

200-240V 50Hz / 230V 60Hz 1~



GENERAL DATA

Application: HBP
Refrigerant: R134a
Evaporating Temperature Range: -15°C to 10°C
Compressor Cooling: Fan
Fan air flow: 520 m3/h
Maximum Condensing Pressure - Operating: 13.92 bar
Maximum Condensing Pressure - Peak: 15.62 bar
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: Multi - 24 pcs
Displacement: 22.4 cm3
Horse power: 3/4 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 ml
Oil Type Configuration: Polyolester
Oil Type Viscosity: ISO22
Compressor pressurization: Dry air charge
Weight: 16.7 kg

ELECTRICAL DATA

Motor Type: CSIR
Starting Torque: HST
Voltage working range at 50 Hz: 180-254 V
Voltage working range at 60 Hz: 207-253 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 12.87 Ω (± 10%) at 25°C
Run Winding Resistance: 2.05 Ω (± 10%) at 25°C
Locked Rotor Amperage (RLA): 30 A

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Grommets:	yes	2221004
Sleeves:	yes	2222016
Washer:	no	-
Pin:	no	-
Clip:	no	-
Rotolock valve:	no	-
Cover:	yes	2075282
Terminal Board:	yes	1027060
Overload Protector Bracket:	yes	2075299
Capacitor Bracket:	yes	2255007

ELECTRICAL COMPONENTS

	Component type	Description	Code
Start Capacitor:		88-108 MFD 330V	2252364
Starting Device:	Current relay	MTRPH-55-65	2334101
Motor Protection:	External 3/4"	T0901/G6	2319106

EXTERNAL CHARACTERISTICS

Base Plate: Universal
Tray Holder: No
Height: 220 mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	9.6	Copper	Vertical
Discharge Connector	6.42	Copper	Vertical
Process 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%
599	854	5.20	45.04	0.70

Test condition: ASHRAE, Fan, Return Gas 35°C, Subcooling 8.3K, Evaporating: 7.2°C, Condensing: 54°C, Ambient: 35°C

PERFORMANCE CURVE DATA

200V 50Hz

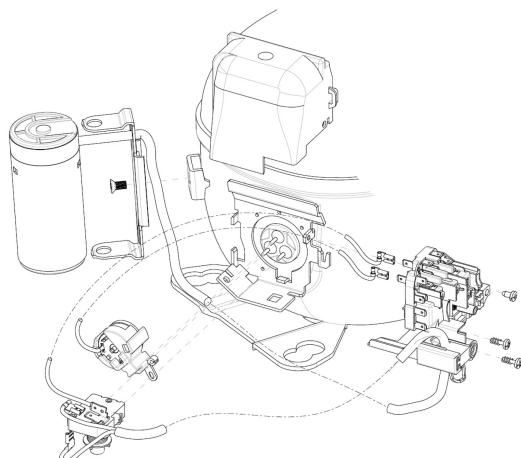
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (w/W)
		±5%	±5%	±5%	±5%	±7%
35°C	10	2 919	736	4.70	55.14	3.97
	5	2 415	674	4.41	45.33	3.58
	0	1 973	615	4.16	36.84	3.21
	-5	1 593	559	3.93	29.60	2.85
	-10	1 273	506	3.73	23.58	2.52
	-15	1 014	455	3.55	18.71	2.23

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	10	2 572	822	5.07	52.61	3.13
	5	2 116	747	4.72	42.97	2.83
	0	1 721	677	4.41	34.73	2.54
	-5	1 386	611	4.14	27.84	2.27
	-10	1 112	549	3.89	22.25	2.03
	-15	897	491	3.67	17.89	1.83

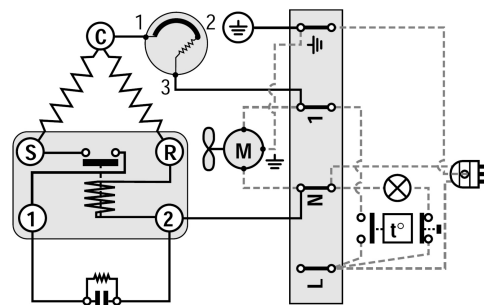
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (w/W)
		±5%	±5%	±5%	±5%	±7%
55°C	10	2 249	913	5.47	50.26	2.46
	5	1 843	824	5.06	40.89	2.24
	0	1 498	740	4.69	33.01	2.02
	-5	1 212	663	4.35	26.56	1.83
	-10	985	590	4.05	21.49	1.67

Test condition: ASHRAE, Fan, Return Gas 35°C, Subcooling 8.3K, Evaporating: 7.2°C, Condensing: 54°C, Ambient: 35°C

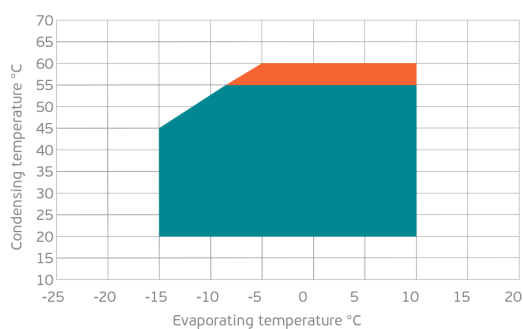
ASSEMBLY INSTRUCTION



WIRING DIAGRAM

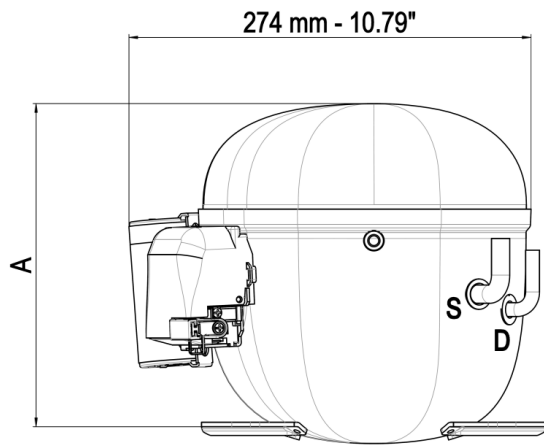


OPERATING ENVELOPE

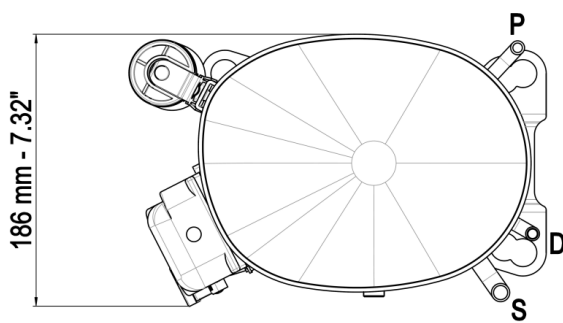


- Operating Condition
- Transient Condition
- Superheating

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



	Ø mm	Ø in	material
S - Suction	9.60 - 9.67	3/8	Cu
P - Process	6.42 - 6.50	1/4	Cu
S - Discharge	6.42 - 6.50	1/4	Cu



Ø 19 mm - 0.75" (x8)

