

Condensing Unit

Technical Data Sheet

Model CGPY16RAb_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 16,15 cm³
 Diameter 31,19 mm
 Stroke 21,13 mm
 Oil type ISO VG 32 ESTER
 Oil charge 450 cm³

MOTOR

Nominal Power 1/2 hp
 Voltage/Frequency 220-240V 50Hz
 Voltage range 187-255 V
 Type CSR
 Phase number 1 PH
 Locked Rotor Amps (LRA) 22,10 A
 Max. Cont. Current (MCC) 5,60 A
 Main W. resist. at 25°C 4,10 Ω
 Start W. resist. at 25°C 11,36 Ω

NOMINAL PERFORMANCE

ASHRAE

Cooling Capacity	1.444 W
COP	2,37 W/W
EER	2,04 kCal/Wh
Input Power	609 W
Current	2,99 A

TEST CYCLE CONDITIONS

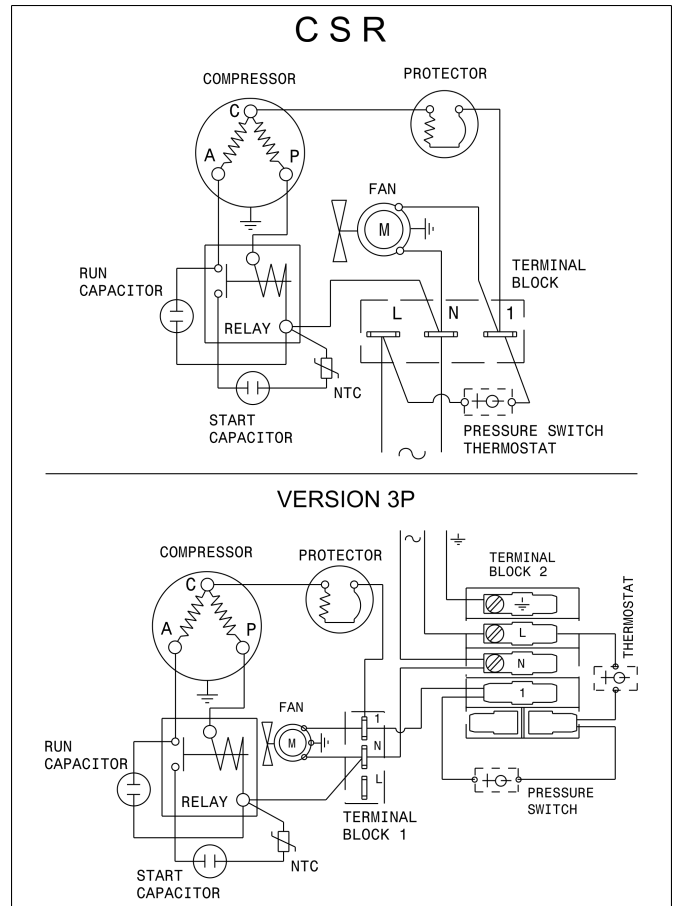
HMBP

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	11T 3R
Fan blade (Ø mm / °)	254 / 34
Fan motor	25W 220-240V 50/60Hz

WIRING DIAGRAM



REFRIGERATION CAPACITY (W)

Evaporating Temperature (°C)

Model	Motor	-25	-15	-5	5	7.2			10
						W	Winp	A	
CGPY16RAb_N	CSR	390	644	964	1350	1444	609	2.99	1568

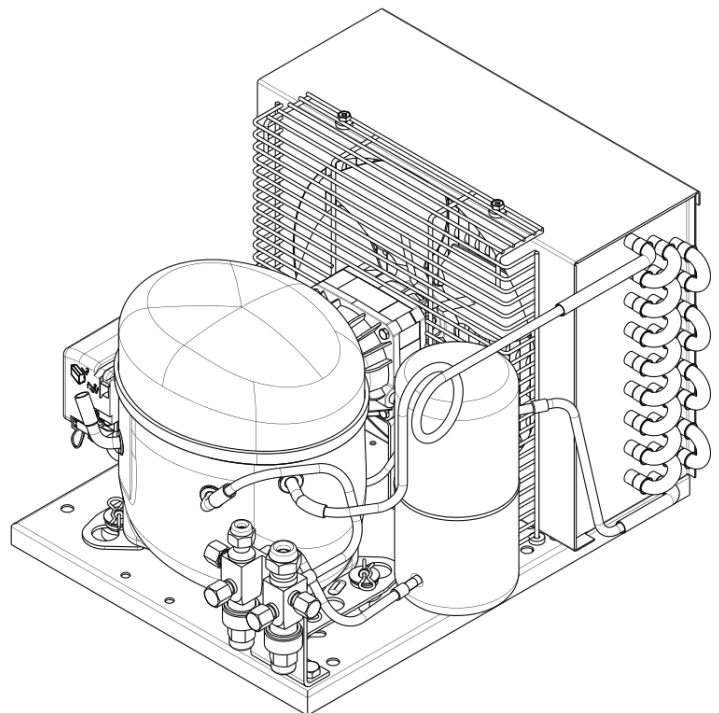
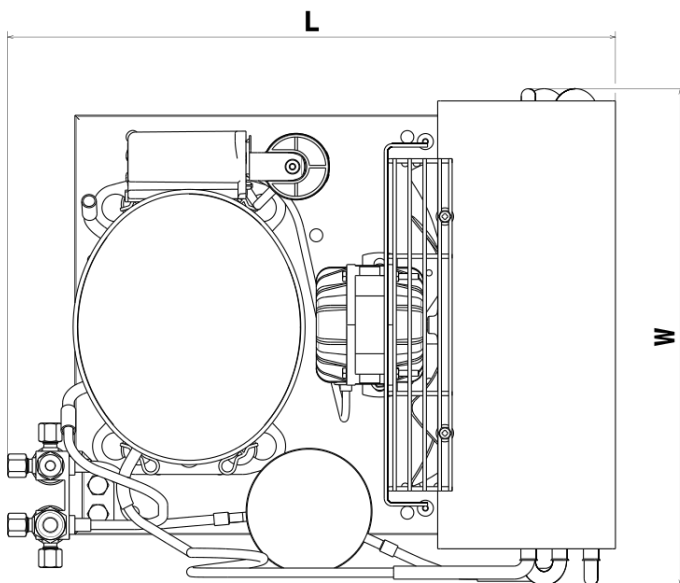
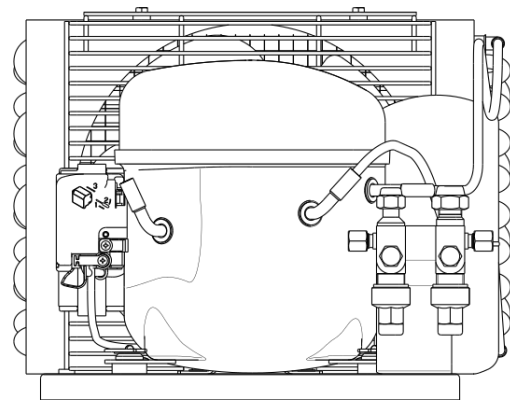
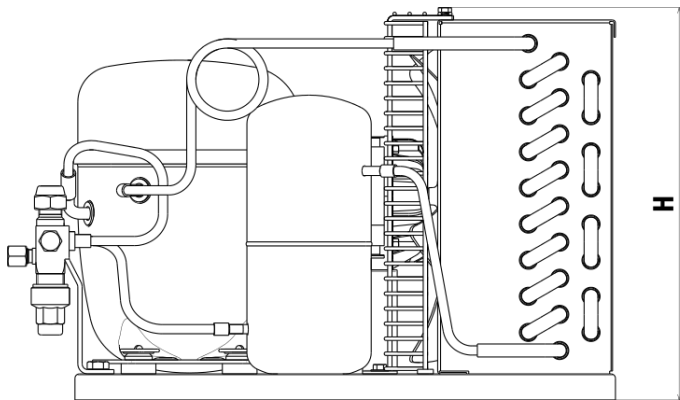
ASHRAE HMBP: Consending temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

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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 Discharge tube internal diam.: 6,5 mm Net Weight: 21,8 Kg	Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 22,2 Kg	Receiver vol.: 1,1 l Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 23,5 Kg	Receiver vol.: 1,1 l Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 24,6 Kg	Suction tube internal diam.: 8,1 mm Discharge tube internal diam.: 6,5 mm Net Weight: 21,8 Kg

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
435x485x305	435x510x305	435x510x305	435x510x305