

Condensing Unit

Technical Data Sheet

Model CGE80TG_N
Voltage 220-240/230V 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 8,10 cm³
 Diameter 24,28 mm
 Stroke 17,50 mm
 Oil type ISO VG 22 ESTER
 Oil charge 220 cm³

MOTOR

Nominal Power 1/4 hp
 Voltage/Frequency 220-240V 50Hz
 Voltage range 187-264 V
 Type CSIR
 Phase number 1 PH
 Locked Rotor Amps (LRA) 14,70 A
 Max. Cont. Current (MCC) 0,00 A
 Main W. resist. at 25°C 9,60 Ω
 Start W. resist. at 25°C 24,50 Ω

NOMINAL PERFORMANCE

ASHRAE

Cooling Capacity	830 W
COP	2,04 W/W
EER	1,75 kCal/Wh
Input Power	407 W
Current	2,20 A

TEST CYCLE CONDITIONS

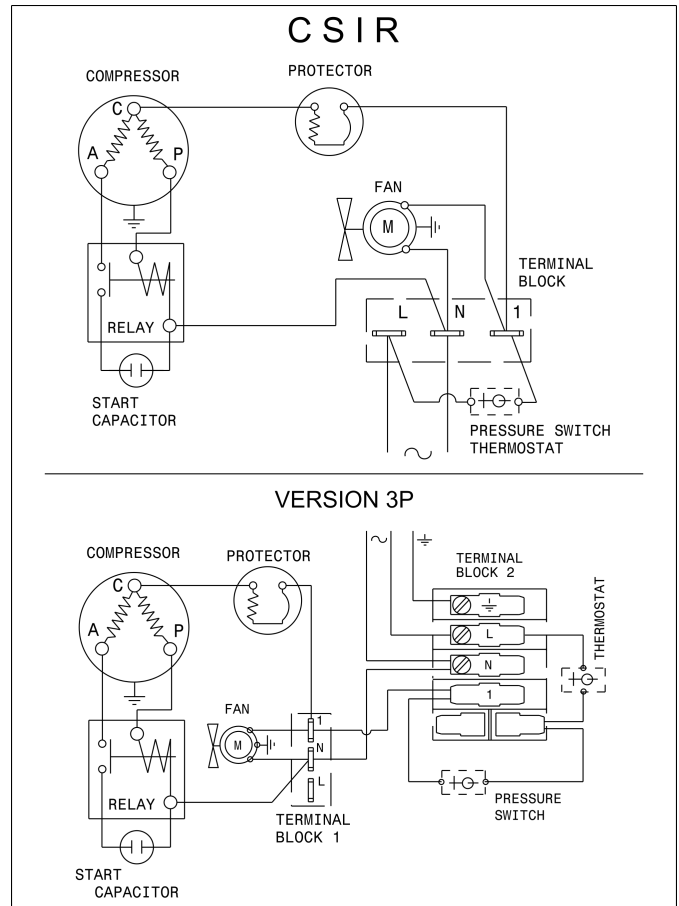
HBP

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	220 V 50 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	
CGE80TG_N	CSIR	-	313	482	756	830	407	2.2	933

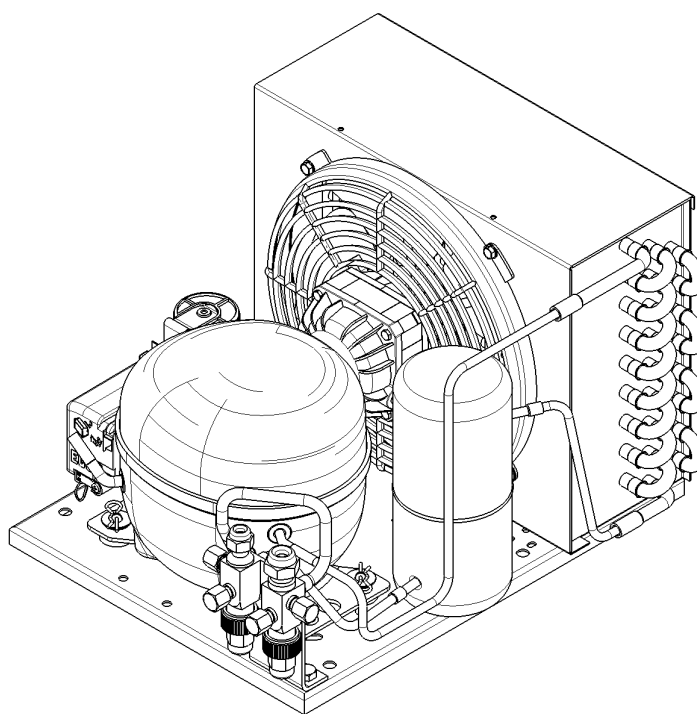
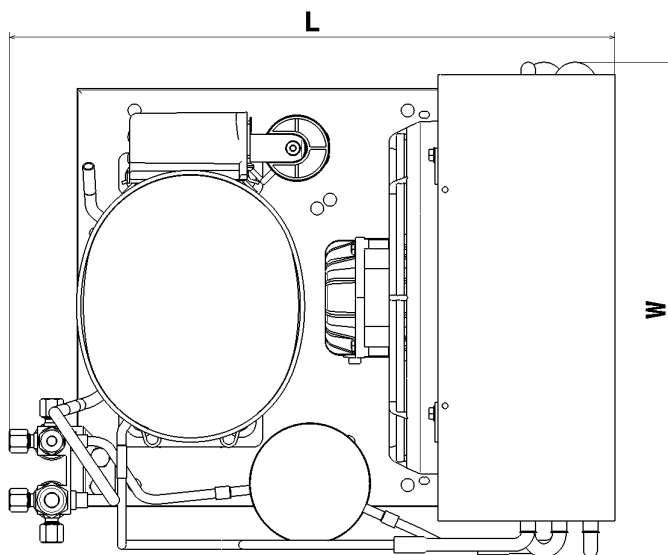
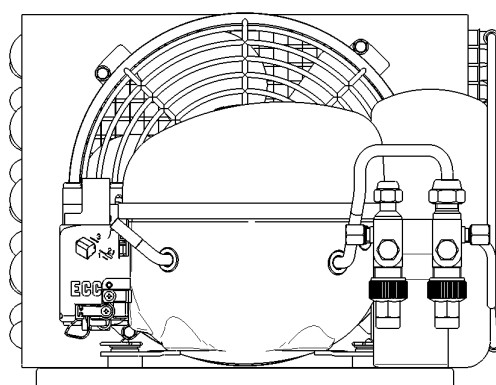
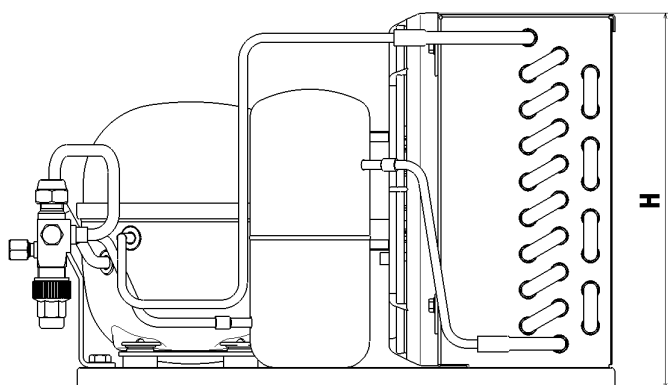
ASHRAE HBP: Condensing temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

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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.: 6,2 mm	Suction valve: 3/8"	Receiver vol.: 0,9 l	Receiver vol.: 0,9 l	Suction tube internal diam.: 6,2 mm
Discharge tube internal diam.: 4,9 mm	Discharge valve: 1/4"	Suction valve: 3/8"	Suction valve: 3/8"	Discharge tube internal diam.: 4,9 mm
Net Weight: 13,5 Kg	Net Weight: 14,0 Kg	Discharge valve: 1/4"	Discharge valve: 1/4"	Net Weight: 14,5 Kg
		Net Weight: 16,8 Kg	Net Weight: 17,9 Kg	

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
315x385x230	315x425x230	315x425x230	335x430x240