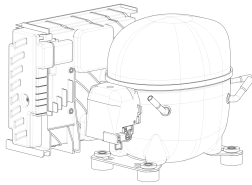


220-240V 1~**GENERAL DATA**

Application: HBP
Refrigerant: R134a
Evaporating Temperature Range: -15°C to 10°C
Compressor Cooling: Fan
Fan air flow: 520 m³/h
Type: Hermetic reciprocating
Technology Type: VCC
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: Multi - 40 pcs
Displacement: 14.28 cm³

Approvals:   

MECHANICAL DATA

Bore: 30.16 mm
Stroke: 20 mm
Oil Charge: 500ml +/-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: 13.7 kg

ELECTRICAL DATA

Motor Type: BPM
Starting Torque: HST
Voltage working range at 50 Hz: 150 (160)-240 V
Voltage working range at 60 Hz: 150 (160) V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 3.82 Ω (± 10%) at 25°C
Run Winding Resistance: 2.53 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 6 A

MOUNTING ACCESSORIES

	Description	Code
Terminal Board:	no	-
Capacitor Bracket:	no	-
Grommets:	yes	2221004
Sleeves:	yes	2222016
Washer:	no	-
Pin:	no	-
Clip:	no	-
Rotolock valve:	no	-
Cover:	yes	2075282
Anchorage:	yes	1027058
Overload Protector Bracket:	yes	2075299

ELECTRICAL COMPONENTS

	Component type	Description	Code
Inverter:	HP DROP IN	1000W 220V	519302020
Motor Protection:	External 3/4"	MST20EL-3166	2288319

EXTERNAL CHARACTERISTICS

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

	Internal Diameter (mm)	Material	Shape
Suction Connector	8.1	Copper	Slanted 42°
Discharge Connector	6.45	Copper	Straight
Process Connector	6.45	Copper	Slanted 42°

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%
896	364	1.56	20.90	2.46

Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling 0K, Evaporating: 5°C, Condensing: 50°C, Ambient: 35°C

PERFORMANCE CURVE DATA**2000 RPM**

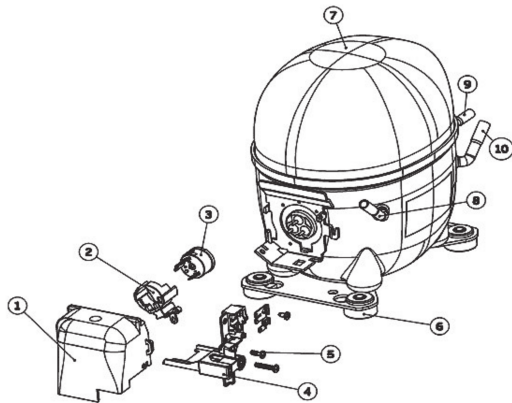
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	10	1 308	320	1.35	26.79	4.08
	5	1 076	297	1.25	21.88	3.62
	0	873	274	1.15	17.64	3.19
	-5	698	251	1.05	14.04	2.79
	-10	552	228	0.95	11.06	2.42
	-15	435	206	0.85	8.67	2.11

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	1 170	373	1.60	26.20	3.14
	5	958	342	1.46	21.28	2.80
	0	771	312	1.32	17.02	2.48
	-5	610	281	1.19	13.39	2.17
	-10	475	251	1.06	10.38	1.89
	-15	366	221	0.93	7.96	1.65

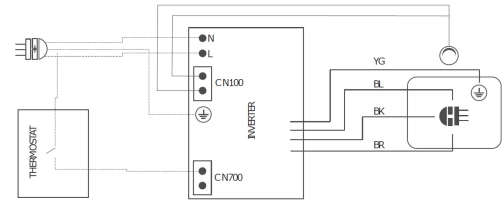
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	10	1 020	422	1.82	25.26	2.42
	5	833	385	1.65	20.47	2.16
	0	670	349	1.49	16.34	1.92
	-5	529	313	1.33	12.83	1.69
	-10	411	277	1.17	9.92	1.49

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

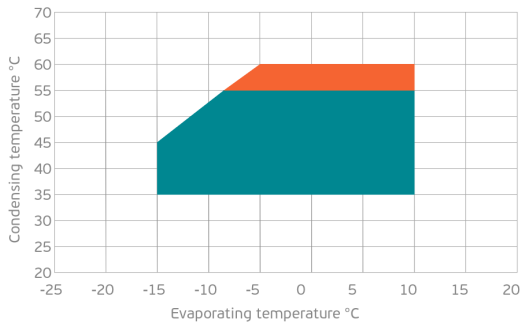
ASSEMBLY INSTRUCTION



WIRING DIAGRAM

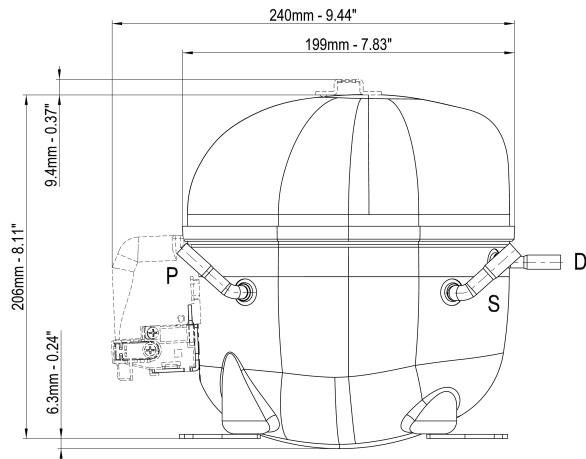


OPERATING ENVELOPE



- 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	8.10 - 8.20	0.32	Cu
P - Process	6.45 - 6.55	0.25	Cu
D - Discharge	6.45 - 6.55	0.25	Cu

