

Condensing Unit

Technical Data Sheet

Compressor model **CMP14FB_N**
Voltage **220-240V 50Hz ~1**
Refrigerant **R404A**
Compressor status

APPLICATION

Application Low Back Pressure
Refrigerant R404A
Evaporating Temp. -40,0 °C to -10,0 °C
Expansion Capillar/Valve
Comp. Cooling Fan cooled
Max. ambient temp. 43,0 °C

COMPRESSOR

Displacement 14,17 cm³
Diameter 31,19 mm
Stroke 18,54 mm
Oil type ISO VG 32 ESTER
Oil charge 400 cm³
HP 1/2 hp

MOTOR

Voltage/Frequency 220-240V 50Hz
Voltage range 187-264 V
Type CSIR
Phase number 1 PH
Locked Rotor Amps (LRA) 17,50 A
Max. Cont. Current (MCC) 5,00 A
Main W. resist. at 25°C 4,86 Ω
Start W. resist. at 25°C 17,03 Ω

NOMINAL PERFORMANCE

Cooling Capacity	628 W
COP	1,06 W/W
EER	0,92 kCal/Wh
Input Power	590 W
Current	3,60 A

ASHRAE

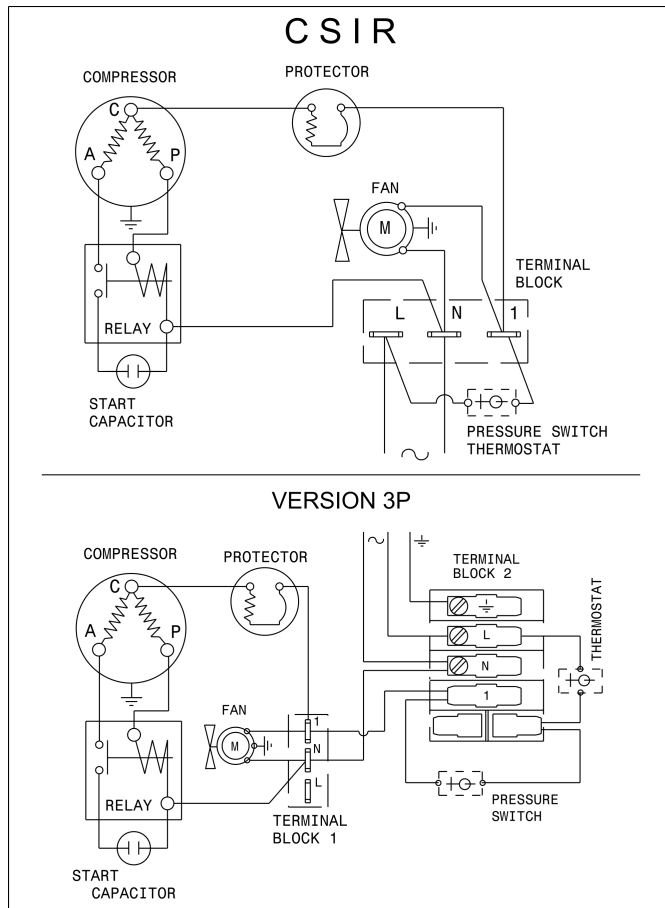
TEST CYCLE CONDITIONS

	LBP
Evaporating temp. (T _e)	-23,3 °C
Condensing temp. (T _c)	55,0 °C
Liquid temp. (T _{liq.})	32,0 °C
Ambient temp. (T _{amb.})	32,0 °C
Suction temp. (T _{suction})	32,0 °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 230V 50/60Hz

WIRING DIAGRAM



REFRIGERATION CAPACITY (W)

Evaporating Temperature (°C)

Model	Motor	-40	-35	-30	-25	-23.3			-10
						W	Winp	A	
CMP14FB_N	CSIR	163	273	409	569	628	590	3.6	1192

ASHRAE LBP: Condensing temperature: 55°C, Liquid temperature: 32°C, Suction temperature: 32°C, Ambient temperature: 32°C

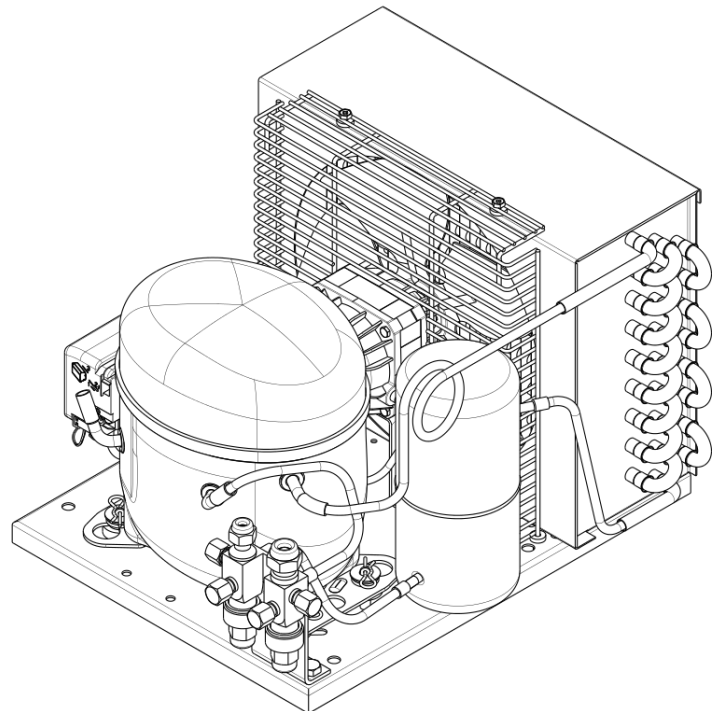
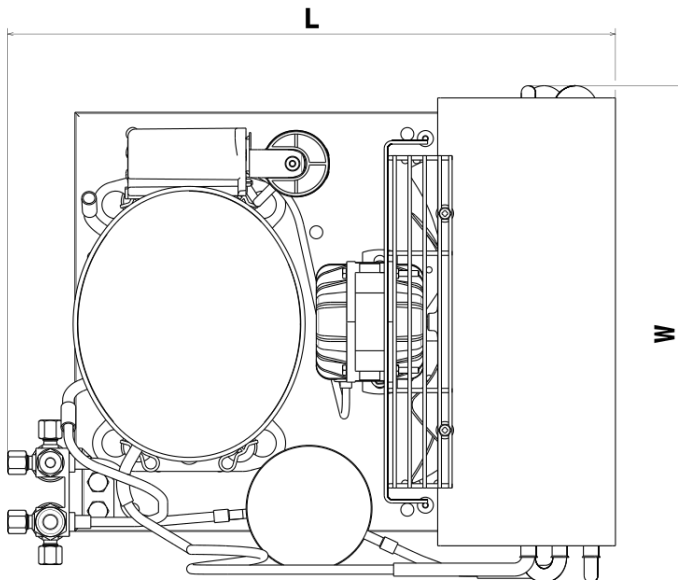
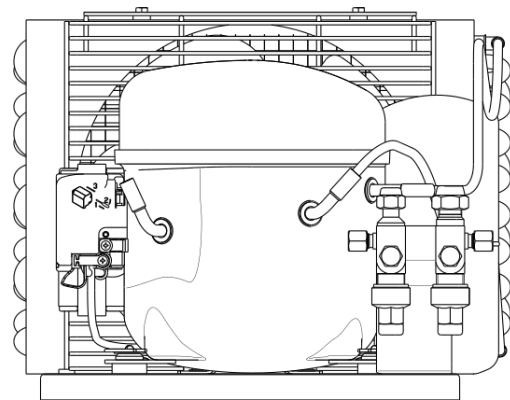
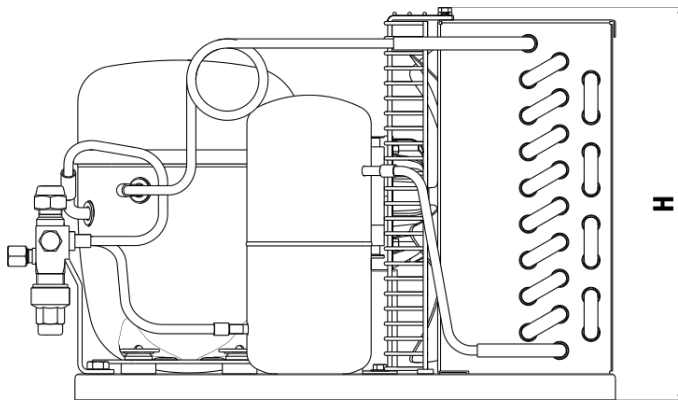
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VERSIONS

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.: 0,9 l	Receiver vol.: 0,9 l	Suction tube internal diam.: 8,1 mm
Discharge tube internal diam.: 6,5 mm	Discharge valve: 1/4"	Suction valve: 3/8"	Suction valve: 3/8"	Discharge tube internal diam.: 6,5 mm
Net Weight: 21,5 Kg	Net Weight: 22,0 Kg	□□□: 1/4"	Discharge valve: 1/4"	Net Weight: 21,5 Kg
		Net Weight: 22,3 Kg	Net Weight: 23,4 Kg	

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
305x385x235	315x425x235	320x425x235	330x435x245