MODEL
EMU5125Y

APPROVALS

ENGINEERING CODE
513306234

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
EN12900

APPLICATION
HBP

COOLING CAPACITY
233 W (HBP)

EFFICIENCY
2.46 W/W (HBP)

MOTOR TYPE
RSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	4.5 cm^3
Compressor Cooling	Static/NotControled/220
Expansion Device	Capillary Tube
Horse Power	1/10 hp
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-15 °C to 10 °C

Electrical Data

Motor type	RSIR
Starting Torque	LST
Start Winding Resistance	32.65 Ω at 25° C
Run Winding Resistance	40.25 Ω at 25° C

Mechanical Data

Oil Charge	180 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	7.2 Kg

Electrical Components

	Description
Starting Device	PTC | V230
Motor Protection	AE37FN

External Characteristics

Tray Holder	Yes	
Connector	**Internal Diameter**	**Shape**
Suction	6.1 mm	Slanted 42? up + 45? to Back/Copper
Discharge	4.94 mm	Slanted parallet BP+24?to Back/Copper
Process	6 mm	Slanted 43? up + 45? to Back/Copper(OD)

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Gas Flow Rate	Efficiency
50.00°C	5.00°C	233 W	95 W	3.18 kg/h	2.46 W/W

Test Condition: EN12900HBP, Static/NotControled/220, Return Gas 20°C, Evaporation 5.00°C, Condensing 50.00°C, Ambient 35°C , Liquid 50°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
-15	121	61	1.42	1.98
-10	153	65	1.80	2.34
-5	190	69	2.25	2.77
0	234	72	2.77	3.26
5	283	74	3.36	3.83
10	338	75	4.04	4.49

Test Condition: EN12900HBP, 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
-15	106	65	1.35	1.62
-10	134	71	1.72	1.89
-5	168	76	2.16	2.19
0	206	81	2.67	2.53
5	251	86	3.25	2.92
10	300	89	3.92	3.36

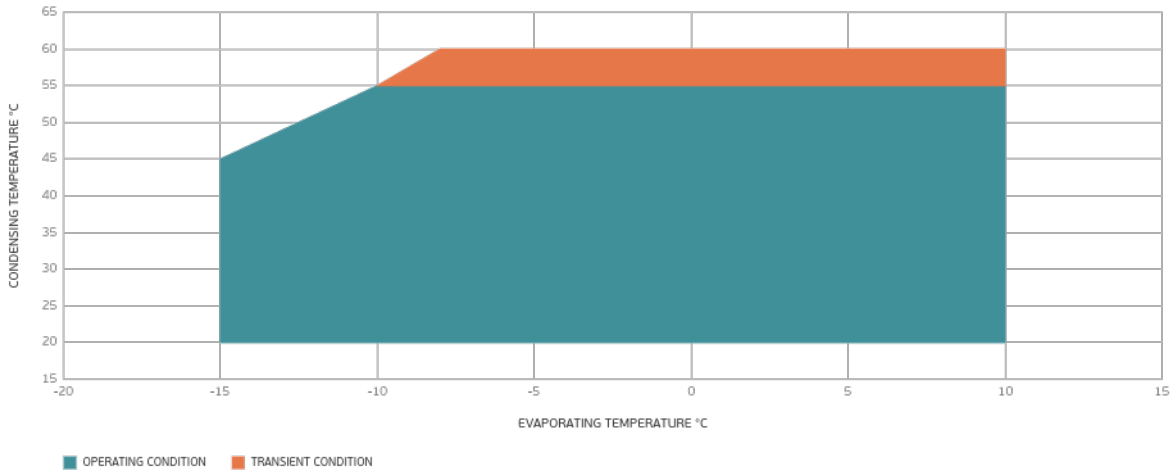
Test Condition: EN12900HBP, Static/NotControled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-15	90	69	1.27	1.29
-10	115	77	1.62	1.49
-5	144	84	2.05	1.72
0	178	90	2.55	1.98
5	217	96	3.12	2.26
10	261	101	3.77	2.58

Test Condition: EN12900HBP, Static/NotControled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

Operating Envelope



External Dimensions