

Condensing Unit

Technical Data Sheet

Model CGL90TG_N
Voltage 200-220/220-230V 50/60Hz ~1
Refrigerant R134a

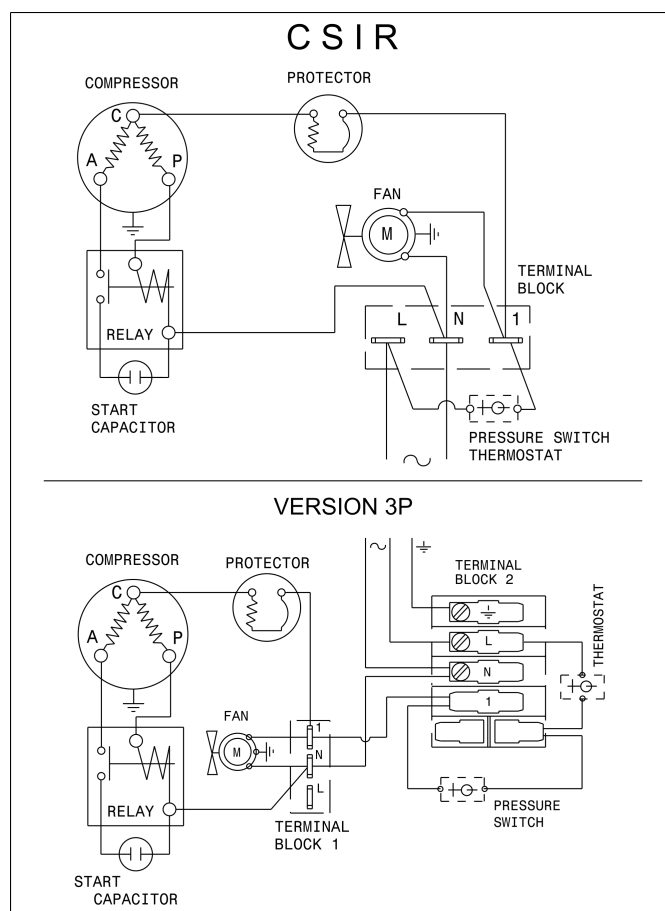
APPLICATION		COMPRESSOR	MOTOR
Application	High-Medium Back Pressure	Displacement 8,85 cm ³	Nominal Power 1/4 hp
Refrigerant	R134a	Diameter 25,40 mm	Voltage/Frequency 220-230V 60Hz
Evaporating Temp.	-25,0 °C to 10,0 °C	Stroke 17,47 mm	Voltage range 198-253 V
Expansion	Capillar/Valve	Oil type ISO VG 32 ESTER	Type CSIR
Comp. Cooling	Fan cooled	Oil charge 300 cm ³	Phase number 1 PH
Max. ambient temp.	43,0 °C		Locked Rotor Amps (LRA) 13,50 A
			Max. Cont. Current (MCC) 4,00 A
			Main W. resist. at 25°C 7,80 Ω
			Start W. resist. at 25°C 20,90 Ω

NOMINAL PERFORMANCE	ASHRAE
Cooling Capacity	963 W
COP	2,04 W/W
EER	1,75 kCal/Wh
Input Power	472 W
Current	1,99 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	230 V 60 Hz

CONDENSER AND FAN DATA	
Condenser type	CU-AL
Condenser model	8T 4R
Fan blade (Ø mm / °)	200 / 28
Fan motor	5W 200V 50/60Hz

WIRING DIAGRAM



REFRIGERATION CAPACITY (W)									
Evaporating Temperature (°C)									
Model	Motor	-25	-15	-5	5	7.2			10
						W	Winp	A	
CGL90TG_N	CSIR	231	401	623	896	963	472	1.99	1052

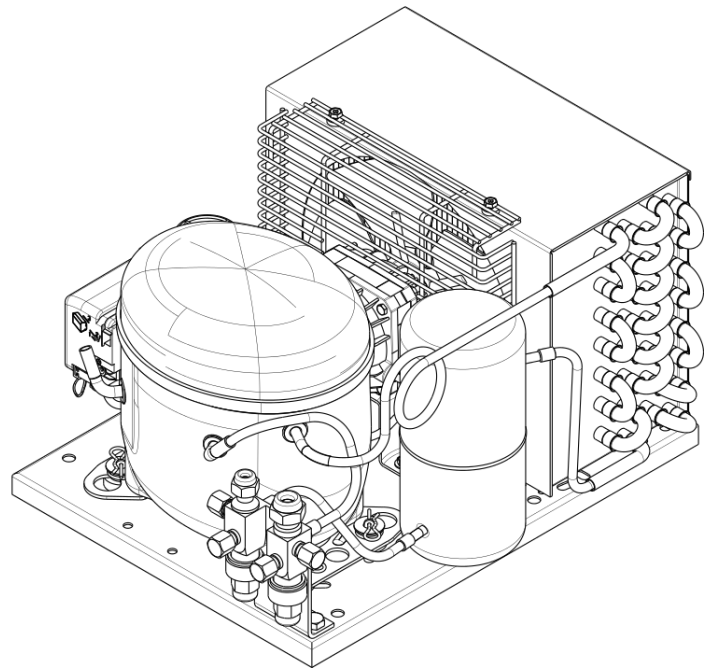
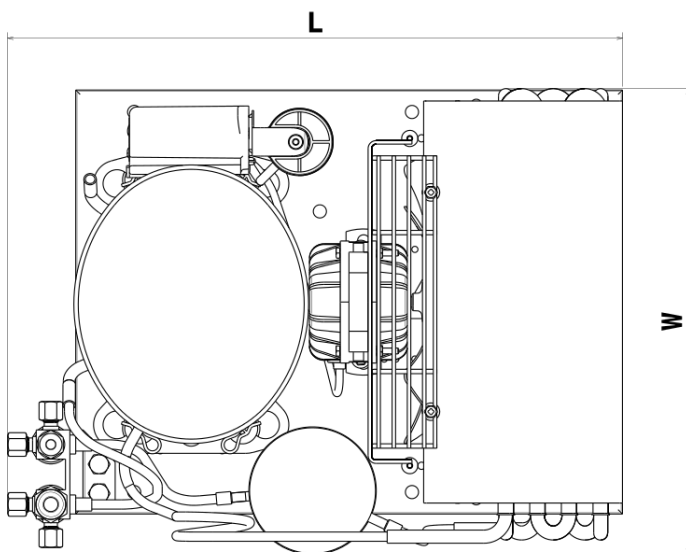
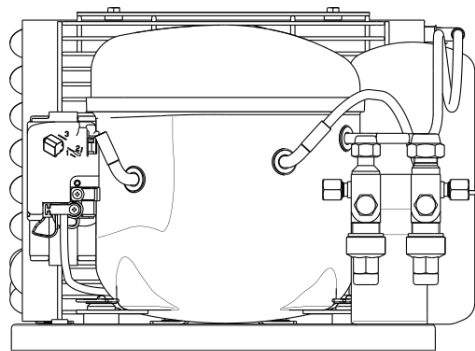
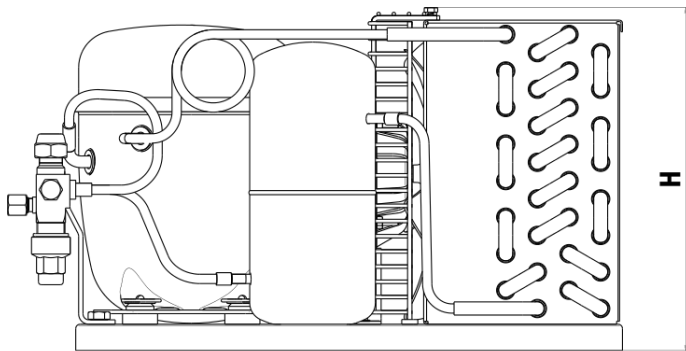
ASHRAE HMBP: Consending temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

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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.: 6,5 mm Discharge tube internal diam.: 4,9 mm Net Weight: 17,7 Kg	Suction valve: 3/8" Discharge valve: 1/4" Net Weight: 18,2 Kg	Receiver vol.: 0,9 l Suction valve: 3/8" Discharge valve: 1/4" Net Weight: 18,5 Kg	Receiver vol.: 0,9 l Suction valve: 3/8" Discharge valve: 1/4" Net Weight: 19,6 Kg	Suction tube internal diam.: 6,5 mm Discharge tube internal diam.: 4,9 mm Net Weight: 17,7 Kg

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
315x385x235	315x425x235	320x425x235	330x435x245