MODEL
EMY40CLC

APPROVALS

ENGINEERING CODE
897DA90

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
118 W (LBP)

EFFICIENCY
1.58 W/W (LBP)

MOTOR TYPE
RSIR/RSCR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	7.23 cm³
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	RSIR/RSCR
Starting Torque	LST
Start Winding Resistance	25.4 Ω at 25° C
Run Winding Resistance	24.6 Ω at 25° C

Mechanical Data

Oil Charge	180 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	7.65 Kg

Electrical Components

	Description
Run Capacitor	4
Motor Protection	AE37FN10
Starting Device	PTC | 2019

External Characteristics

Tray Holder	Yes	
Connector	**Internal Diameter**	**Shape**
Suction	6.1 mm	Slanted 42?/Copper
Discharge	4.94 mm	Straight/Copper
Process	6 mm	Slanted 42?/Copper(OD)

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	118 W	75 W	0.39 A	1.27 kg/h	1.58 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	52	79	0.32	0.58	0.66
-30	76	88	0.34	0.84	0.87
-25	106	97	0.36	1.16	1.1
-20	142	105	0.39	1.54	1.34
-15	183	113	0.41	1.99	1.61
-10	231	121	0.43	2.51	1.91

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	61	48	0.32	0.65	1.26
-30	84	58	0.34	0.91	1.45
-25	113	68	0.37	1.22	1.67
-20	148	78	0.4	1.60	1.9
-15	190	88	0.43	2.04	2.15
-10	237	98	0.46	2.56	2.42

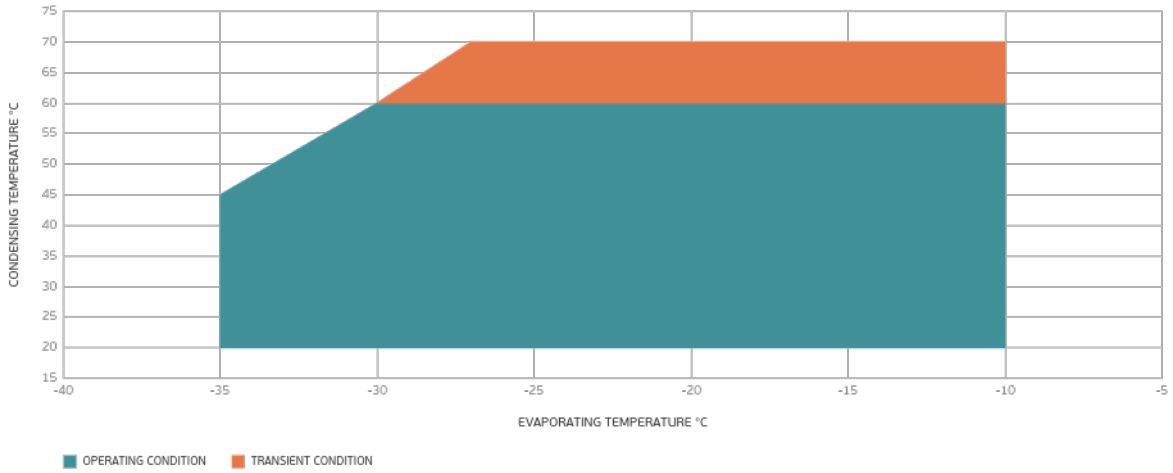
Test Condition: ASHRAELBP32, Static/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

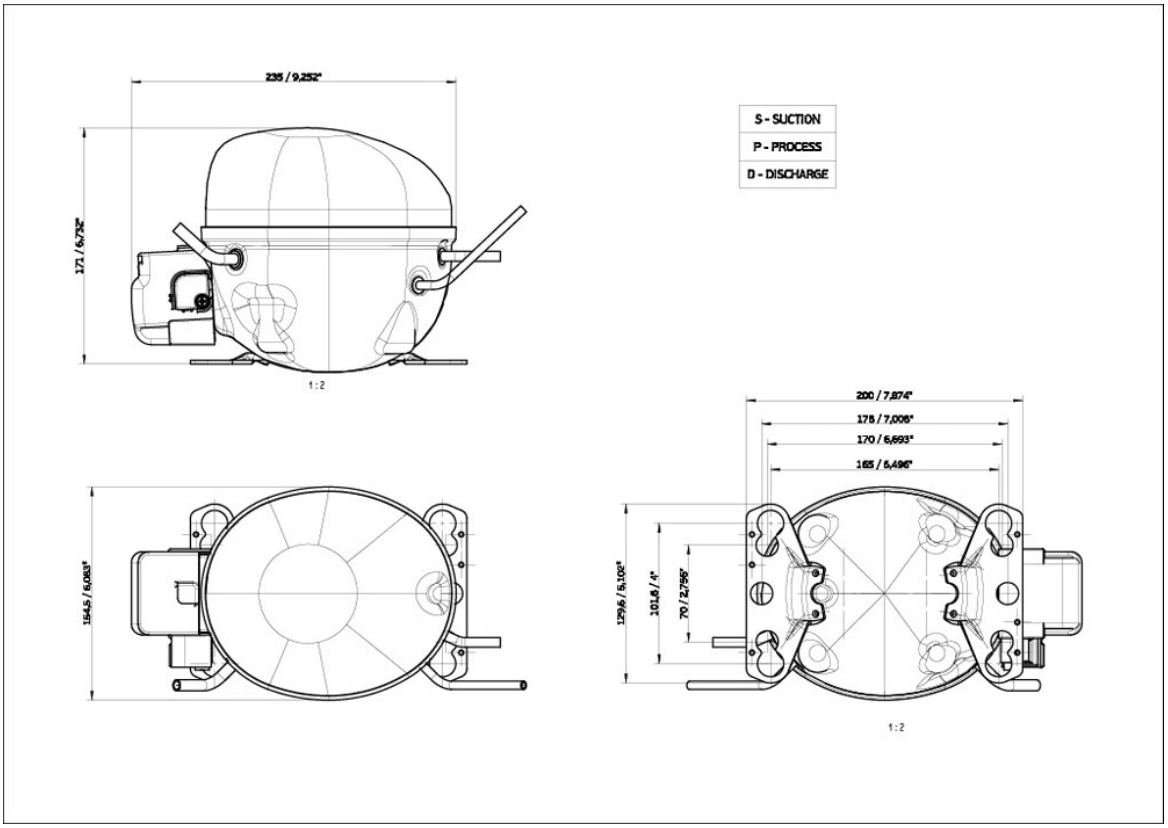
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	55	49	0.32	0.59	1.13
-30	78	60	0.35	0.84	1.3
-25	107	71	0.38	1.15	1.5
-20	141	83	0.41	1.52	1.7
-15	182	95	0.45	1.96	1.91
-10	229	107	0.49	2.47	2.13

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



Assembly Instructions