MODEL
EMU5132Y

APPROVALS

ENGINEERING CODE
877AA67

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
HBP

COOLING CAPACITY
396 W (HBP)

EFFICIENCY
2.6 W/W (HBP)

MOTOR TYPE
RSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	6.76 cm³
Compressor Cooling	Static/NotControled/220
Expansion Device	Capillary Tube
Horse Power	1/7 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	21.7 Ω at 25° C
Run Winding Resistance	24.3 Ω at 25° C

Mechanical Data

Oil Charge	180 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	7.4 Kg

Electrical Components

	Description
Starting Device	PTC | V230
Motor Protection	AE64FS MRA58160-3166

External Characteristics

Tray Holder	Yes	
Connector	**Internal Diameter**	**Shape**
Suction	6.1 mm	Slanted 42?/Copper
Discharge	4.94 mm	Straight/Copper
Process	6.1 mm	Slanted 42?/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	7.20°C	396 W	152 W	0.91 A	4.77 kg/h	2.6 W/W

Test Condition: ASHRAEHBP46, Static/NotControled/220, Return Gas 35°C, Evaporation 7.20°C, Condensing 54.40°C, Ambient 35°C , Liquid 46.1°C, Subcooling 8.3K. 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
-15	230	93	0.76	2.35	2.48
-10	289	99	0.77	2.96	2.9
-5	359	106	0.79	3.68	3.39
0	438	111	0.8	4.50	3.94
5	526	116	0.82	5.42	4.53
10	620	120	0.84	6.42	5.17

Test Condition: ASHRAEHBP46, Static/NotControled/220, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. 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
-15	193	98	0.77	2.12	1.96
-10	241	107	0.79	2.65	2.24
-5	300	116	0.81	3.31	2.58
0	368	125	0.83	4.07	2.95
5	444	132	0.86	4.93	3.35
10	527	140	0.88	5.87	3.76

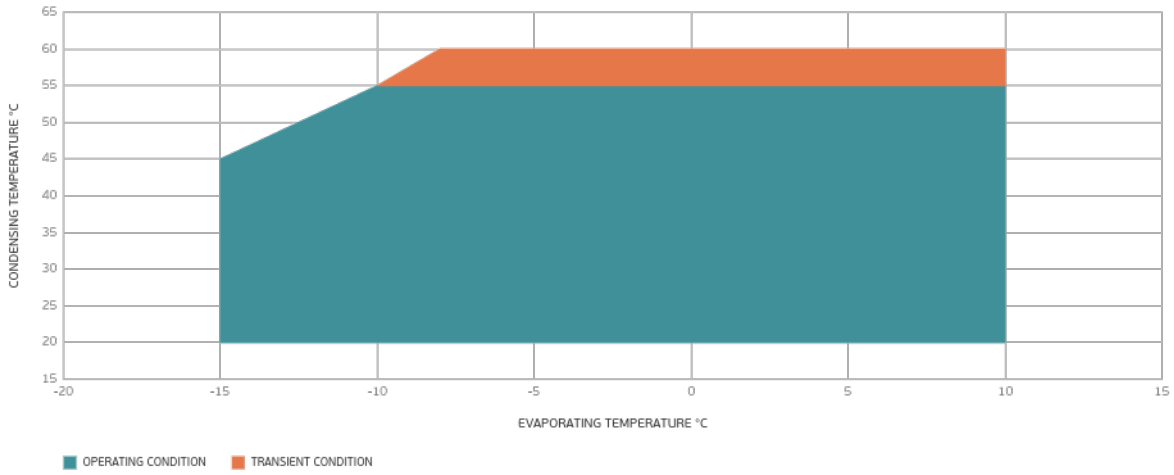
Test Condition: ASHRAEHBP46, Static/NotControled/220, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-15	157	105	0.78	1.87	1.49
-10	194	116	0.81	2.32	1.68
-5	241	127	0.84	2.89	1.91
0	298	137	0.87	3.58	2.17
5	361	148	0.9	4.36	2.45
10	431	158	0.93	5.22	2.73

Test Condition: ASHRAEHBP46, Static/NotControled/220, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Operating Envelope



External Dimensions