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 m^3/h
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: Multi - 36 pcs
Displacement: 22.4 cm3
Horse power: 1 hp

Approvals:

MECHANICAL DATA

Bore: 36.99 mm
Stroke: 20.83 mm
Oil Charge: 450ml +/-15ml
Free Internal Volume: 3.3 cm3
Maximum Recommended Refrigerant Charge: 800 g
Oil Type Configuration: Polyolester
Oil Type Viscosity: ISO22
Compressor pressuriazation: Dry air charge
Weight: 18.2 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: 8.4 Ω (± 10%) at 25°C
Run Winding Resistance: 1.9 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 36 A

MOUNTING ACCESSORIES

	Description	Code
Terminal Board:	no	-
Anchorage:	no	-
Capacitor Bracket:	no	-
Grommets:	yes	2221004
Sleeves:	yes	2222016
Washer:	no	-
Pin:	no	-
Clip:	no	-
Rotolock valve:	no	-
Overload Protector Bracket:	yes	2075299
Cover:	yes	2075278

ELECTRICAL COMPONENTS

	Component type	Description	Code
Run Capacitor:		15 MFD	2253310
Starting Device:	Potential relay	RVA3N3C-122	1253022
Start Capacitor:		130-156 MFD 250V	2252329
Motor Protection:	External 3/4"	MST26AHK-3261	2321162
CSR / CSIR Box:	yes		1262243

EXTERNAL CHARACTERISTICS

Base Plate: Universal
Tray Holder: No
Height: 234 mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	9.6	Copper	Vertical
Discharge Connector	6.42	Copper	Vertical

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%
567	535	2.70	15.38	1.06

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

PERFORMANCE CURVE DATA

220V 50Hz

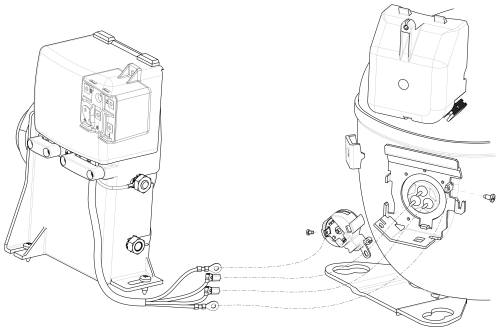
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	-10	2 004	894	4.22	52.82	2.24
	-15	1 647	815	3.90	43.03	2.02
	-20	1 334	742	3.59	34.58	1.80
	-25	1 062	672	3.28	27.35	1.58
	-30	828	602	2.98	21.24	1.38
	-35	632	529	2.67	16.13	1.19
	-40	470	450	2.37	11.92	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%
45°C	-10	1 670	980	4.66	50.14	1.70
	-15	1 366	883	4.25	40.62	1.55
	-20	1 100	794	3.85	32.42	1.39
	-25	870	708	3.47	25.43	1.23
	-30	672	624	3.09	19.54	1.08
	-35	505	539	2.71	14.63	0.94

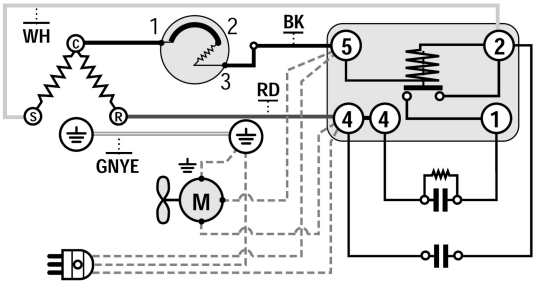
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	-10	1 331	1 079	5.05	47.14	1.23
	-15	1 083	960	4.55	37.97	1.13
	-20	868	849	4.07	30.10	1.02
	-25	682	744	3.61	23.42	0.92
	-30	523	642	3.17	17.83	0.81

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

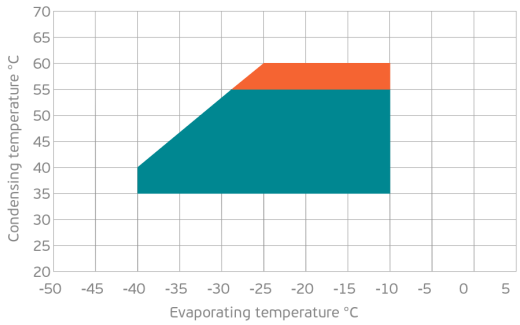
ASSEMBLY INSTRUCTION



WIRING DIAGRAM



OPERATING ENVELOPE

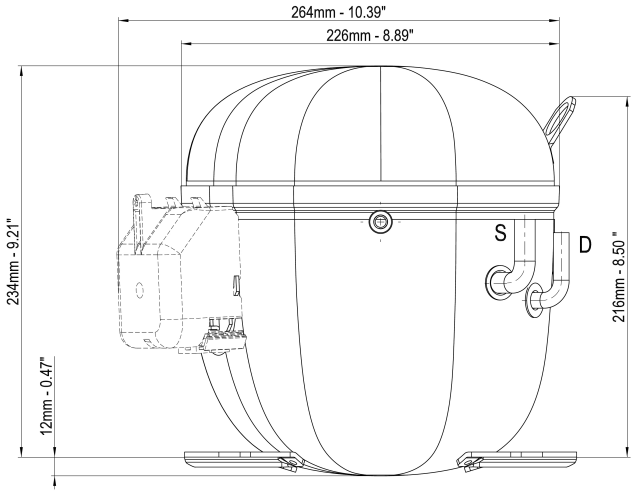


Operating Condition

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	9.60	0.37	Cu
P - Process	6.42	0.25	Cu
D - Discharge	6.42	0.25	Cu