

Condensing Unit

Technical Data Sheet

Model CGPT16RG_N
Voltage 200-220/220-230V 50/60Hz ~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 cm³
Diameter	31,19 mm
Stroke	21,13 mm
Oil type	ISO VG 32 ESTER
Oil charge	400 cm³

MOTOR

Nominal Power	1/2 hp
Voltage/Frequency	220-230V 60Hz
Voltage range	187-253 V
Type	CSR
Phase number	1 PH
Locked Rotor Amps (LRA)	21,00 A
Max. Cont. Current (MCC)	5,00 A
Main W. resist. at 25°C	4,50 Ω
Start W. resist. at 25°C	10,80 Ω

NOMINAL PERFORMANCE

ASHRAE

Cooling Capacity	1.783 W
COP	2,26 W/W
EER	1,94 kCal/Wh
Input Power	790 W
Current	3,42 A

TEST CYCLE CONDITIONS

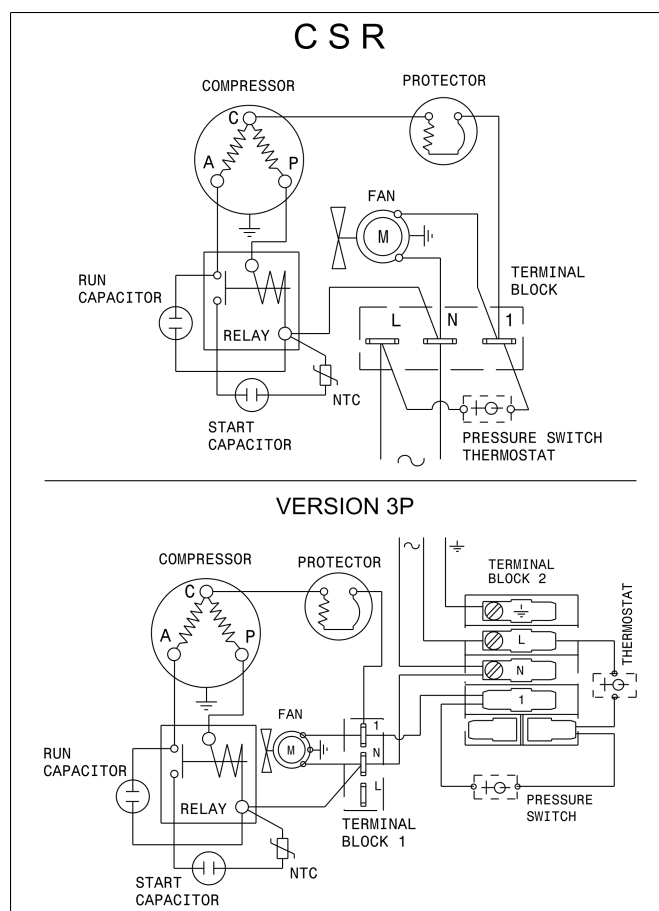
HBP

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	230 V 60 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	
CGPT16RG_N	CSR	-	848	1204	1667	1783	790	3.42	1935

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

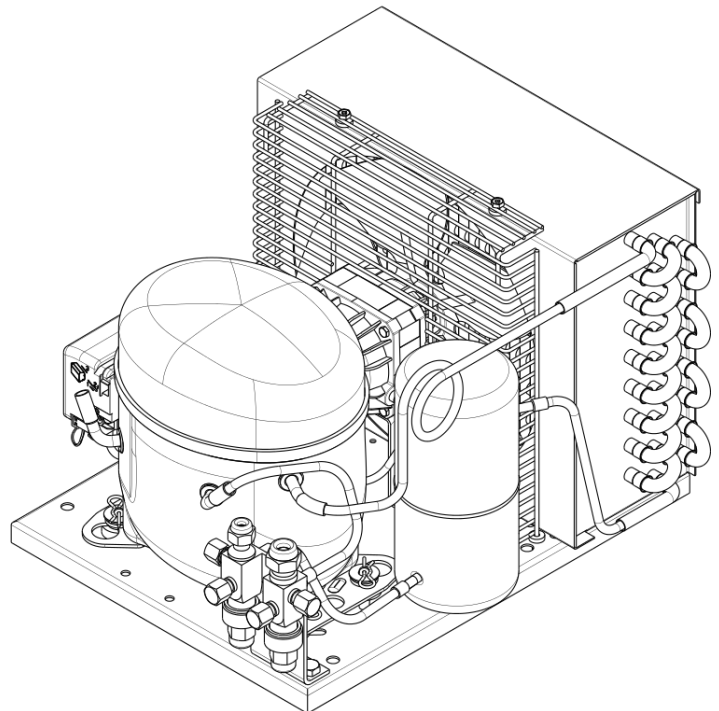
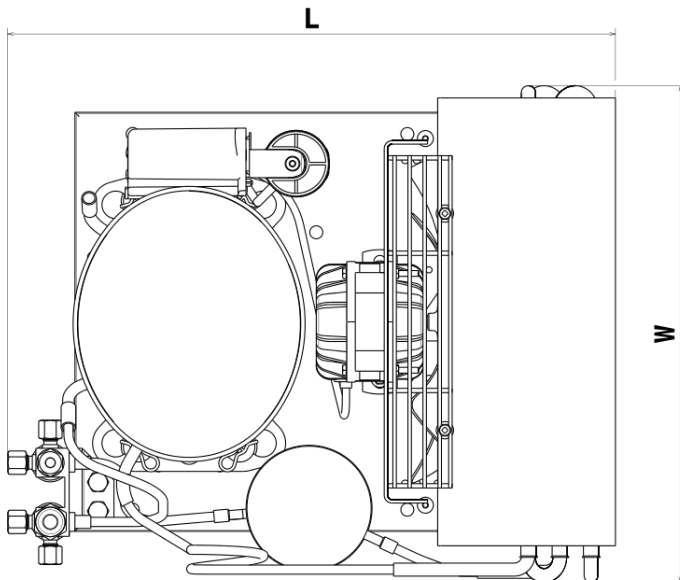
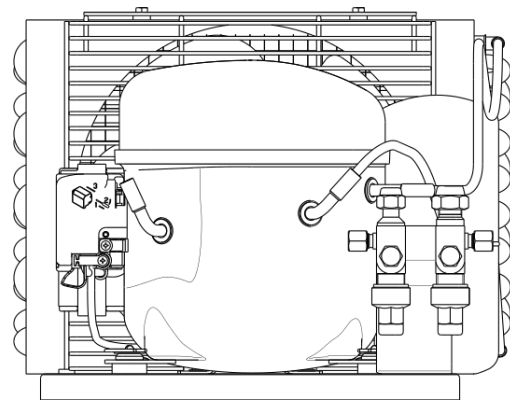
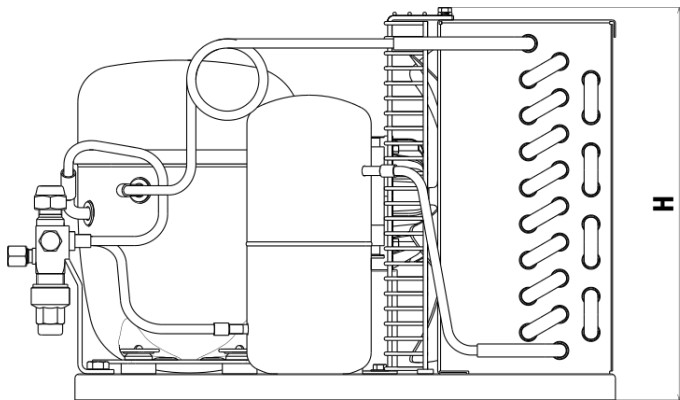
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VERSIONS

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