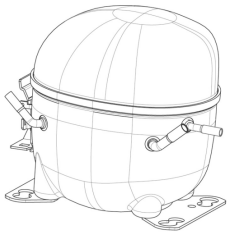
220-240V 50Hz 1~



GENERAL DATA

Application: LBP
Refrigerant: R134a
Evaporating Temperature Range: -30°C to -5°C
Compressor Cooling: Fan
Fan air flow: 520 m3/h
Maximum Condensing Pressure - Operating: 13.92 kgf/cm2 (psig)
Maximum Condensing Pressure - Peak: 15.62 kgf/cm2 (psig)
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube
Packing Quantity: Single - 1 pc

Approvals:

MECHANICAL DATA

Bore: 24.28 mm
Stroke: 20 mm
Free Internal Volume: 2.1 l
Maximum Recommended Refrigerant Charge: 350 ml
Weight: 10.9 kg

ELECTRICAL DATA

Motor Type: RSIR -
Starting Torque: LST -
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 39.85 Ω (± 10%) at 25°C
Run Winding Resistance: 7.3 Ω (± 10%) at 25°C
Locked Rotor Amperage (RLA): - A

MOUNTING ACCESSORIES

	Description	Code
Cover:	yes	2075282
Grommets:	-	2221011
Sleeves:	-	2222018
Terminal:	yes	1027060

ELECTRICAL COMPONENTS

	Component type	Description	Code
Starting Device:	Current relay	MTRP-0073-60	2339105
Motor Protection:	External	4TM739LFBYY-153	2316019

EXTERNAL CHARACTERISTICS

Base Plate: European
Tray Holder: No
Height: 200

	Internal Diameter (mm)	Material	Shape
Suction Connector	8.1	Copper	Slanted 42°
Discharge Connector	6.1	Copper	Straight
Process Connector	6.1	Copper	Slanted 42°

RATED POINT DATA

220-240V 50Hz

Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
	±5%	±5%	±5%	±7%
254	204	1.67	4.93	1.25

PERFORMANCE CURVE DATA

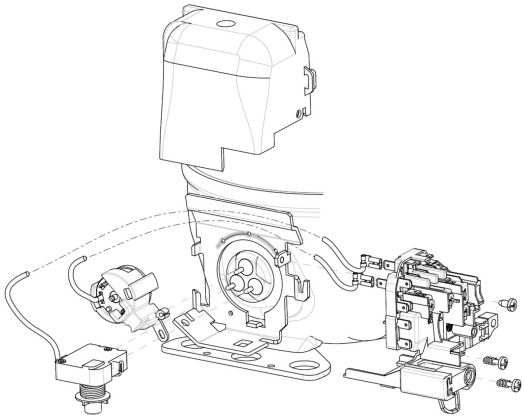
220-240V 50Hz

Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
		±5%	±5%	±5%	±5%	±7%
35°C	-5	663	282	1.93	13.01	2.35
	-10	541	256	1.85	10.58	2.11
	-15	434	232	1.77	8.46	1.88
	-20	342	208	1.70	6.64	1.64
	-25	264	186	1.63	5.11	1.42
	-30	200	165	1.56	3.87	1.21

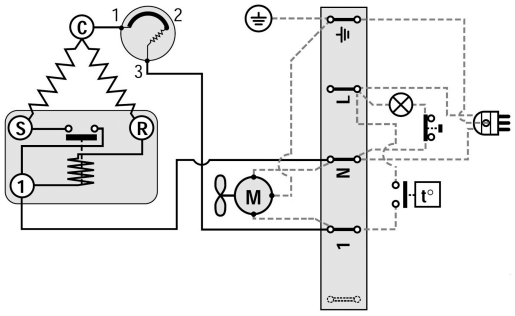
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
		±5%	±5%	±5%	±5%	±7%
45°C	-5	640	302	2.00	12.57	2.12
	-10	520	271	1.89	10.16	1.91
	-15	414	243	1.79	8.06	1.70
	-20	322	216	1.71	6.26	1.49
	-25	246	190	1.64	4.77	1.29
	-30	185	167	1.58	3.57	1.11

Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
		±5%	±5%	±5%	±5%	±7%
55°C	-5	618	322	2.07	12.14	1.92
	-10	498	287	1.93	9.74	1.74
	-15	394	254	1.81	7.67	1.55
	-20	304	223	1.72	5.90	1.36
	-25	229	195	1.65	4.44	1.18

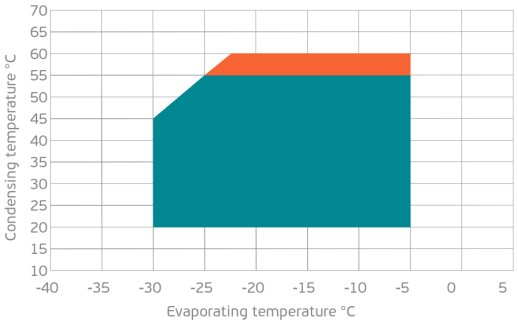
ASSEMBLY INSTRUCTION



WIRING DIAGRAM



OPERATING ENVELOPE

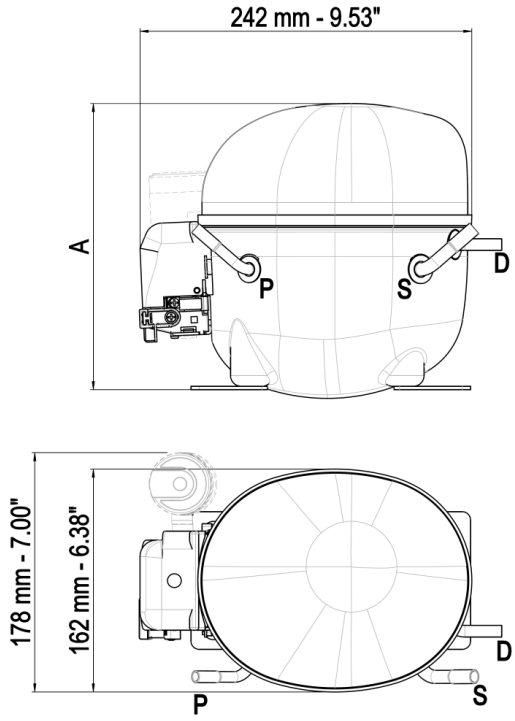


Operating Condition

Transient Condition

Superheating

NOTE: usage of compressors outside of intended working range cannot make use of the warranty, or should be consulted with Technical support.



DWG02	∅ mm	∅ in	material
S - Suction	6.10 - 6.20	0.24	Cu
P - Process	6.10 - 6.20	0.24	Cu
S - Discharge	4.86 - 5.02	3/16	Cu

DWG03	∅ mm	∅ in	material
S - Suction	8.10 - 8.20	0.32	Cu
P - Process	6.10 - 6.20	0.24	Cu
S - Discharge	6.10 - 6.20	0.24	Cu