

Condensing Unit Technical Data Sheet

Model CGPY16RDa_N
Voltage 115V 60Hz ~1
Refrigerant R134a

APPLICATION

Application	High Back Pressure
Refrigerant	R134a
Evaporating Temp.	-15,0 °C to 10,0 °C
Expansion	Capillar/Valve
Comp. Cooling	Fan cooled
Max. ambient temp.	43,0 °C

COMPRESSOR

Displacement	16,15 cm ³
Diameter	31,19 mm
Stroke	21,13 mm
Oil type	ISO VG 32 ESTER
Oil charge	400 cm ³

MOTOR

Nominal Power	1/2 hp
Voltage/Frequency	115V 60Hz
Voltage range	98-132 V
Type	CSIR
Phase number	1 PH
Locked Rotor Amps (LRA)	46,00 A
Max. Cont. Current (MCC)	12,50 A
Main W. resist. at 25°C	0,89 Ω
Start W. resist. at 25°C	4,55 Ω

NOMINAL PERFORMANCE

Cooling Capacity	1.895 W
COP	2,10 W/W
EER	1,81 kCal/Wh
Input Power	901 W
Current	8,15 A

ASHRAE

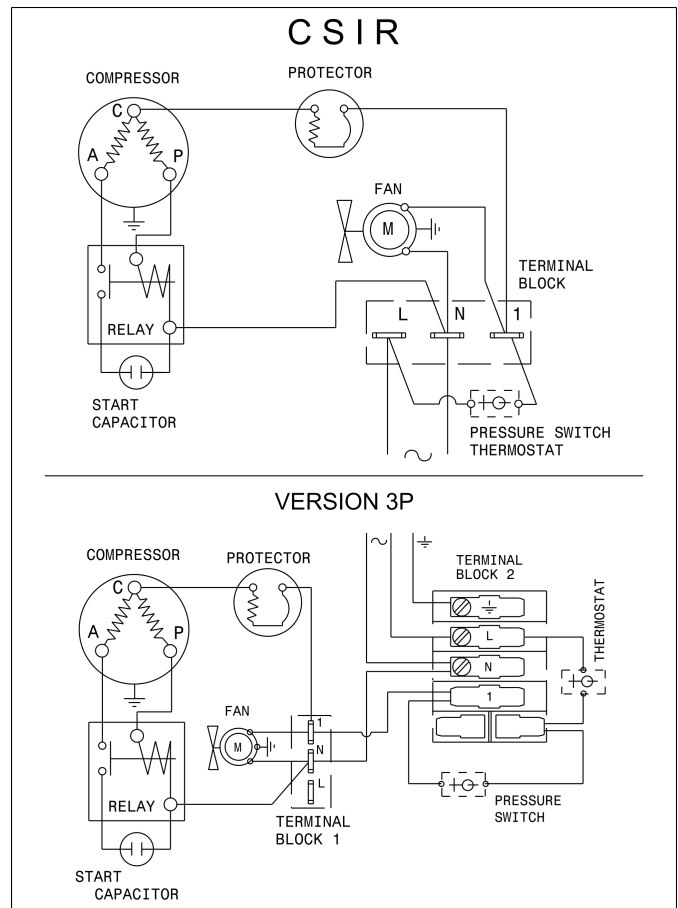
TEST CYCLE CONDITIONS

	HBP
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	115 V 60 Hz

CONDENSER AND FAN DATA

Condenser type	CU-AL
Condenser model	10T 4R
Fan blade (Ø mm / °)	254 / 34
Fan motor	27W 115V 60Hz

WIRING DIAGRAM



REFRIGERATION CAPACITY (W) Evaporating Temperature (°C)

Model	Motor	-25	-15	-5	5	7.2			10
						W	Winp	A	
CGPY16RDa_N	CSIR	487	807	1232	1763	1895	901	8.15	2069

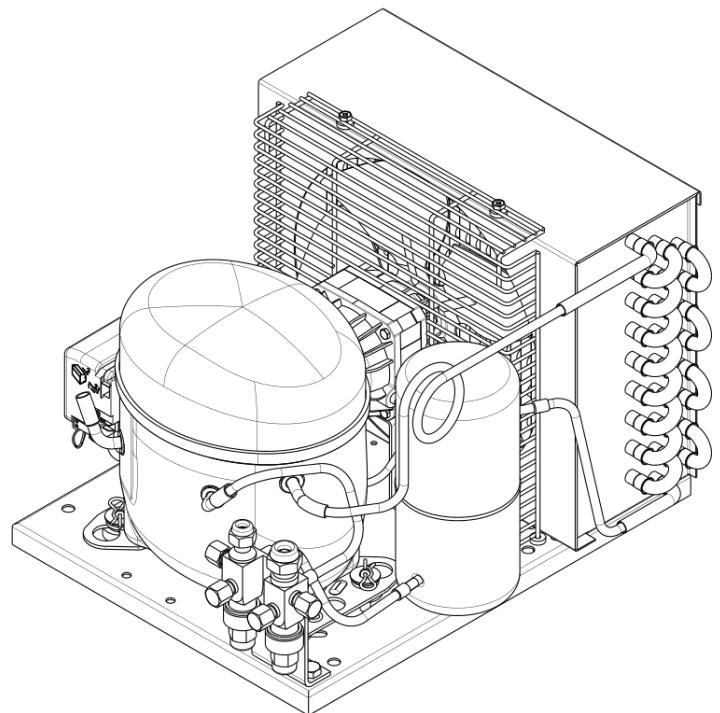
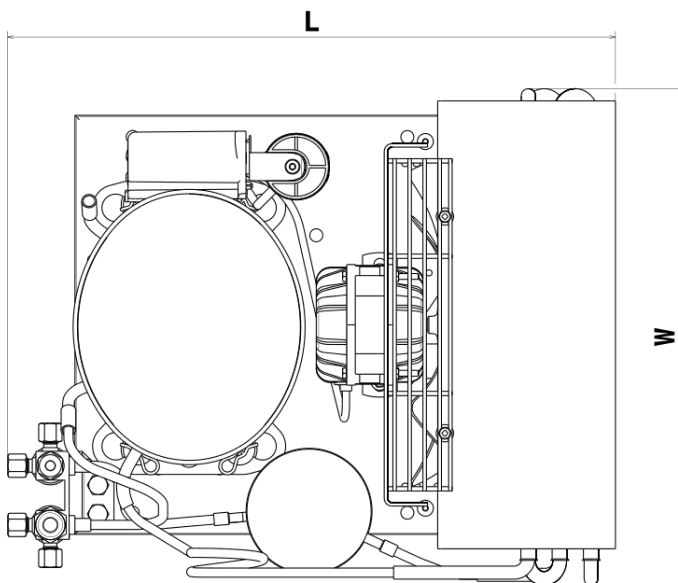
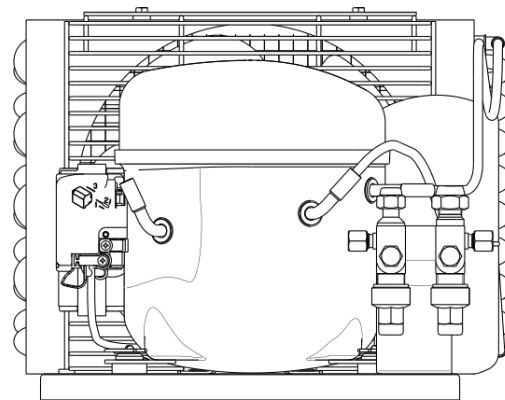
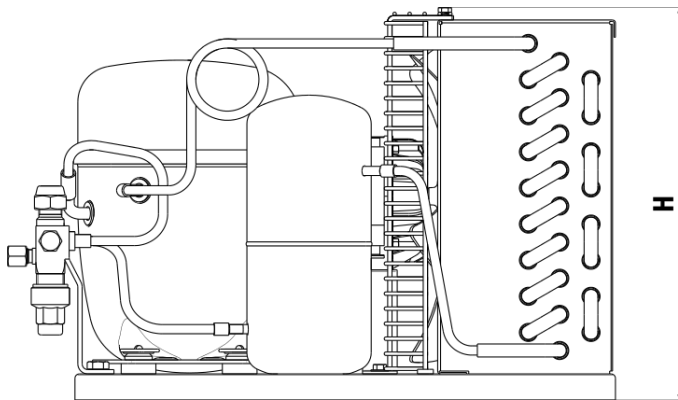
ASHRAE HBP: Condensing temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

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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