

Condensing Unit

Technical Data Sheet

Compressor model **CGX21TB_N**
Voltage **220-240V 50Hz ~1**
Refrigerant **R134a**

APPLICATION

Application High-Medium Back Pressure
Refrigerant R134a
Evaporating Temp. -25,0 °C to 10,0 °C
Expansion Capillar/Valve
Comp. Cooling Fan cooled
Max. ambient temp. 43,0 °C

COMPRESSOR

Displacement 20,72 cm³
Diameter 34,93 mm
Stroke 21,62 mm
Oil type ISO VG 32 ESTER
Oil charge 500 cm³

MOTOR

Nominal Power 5/8 hp
Voltage/Frequency 220-240V 50Hz
Voltage range 187-255 V
Type CSIR
Phase number 1 PH
Locked Rotor Amps (LRA) 26,00 A
Max. Cont. Current (MCC) 7,70 A
Main W. resist. at 25°C 3,04 Ω
Start W. resist. at 25°C 22,50 Ω

NOMINAL PERFORMANCE

ASHRAE

Cooling Capacity	1.838 W
COP	1,98 W/W
EER	1,71 kCal/Wh
Input Power	926 W
Current	5,02 A

TEST CYCLE CONDITIONS

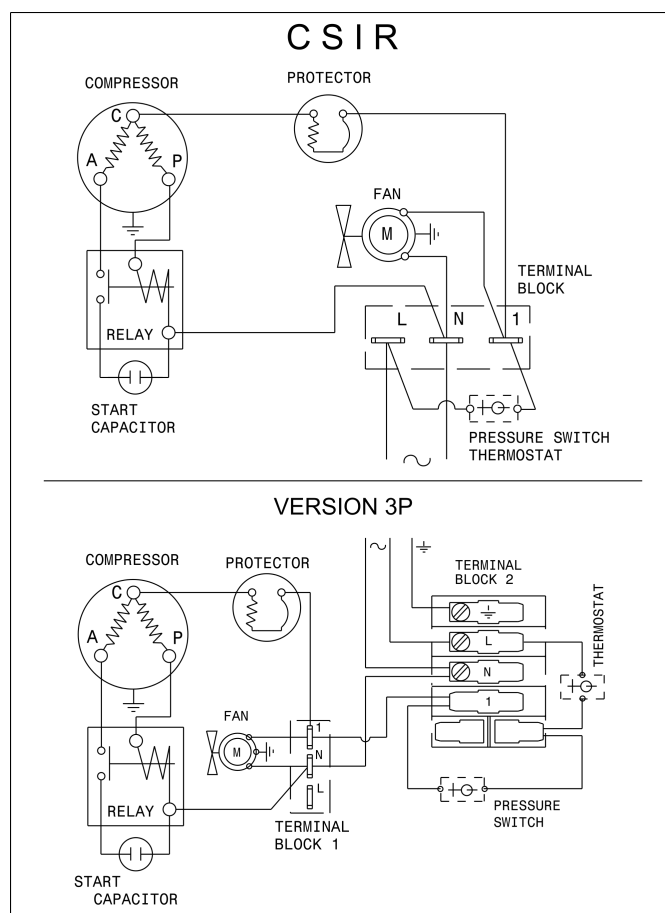
HMBP

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	12T 3R
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	
CGX21TB_N	CSIR	450	759	1178	1707	1838	926	5.02	2012

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

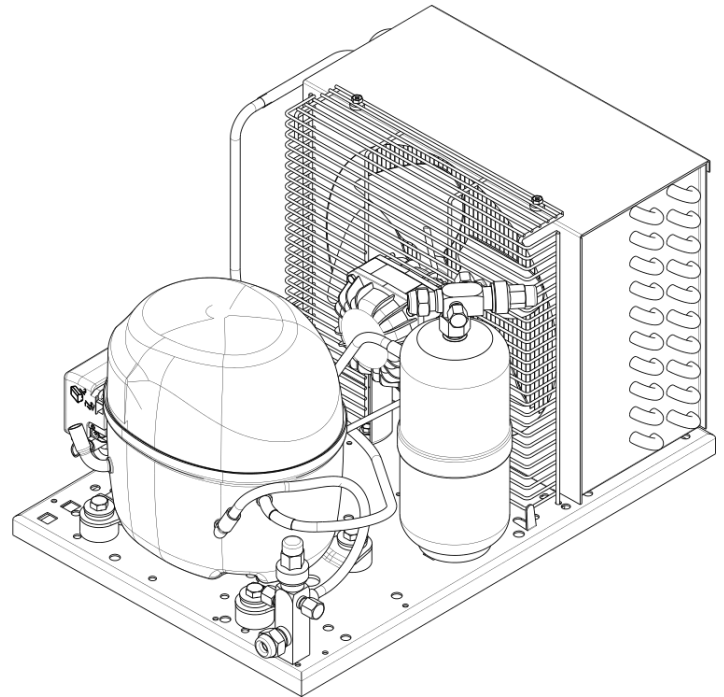
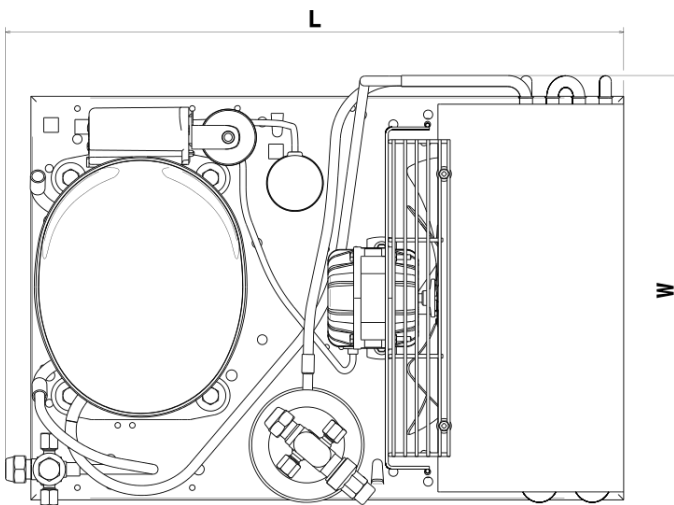
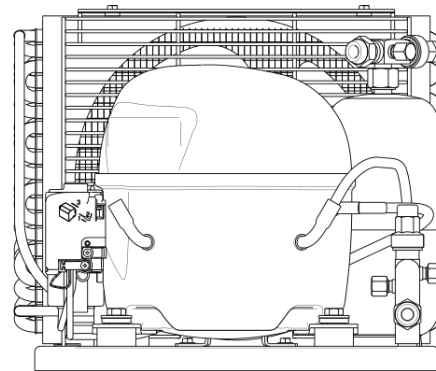
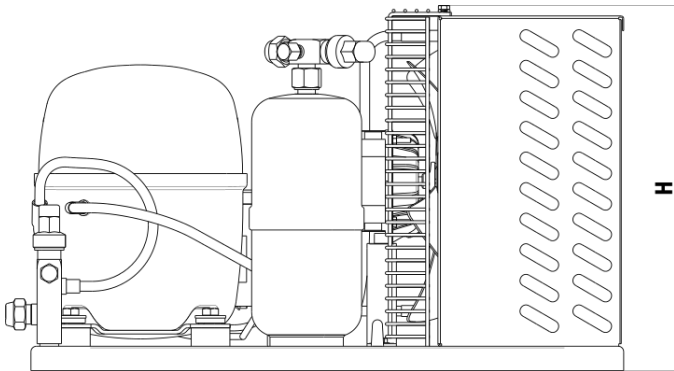
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VERSIONS

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.: 9,7 mm Discharge tube internal diam.: 6,5 mm Net Weight: 30,8 Kg	Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 31,2 Kg	Receiver vol.: 1,1 l Suction valve: 3/8" □□□: 3/8" Net Weight: 33,0 Kg	Receiver vol.: 1,1 l Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 34,1 Kg	Suction tube internal diam.: 9,7 mm Discharge tube internal diam.: 6,5 mm Net Weight: 30,8 Kg

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
430x505x355	430x525x355	430x525x355	430x525x355