MODEL
EMX55CLC

APPROVALS

ENGINEERING CODE
898UA99

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
154 W (LBP)

EFFICIENCY
1.68 W/W (LBP)

MOTOR TYPE
RSCR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	9.04 cm^3
Compressor Cooling	Static/NotControled/220
Expansion Device	Capillary Tube
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-35 °C to -10 °C

Electrical Data

Motor type	RSCR
Starting Torque	LST
Start Winding Resistance	14.9 Ω at 25° C
Run Winding Resistance	22.2 Ω at 25° C

Mechanical Data

Oil Charge	180 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	7.95 Kg

Electrical Components

	Description
Run Capacitor	5
Motor Protection	AE64FS
Starting Device	PTC | MI2021

External Characteristics

Tray Holder	No

Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42?/Copper
Discharge	5.1 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	-23.30°C	154 W	92 W	0.41 A	1.66 kg/h	1.68 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	90	63	0.29	0.96	1.42
-30	120	72	0.33	1.29	1.66
-25	157	82	0.37	1.69	1.92
-20	202	91	0.41	2.18	2.22
-15	256	101	0.45	2.75	2.53
-10	318	111	0.5	3.43	2.87

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	84	64	0.29	0.90	1.31
-30	113	74	0.33	1.21	1.52
-25	150	86	0.38	1.61	1.75
-20	194	97	0.43	2.08	1.99
-15	246	110	0.48	2.65	2.25
-10	307	122	0.53	3.32	2.51

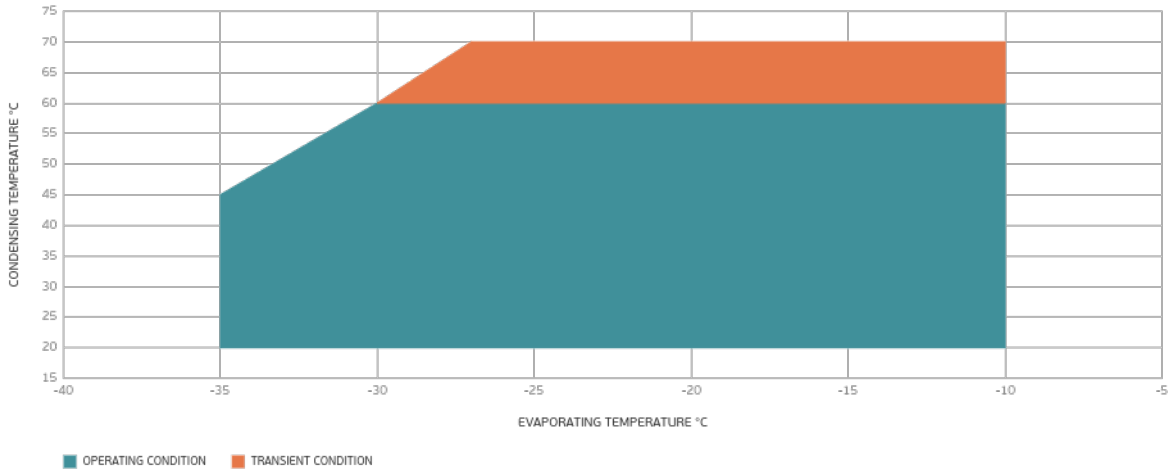
Test Condition: ASHRAELBP32, Static/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

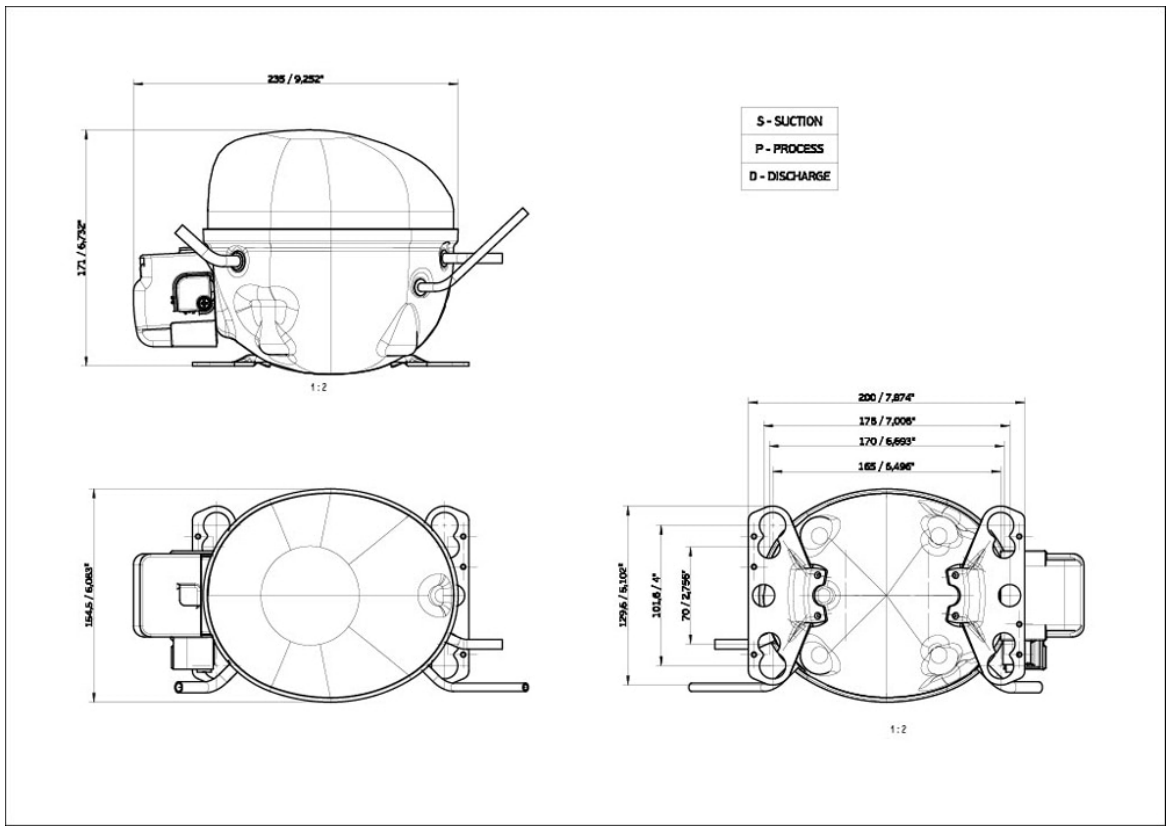
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	76	63	0.29	0.81	1.19
-30	104	75	0.34	1.12	1.39
-25	140	87	0.39	1.50	1.6
-20	183	101	0.45	1.97	1.81
-15	234	115	0.51	2.53	2.03
-10	294	131	0.57	3.18	2.25

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