

Condensing Unit Technical Data Sheet

Model CGPY16RAa_N
Voltage 220-240V 50Hz ~1
Refrigerant R134a

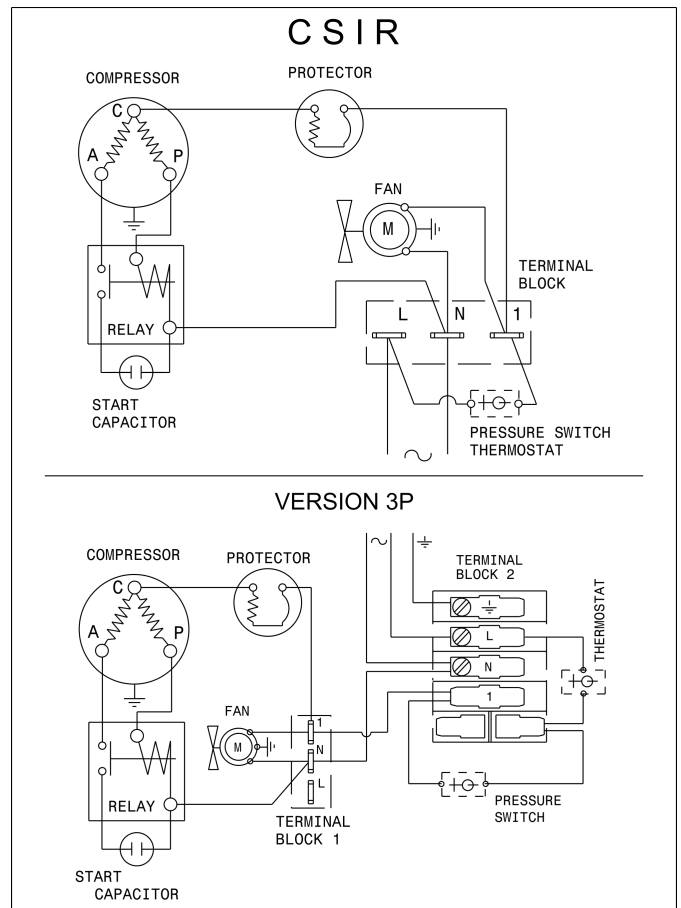
APPLICATION		COMPRESSOR	MOTOR
Application	High-Medium Back Pressure	Displacement 16,15 cm ³	Nominal Power 1/2 hp
Refrigerant	R134a	Diameter 31,19 mm	Voltage/Frequency 220-240V 50Hz
Evaporating Temp.	-25,0 °C to 10,0 °C	Stroke 21,13 mm	Voltage range 187-264 V
Expansion	Capillar/Valve	Oil type ISO VG 32 ESTER	Type CSIR
Comp. Cooling	Fan cooled	Oil charge 400 cm ³	Phase number 1 PH
Max. ambient temp.	43,0 °C		Locked Rotor Amps (LRA) 16,50 A
			Max. Cont. Current (MCC) 6,20 A
			Main W. resist. at 25°C 3,93 Ω
			Start W. resist. at 25°C 10,70 Ω

NOMINAL PERFORMANCE	ASHRAE
Cooling Capacity	1.444 W
COP	2,19 W/W
EER	1,88 kCal/Wh
Input Power	659 W
Current	3,95 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	10T 4R
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	
CGPY16RAa_N	CSIR	390	644	964	1350	1444	659	3.95	1568

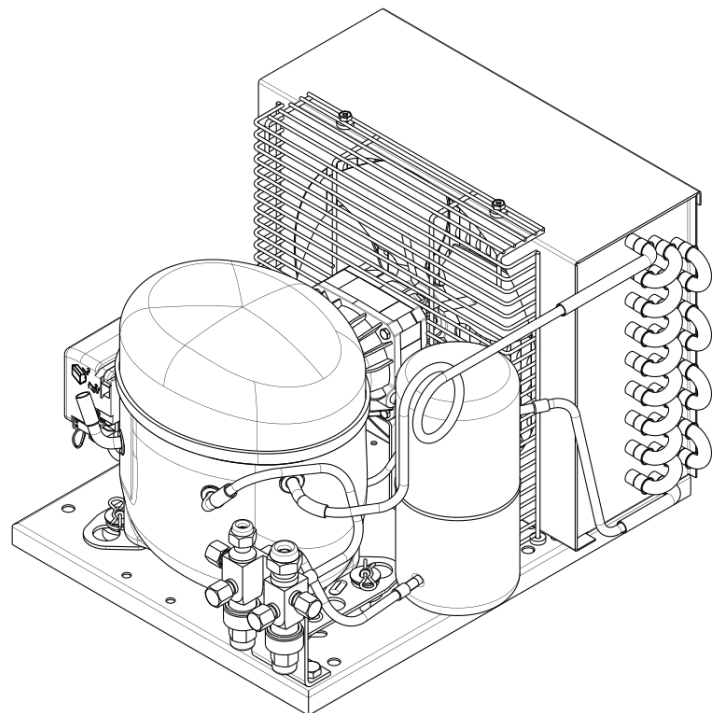
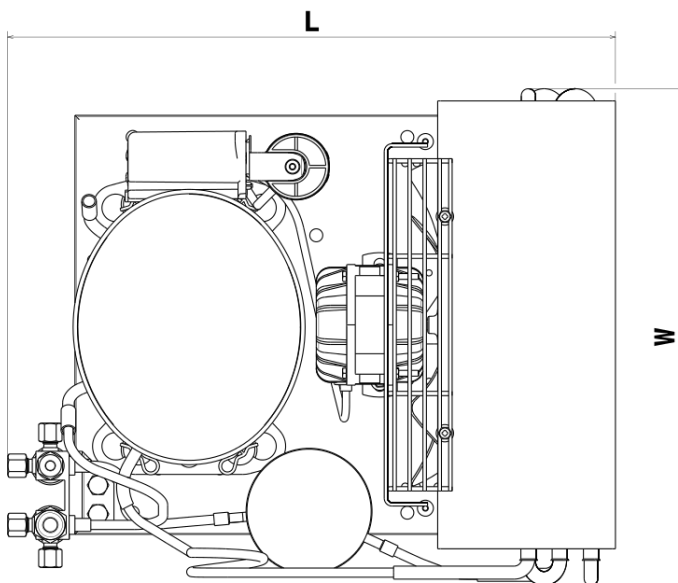
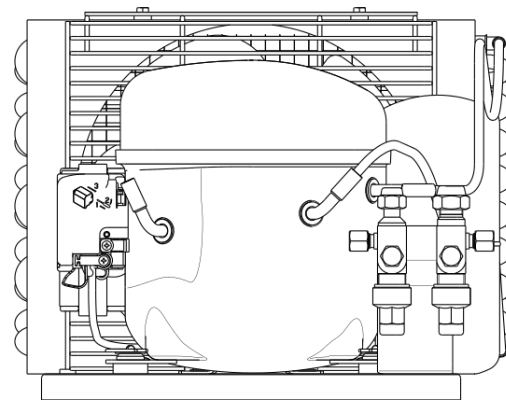
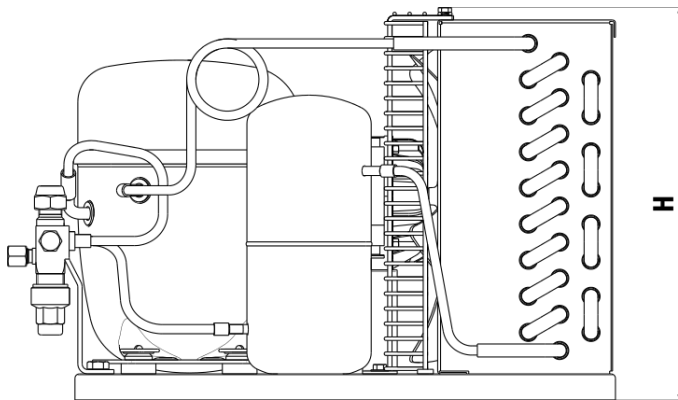
ASHRAE HMBP: Condensing temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

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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)
350x490x300	355x510x300	355x510x300	355x540x300