



APPROVALS



ENGINEERING CODE
700GA27

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
94 W (LBP)

EFFICIENCY
1.74 W/W (LBP)

MOTOR TYPE
RSCR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	5.96 cm ³
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/7 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 -10 °C

Electrical Data

Motor type	RSCR
Starting Torque	LST
Start Winding Resistance	23.9 Ω at 25° C
Run Winding Resistance	42.5 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	7.3 Kg
Free Internal Volume	1.5 L

Electrical Components

	Description
Run Capacitor	2.5
Starting Device	MI2021X V230
Motor Protection	AX24BNXX T0223/07

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

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	94 W	54 W	1.01 kg/h	1.74 W/W

Test Condition: ASHRAELBP32, Static/NotControlled/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 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	62	33	0.66	1.88
-30	82	42	0.88	1.94
-25	107	49	1.14	2.18
-20	136	54	1.46	2.52
-15	170	58	1.83	2.93
-10	211	63	2.28	3.35

Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data are an indication of performance based simulation.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	53	33	0.57	1.6
-30	73	43	0.78	1.68
-25	96	51	1.03	1.89
-20	125	57	1.34	2.18
-15	159	63	1.71	2.51
-10	199	70	2.15	2.84

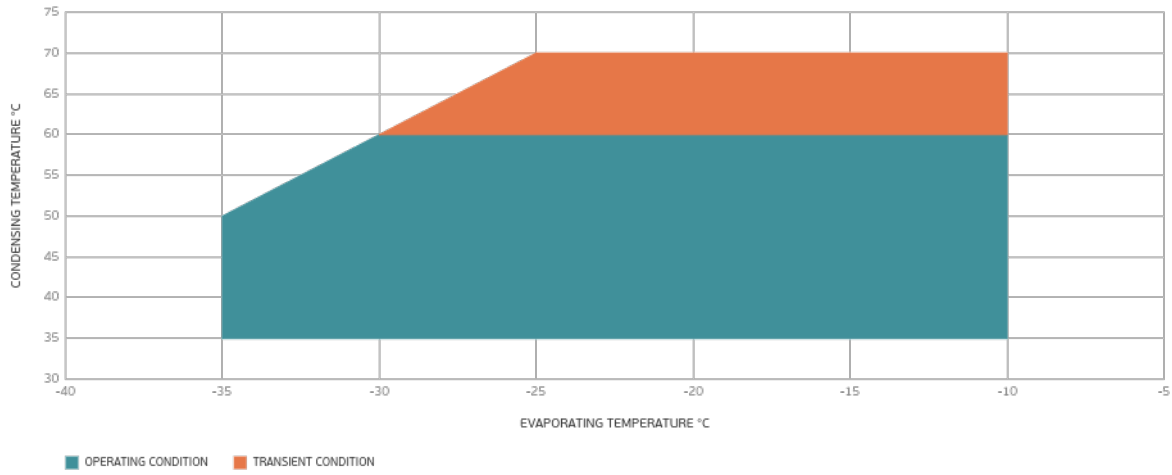
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data are an indication of performance based simulation.

Condensing Temperature 55°C

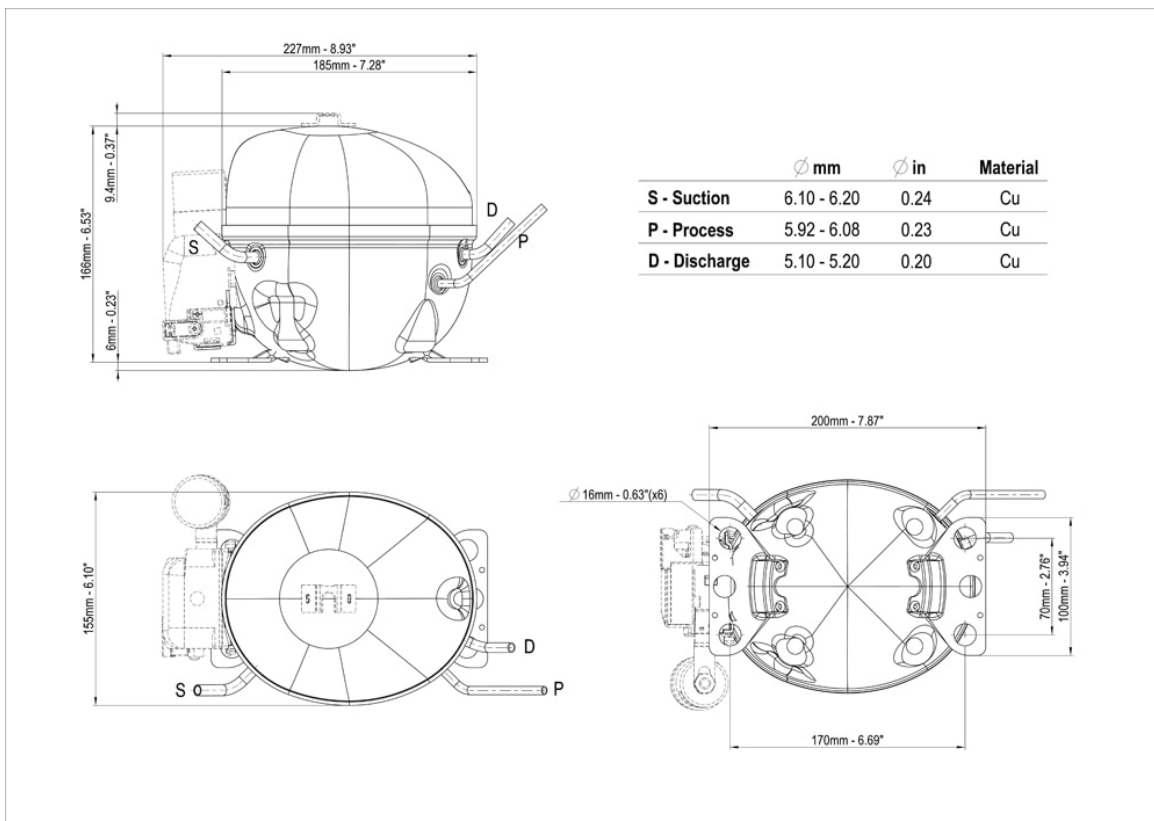
Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	42	32	0.46	1.34
-30	62	43	0.66	1.44
-25	84	51	0.91	1.64
-20	112	59	1.20	1.9
-15	145	67	1.57	2.18
-10	185	75	2.00	2.45

Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data are an indication of performance based simulation.

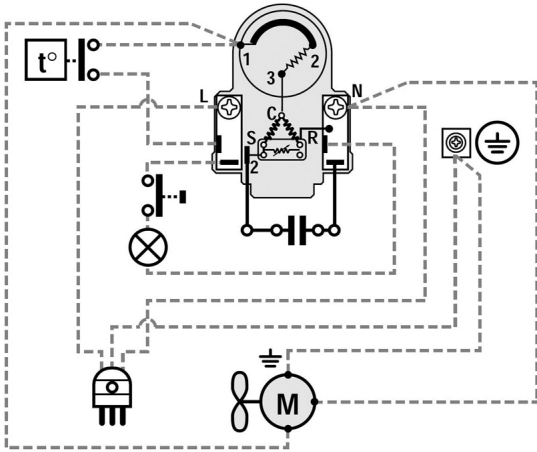
Operating Envelope



External Dimensions



Wiring Diagram



Assembly Instructions

