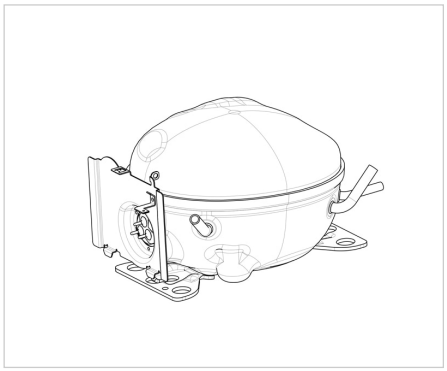
MODEL
FMXA4C



APPROVALS

ENGINEERING CODE
513908072

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 4000 RPM

STANDARD CONDITIONS
EN12900

APPLICATION
L/MBP

COOLING CAPACITY
43 W (LBP)

EFFICIENCY
1.82 W/W (LBP)

MOTOR TYPE
BPM

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	VCC
Displacement	3.97 cm^3
Compressor Cooling	Static/NotControled/220
Expansion Device	Capillary Tube
Horse Power	1/16 hp
Power Supply	220-240 V 50 Hz / 220-240 V 60 Hz
Evaporating Temperature Range	-35 °C to 0 °C

Electrical Data

Motor type	BPM
Starting Torque	LST
Start Winding Resistance	20 Ω at 25° C
Run Winding Resistance	20 Ω at 25° C

Mechanical Data

Oil Charge	175 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	4.8 Kg

Electrical Components

	Description
Starting Device	Inverter | CF02D01 M 0.0 X
Motor Protection	INVERTER CF02D01 M 0

External Characteristics

Tray Holder	Yes	
Connector	**Internal Diameter**	**Shape**
Suction	6.2 mm	Slanted 45? up + 45? to Back/Copper
Discharge	4.2 mm	Slanted 0? up + 24? to Back/Copper
Process	6.2 mm	Slanted 45? up + 49? to Back/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Gas Flow Rate	Efficiency
40.00°C	-35.00°C	43 W	24 W	0.52 kg/h	1.82 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	45	30	0.52	1.47
-30	59	37	0.69	1.6
-25	79	43	0.93	1.86
-20	106	48	1.24	2.19
-15	139	53	1.63	2.6
-10	178	58	2.10	3.06
-5	226	63	2.67	3.56
0	281	69	3.34	4.09

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

The current compressor speed may be lower than the inverter set speed at some operating conditions. The performance values herein presented refer to actual compressor speed, though.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	35	27	0.45	1.34
-30	51	35	0.65	1.46
-25	70	42	0.90	1.65
-20	93	50	1.20	1.88
-15	122	57	1.56	2.15
-10	155	63	1.99	2.45
-5	195	70	2.50	2.77
0	240	77	3.10	3.1

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

The current compressor speed may be lower than the inverter set speed at some operating conditions. The performance values herein presented refer to actual compressor speed, though.

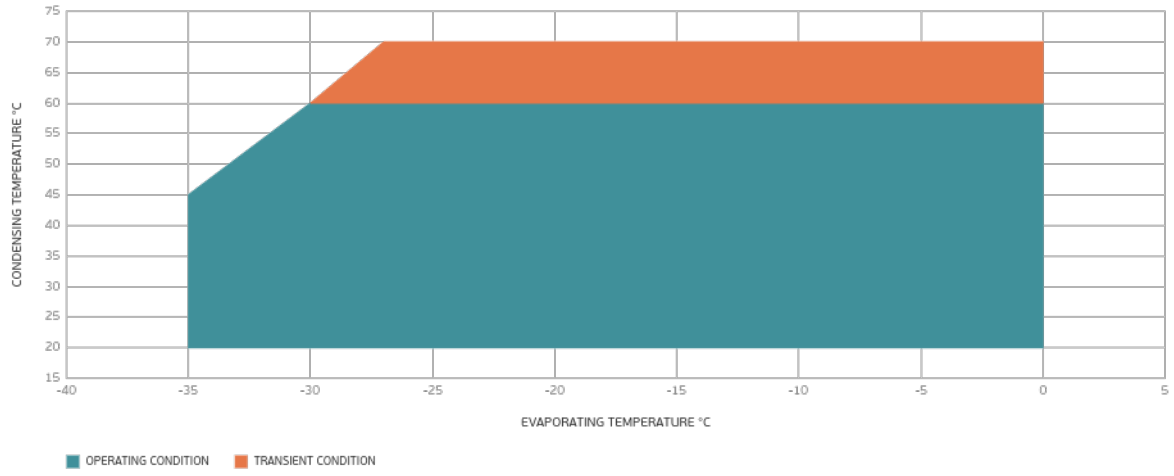
Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	17	30	0.23	0.54
-30	34	39	0.47	0.87
-25	53	46	0.74	1.15
-20	75	53	1.05	1.41
-15	99	60	1.40	1.66
-10	128	67	1.81	1.92
-5	160	73	2.28	2.19
0	197	81	2.81	2.45

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

The current compressor speed may be lower than the inverter set speed at some operating conditions. The performance values herein presented refer to actual compressor speed, though.

Operating Envelope



External Dimensions