MODEL
EMX26CLC

APPROVALS

ENGINEERING CODE
710NA90

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
L/MBP

COOLING CAPACITY
77 W (LBP)

EFFICIENCY
1.51 W/W (LBP)

MOTOR TYPE
RSCR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	5.19 cm³
Compressor Cooling	Static/NotControled/220
Expansion Device	Capillary Tube
Horse Power	1/12 hp
Max Condensing Pressure Operating	8.69 bar
Max Condensing Pressure Peak	10.88 bar
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-35 °C to 5 °C

Electrical Data

Motor type	RSCR
Starting Torque	LST
Start Winding Resistance	27.4 Ω at 25° C
Run Winding Resistance	52.2 Ω at 25° C

Mechanical Data

Maximum Recommended Refrigerant Charge	150 g
Oil Charge	150 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Pressurization	Light vacuum
Weight	7.1 Kg
Free Internal Volume	1.5 L

Electrical Components

	Description
Run Capacitor	2
Motor Protection	AX24AHN
Starting Device	PTC | MI2021 V230

External Characteristics

Base Plate	European
Tray Holder	Yes
Height	166 mm

Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42? up + 45? to Back/Copper
Discharge	4.94 mm	Slanted 0? up + 45? to Back/Copper
Process	6 mm	Slanted 43? up + 45? to Back/Copper(OD)

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	77 W	51 W	0.26 A	0.83 kg/h	1.51 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	44	35	0.2	0.47	1.25
-30	62	40	0.22	0.66	1.52
-25	83	46	0.24	0.89	1.82
-20	109	51	0.27	1.18	2.15
-15	140	56	0.29	1.51	2.52
-10	176	60	0.31	1.90	2.92
-5	217	65	0.33	2.35	3.36
0	264	69	0.34	2.86	3.83
5	316	73	0.35	3.44	4.34

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	39	35	0.2	0.42	1.12
-30	55	41	0.22	0.60	1.36
-25	76	47	0.24	0.82	1.63
-20	102	53	0.27	1.10	1.91
-15	132	60	0.3	1.43	2.21
-10	168	67	0.32	1.81	2.53
-5	209	73	0.35	2.26	2.85
0	255	80	0.38	2.77	3.18
5	307	87	0.4	3.34	3.53

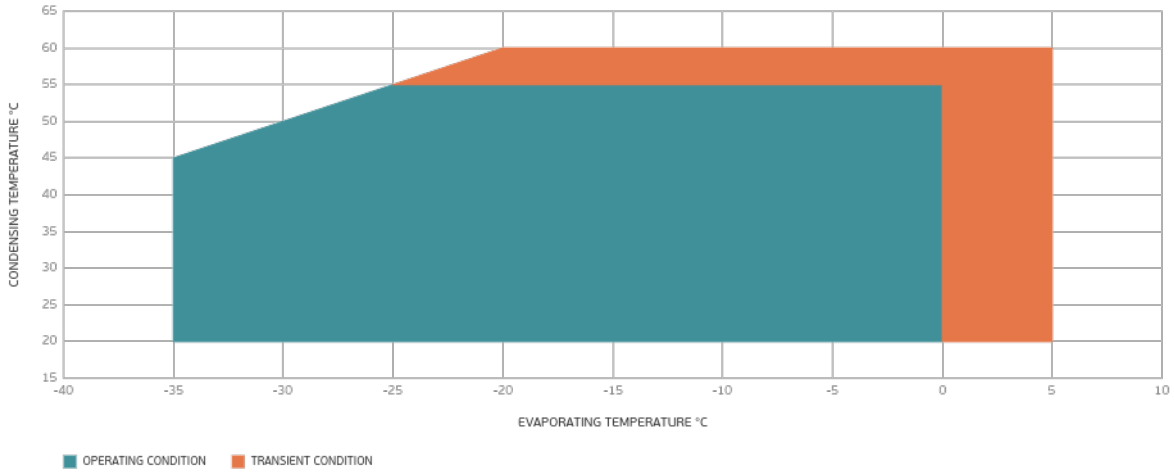
Test Condition: ASHRAELBP32, Static/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

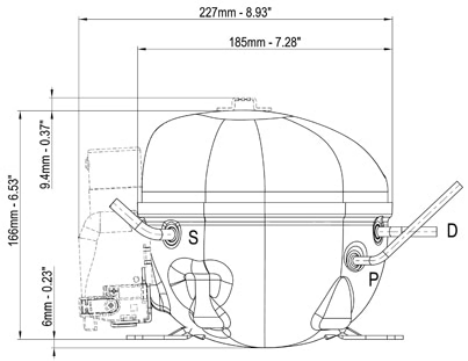
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-25	69	47	0.25	0.74	1.45
-20	94	55	0.28	1.01	1.71
-15	124	63	0.32	1.33	1.97
-10	158	71	0.35	1.71	2.23
-5	198	80	0.39	2.15	2.49
0	244	89	0.43	2.65	2.75
5	296	98	0.47	3.22	3

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.

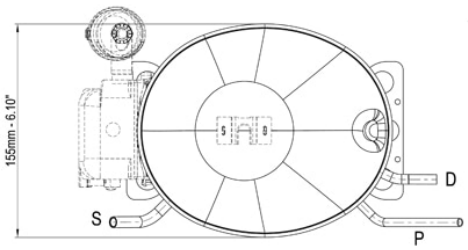
Operating Envelope

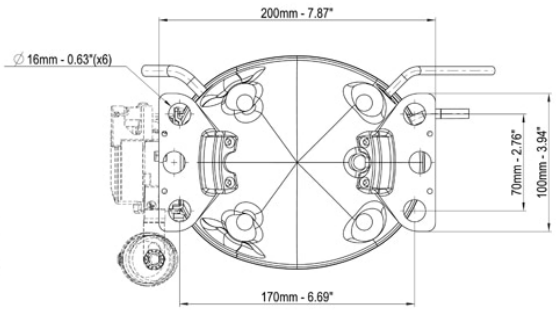


External Dimensions

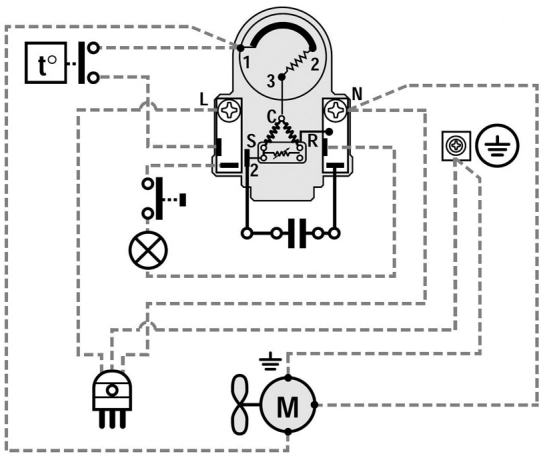


	∅ mm	∅ in	Material
S - Suction	6.10 - 6.20	0.24	Cu
P - Process	5.92 - 6.08	0.23	Cu
D - Discharge	4.90 - 5.02	0.19	Cu





Wiring Diagram



Assembly Instructions