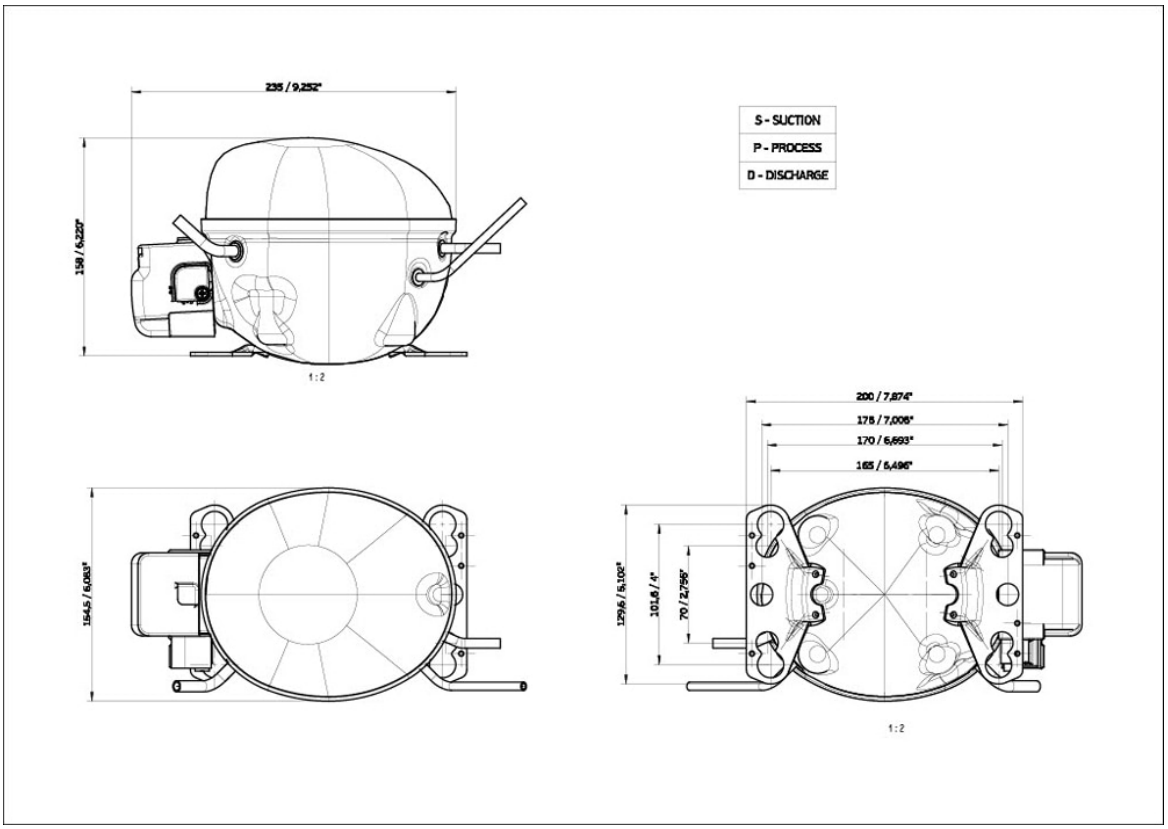
Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	43	66	1.09	0.66
-30	62	78	1.59	0.79
-25	86	91	2.19	0.94
-20	114	105	2.92	1.09
-15	147	119	3.80	1.24
-10	186	134	4.83	1.39

Test Condition: EN12900LBP, Static/NotControled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

Operating Envelope



External Dimensions



Wiring Diagram