MODEL
EMU40CLP

APPROVALS

ENGINEERING CODE
513306197

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
101 W (LBP)

EFFICIENCY
1.15 W/W (LBP)

MOTOR TYPE
RSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	5.96 cm³
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	24.5 Ω at 25° C
Run Winding Resistance	32.3 Ω at 25° C
Rated Load Amperage (RLA) at 50 Hz	1.35 A

Mechanical Data

Oil Charge	180 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	8.6 Kg

Electrical Components

	Description
Motor Protection	4TM189NFBYY-53
Starting Device	PTC | 7M220MC1 8EA17C1 8M220MC1 QPS2-A22MG1 QPS2-A22MG1 092

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

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	101 W	88 W	0.69 A	1.08 kg/h	1.15 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	62	68	0.64	0.67	0.92
-30	84	74	0.63	0.90	1.13
-25	109	81	0.63	1.17	1.35
-20	140	87	0.63	1.50	1.61
-15	175	92	0.63	1.89	1.9
-10	217	97	0.63	2.34	2.24

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	55	69	0.65	0.58	0.78
-30	75	77	0.64	0.81	0.98
-25	101	84	0.64	1.08	1.2
-20	130	91	0.65	1.40	1.43
-15	166	99	0.66	1.79	1.68
-10	207	106	0.66	2.24	1.95

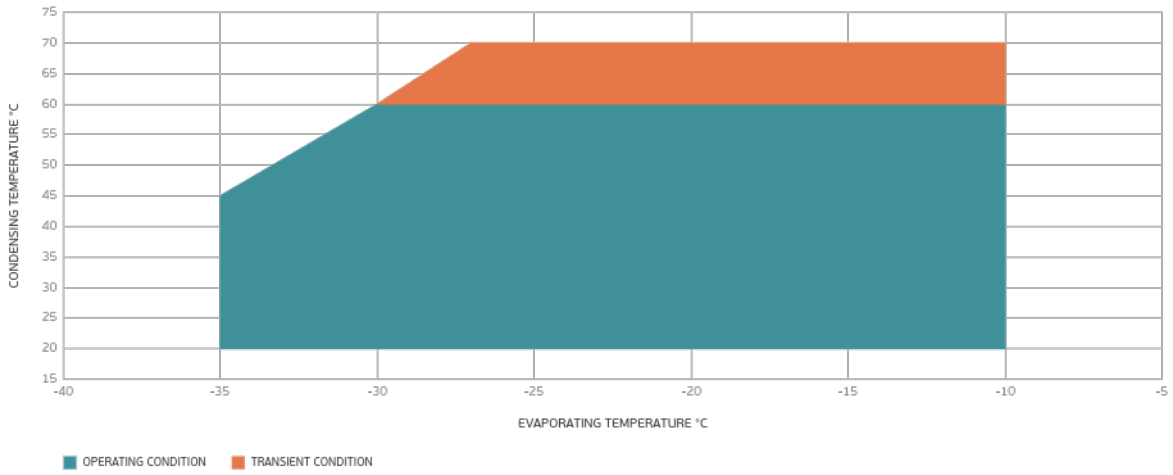
Test Condition: ASHRAELBP32, Static/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

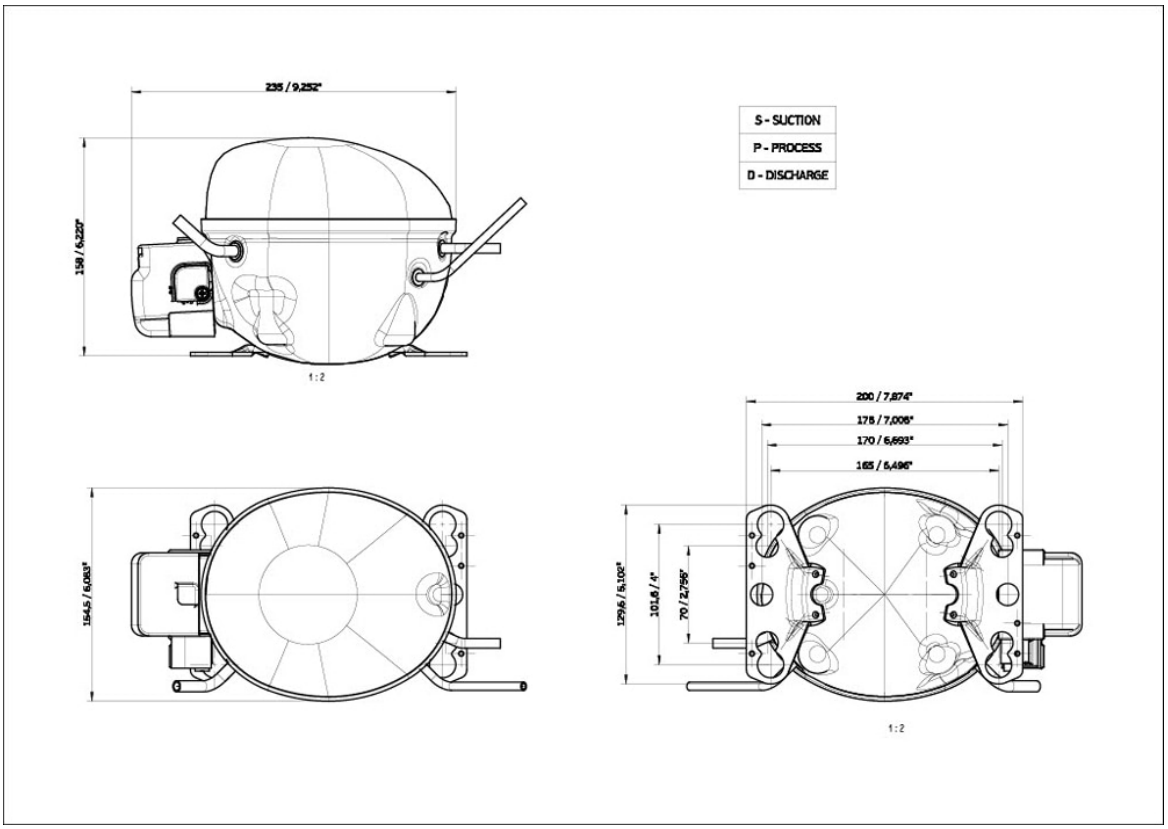
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	46	69	0.68	0.50	0.67
-30	66	77	0.68	0.71	0.86
-25	91	85	0.69	0.98	1.07
-20	120	94	0.7	1.29	1.28
-15	155	103	0.71	1.67	1.5
-10	196	113	0.72	2.12	1.74

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