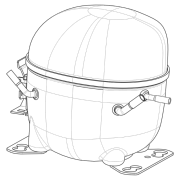
220-240V 50 1~



GENERAL DATA

Application: LBP
Refrigerant: R134a
Evaporating Temperature Range: -30°C to -5°C
Compressor Cooling: Static
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: Single - 1 pc
Displacement: 7.37 cm3
Horse power: 1.5 hp

Approvals:

MECHANICAL DATA

Bore: 24.28 mm
Stroke: 15.92 mm
Oil Charge: 350ml +/-15ml
Free Internal Volume: 2.1 cm3
Maximum Recommended Refrigerant Charge: 350 g
Oil Type Configuration: Polyolester
Oil Type Viscosity: ISO22
Compressor pressuriazation: Dry air charge
Weight: 10.2 kg

ELECTRICAL DATA

Motor Type: CSIR
Starting Torque: HST
Voltage working range at 50 Hz: 198-254 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 35 Ω (± 10%) at 25°C
Run Winding Resistance: 10 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 10 A

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Capacitor Bracket:	no	-
Washer:	no	-
Pin:	no	-
Clip:	no	-
Rotolock valve:	no	-
Cover:	yes	2075282
Grommets:	yes	2221011
Sleeves:	yes	2222018
Terminal Board:	yes	1027060
Overload Protector Bracket:	yes	2075299

ELECTRICAL COMPONENTS

	Component type	Description	Code
Start Capacitor:		53-64 MFD 330V	2252346
Starting Device:	Current relay	MTRP-0046-65	2334145
Motor Protection:	External 3/4"	T0827/G6	2319087

EXTERNAL CHARACTERISTICS

Base Plate: European
Tray Holder: No
Height: 188 mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	6.1	Copper	Slanted 42Â°
Discharge Connector	4.86	Copper	Straight
Process Connector	6.1	Copper	Slanted 42Â°

RATED POINT DATA

Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
±5%	±5%	±5%	±5%	±7%
97	102	1.00	2.06	0.95

Test condition: EN 12900, Static, Return Gas 20°C, Subcooling 0K, Evaporating: -35°C, Condensing: 40°C, Ambient: 35°C

PERFORMANCE CURVE DATA

220V 50Hz

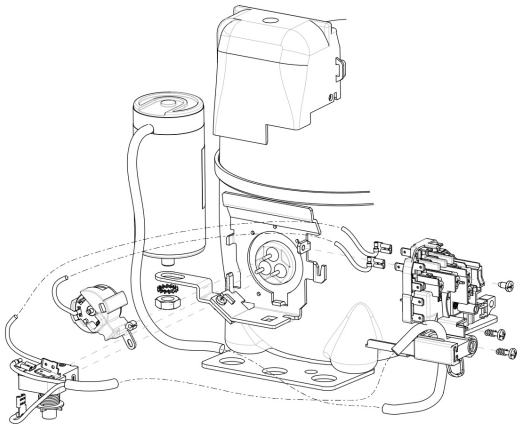
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	-5	500	217	1.35	10.67	2.31
	-10	408	194	1.27	8.70	2.10
	-15	326	173	1.20	6.93	1.88
	-20	255	153	1.14	5.37	1.66
	-25	194	135	1.08	4.07	1.44
	-30	145	118	1.04	3.03	1.23

Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
45°C	-5	437	236	1.42	10.26	1.85
	-10	356	209	1.32	8.32	1.70
	-15	283	184	1.23	6.56	1.54
	-20	220	160	1.16	5.01	1.37
	-25	166	139	1.10	3.68	1.20
	-30	122	119	1.05	2.62	1.02

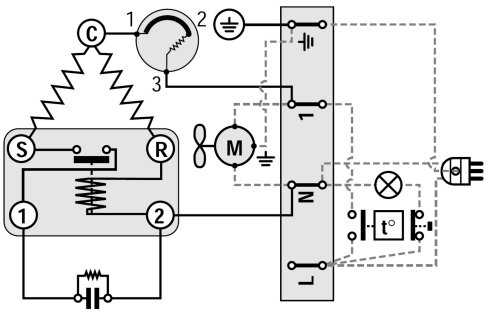
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	-5	377	256	1.50	9.84	1.48
	-10	305	223	1.37	7.94	1.37
	-15	241	193	1.26	6.21	1.25
	-20	184	166	1.17	4.67	1.11
	-25	136	141	1.10	3.34	0.96

Test condition: EN 12900, Static, Return Gas 20°C, Subcooling 0K, Ambient: 35°C

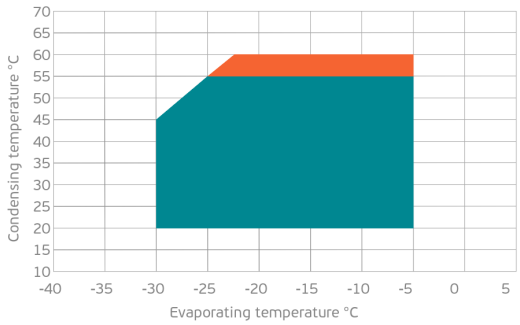
ASSEMBLY INSTRUCTION



WIRING DIAGRAM



OPERATING ENVELOPE

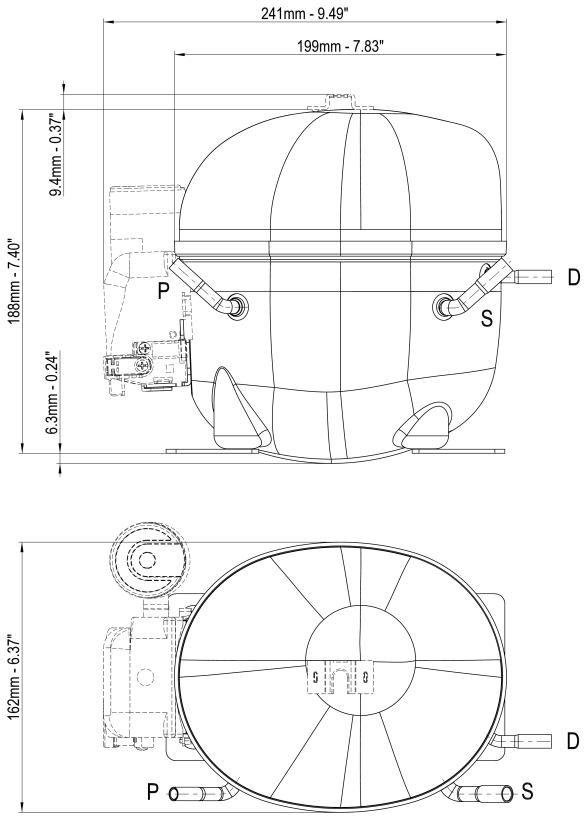


Operating Condition

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.



	∅ mm	∅ in	Material
S - Suction	6.10 - 6.20	0.24	Cu
P - Process	6.10 - 6.20	0.24	Cu
D - Discharge	4.86 - 5.03	0.19	Cu