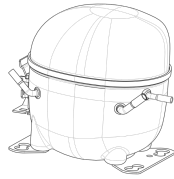


220-240V 50 1~**GENERAL DATA**

Application: LBP
Refrigerant: R404A
Evaporating Temperature Range: -40°C to -10°C
Compressor Cooling: Fan
Fan air flow: 520 m³/h
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: Single - 1 pc
Displacement: 14.28 cm³
Horse power: 3.4 hp

Approvals:     

**MECHANICAL DATA**

Bore: 30.16 mm
Stroke: 20 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 pressurization: Dry air charge
Weight: 12.3 kg

ELECTRICAL DATA

Motor Type: CSR
Starting Torque: HST
Voltage working range at 50 Hz: 198-254 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 13.9 Ω (± 10%) at 25°C
Run Winding Resistance: 3.3 Ω (± 10%) at 25°C

MOUNTING ACCESSORIES

	Description	Code
Terminal Board:	no	-
Anchorage:	no	-
Capacitor Bracket:	no	-
Washer:	no	-
Pin:	no	-
Clip:	no	-
Rotolock valve:	no	-
Grommets:	yes	2221011
Sleeves:	yes	2222018
Overload Protector Bracket:	yes	2075299
Cover:	yes	2075278

ELECTRICAL COMPONENTS

	Component type	Description	Code
Starting Device:	Potential relay	RVA403C-123	1253023
Start Capacitor:		88-108 MFD 330V	2252269
Motor Protection:	External 3/4"	T0634/G9	2321002
Run Capacitor:		10 MFD	2253316
CSR / CSIR Box:	yes		1272328

EXTERNAL CHARACTERISTICS

Base Plate: European
Tray Holder: No
Height: 206 mm

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

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%
715	550	2.98	16.54	1.30

Test condition: ASHRAE, Fan, Return Gas 32.2°C, Evaporating: -23.3°C, Condensing: 54°C, Ambient: 32.2°C, Liquid: 32.2°C

PERFORMANCE CURVE DATA

220V 50Hz

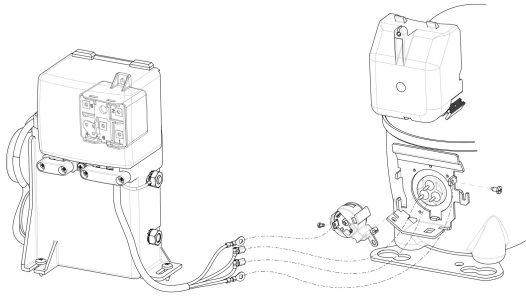
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	-10	1 428	643	3.34	33.70	2.22
	-15	1 171	588	3.13	27.46	1.99
	-20	945	535	2.94	22.02	1.77
	-25	749	483	2.78	17.36	1.55
	-30	582	434	2.63	13.45	1.34
	-35	445	386	2.51	10.25	1.15
	-40	338	341	2.41	7.74	0.99

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	-10	1 358	699	3.56	31.98	1.94
	-15	1 110	632	3.29	25.97	1.76
	-20	892	568	3.04	20.73	1.57
	-25	702	507	2.82	16.24	1.38
	-30	541	449	2.64	12.47	1.21
	-35	409	394	2.49	9.39	1.04

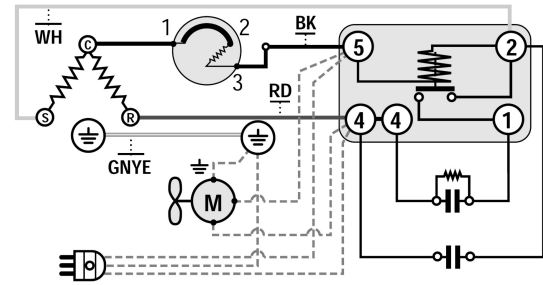
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	-10	1 278	753	3.78	30.04	1.70
	-15	1 041	674	3.45	24.30	1.54
	-20	832	599	3.16	19.31	1.39
	-25	651	528	2.90	15.04	1.23
	-30	498	462	2.69	11.46	1.08

Test condition: ASHRAE, Fan, Return Gas 32.2°C, Ambient: 32.2°C, Liquid: 32.2°C

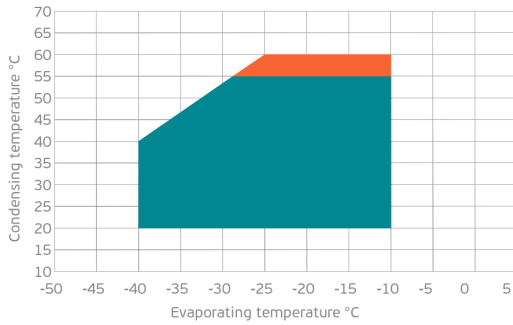
ASSEMBLY INSTRUCTION



WIRING DIAGRAM

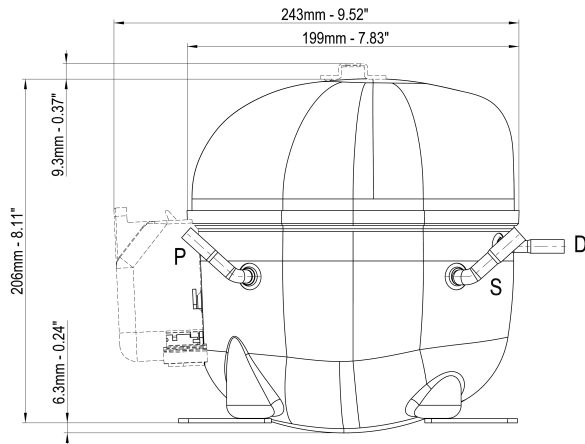


OPERATING ENVELOPE

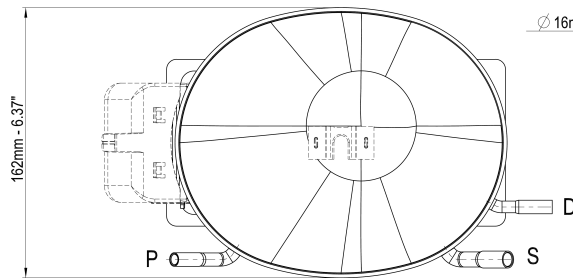


- Operating Condition
- Transient Condition
- Superheating

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	8.10 - 8.20	0.32	Cu
P - Process	6.10 - 6.20	0.24	Cu
D - Discharge	6.10 - 6.20	0.24	Cu



∅ 16mm - 0.63" (x6)

