

Condensing Unit

Technical Data Sheet

Model CGPY12RAa_N
Voltage 220-240V 50Hz ~1
Refrigerant R134a

APPLICATION

Application High-Medium Back Pressure
 Refrigerant R134a
 Evaporating Temp. -25,0 °C to 10,0 °C
 Expansion Capillar/Valve
 Comp. Cooling Fan cooled
 Max. ambient temp. 43,0 °C

COMPRESSOR

Displacement 12,10 cm³
 Diameter 27,00 mm
 Stroke 21,13 mm
 Oil type ISO VG 32 ESTER
 Oil charge 400 cm³

MOTOR

Nominal Power 3/8 hp
 Voltage/Frequency 220-240V 50Hz
 Voltage range 187-255 V
 Type CSIR
 Phase number 1 PH
 Locked Rotor Amps (LRA) 14,50 A
 Max. Cont. Current (MCC) 4,10 A
 Main W. resist. at 25°C 6,12 Ω
 Start W. resist. at 25°C 17,65 Ω

NOMINAL PERFORMANCE

ASHRAE

Cooling Capacity	1.188 W
COP	2,08 W/W
EER	1,79 kCal/Wh
Input Power	571 W
Current	3,02 A

TEST CYCLE CONDITIONS

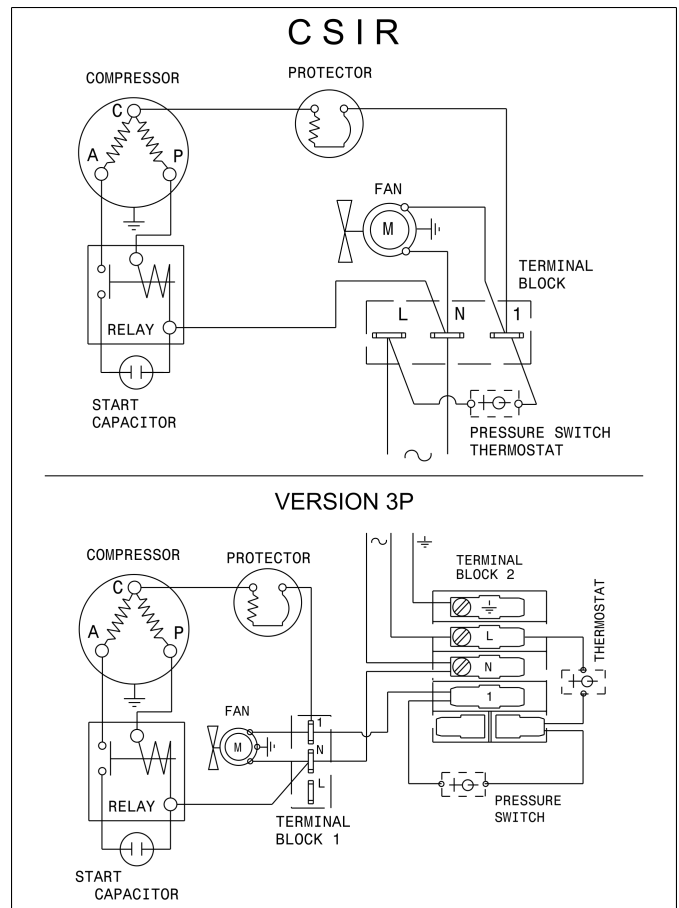
HMBP

Evaporating temp. (T_e)	7,2 °C
Condensing temp. (T_c)	55,0 °C
Liquid temp. ($T_{liq.}$)	46,0 °C
Ambient temp. ($T_{amb.}$)	35,0 °C
Suction temp. ($T_{suction}$)	35,0 °C
Voltage/Frequency	220 V 50 Hz

CONDENSER AND FAN DATA

Condenser type	CU-AL
Condenser model	9T 3R
Fan blade (Ø mm / °)	230 / 28
Fan motor	10W 230V 50/60Hz

WIRING DIAGRAM



REFRIGERATION CAPACITY (W)

Evaporating Temperature (°C)

Model	Motor	-25	-15	-5	5	7.2			10
						W	Winp	A	
CGPY12RAa_N	CSIR	314	504	768	1104	1188	571	3.02	1300

ASHRAE HMBP: Consending temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

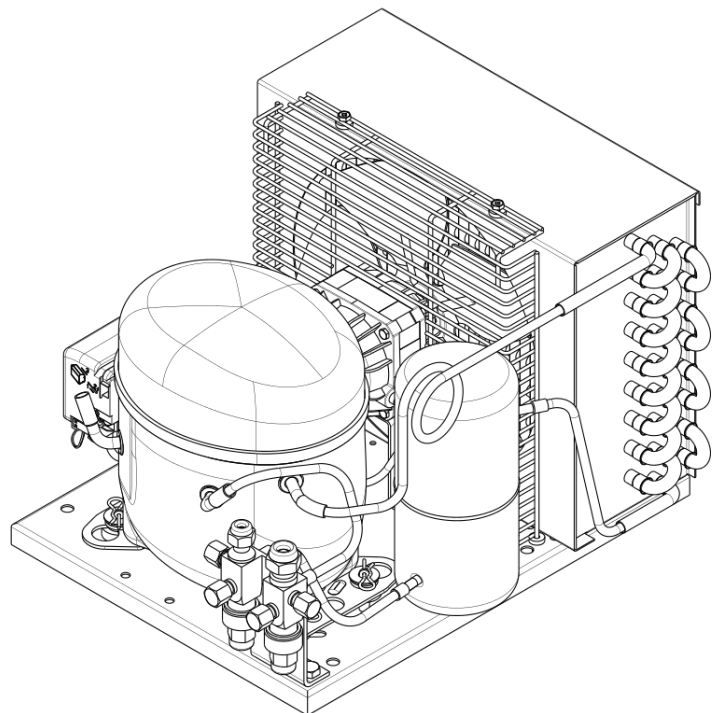
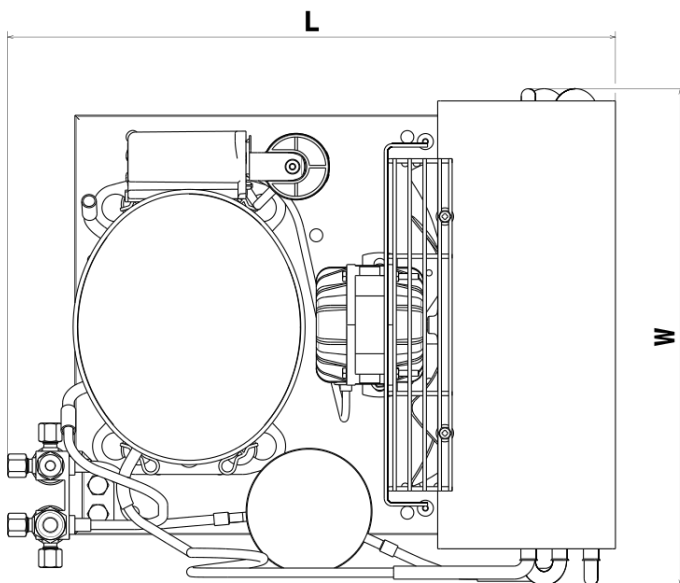
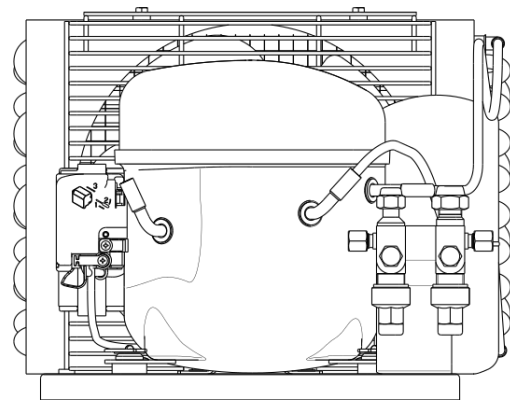
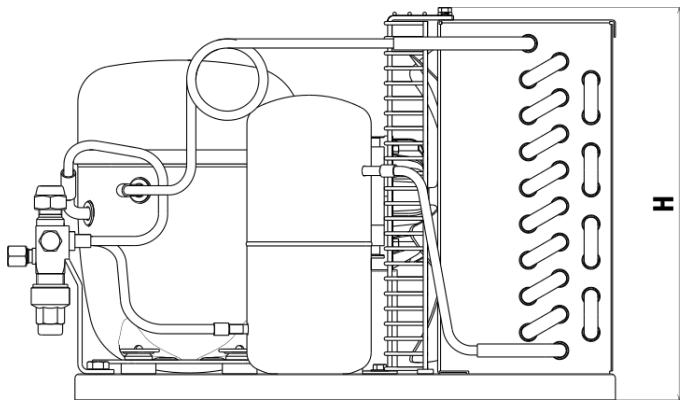
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VERSIONS

VERSION 1	VERSION 2	VERSION 3	VERSION 3P	VERSION 4
Tube	Service valve	Service valve and receiver	Service valve, receiver, pressure switch	Schrader valve on the service port
Suction tube internal diam.: 8,1 mm	Suction valve: 3/8"	Receiver vol.: 0,9 l	Receiver vol.: 0,9 l	Suction tube internal diam.: 8,1 mm
Discharge tube internal diam.: 6,5 mm	Discharge valve: 1/4"	Suction valve: 3/8"	Suction valve: 3/8"	Discharge tube internal diam.: 6,5 mm
Net Weight: 20,7 Kg	Net Weight: 21,2 Kg	Discharge valve: 1/4"	Discharge valve: 1/4"	Net Weight: 20,7 Kg
		Net Weight: 21,5 Kg	Net Weight: 22,6 Kg	

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
345x385x275	345x425x275	345x425x275	350x435x275