

Condensing Unit

Technical Data Sheet

Compressor model **CMX21FBa_N**
Voltage **220-240V 50Hz ~1**
Refrigerant **R404A**
Compressor status

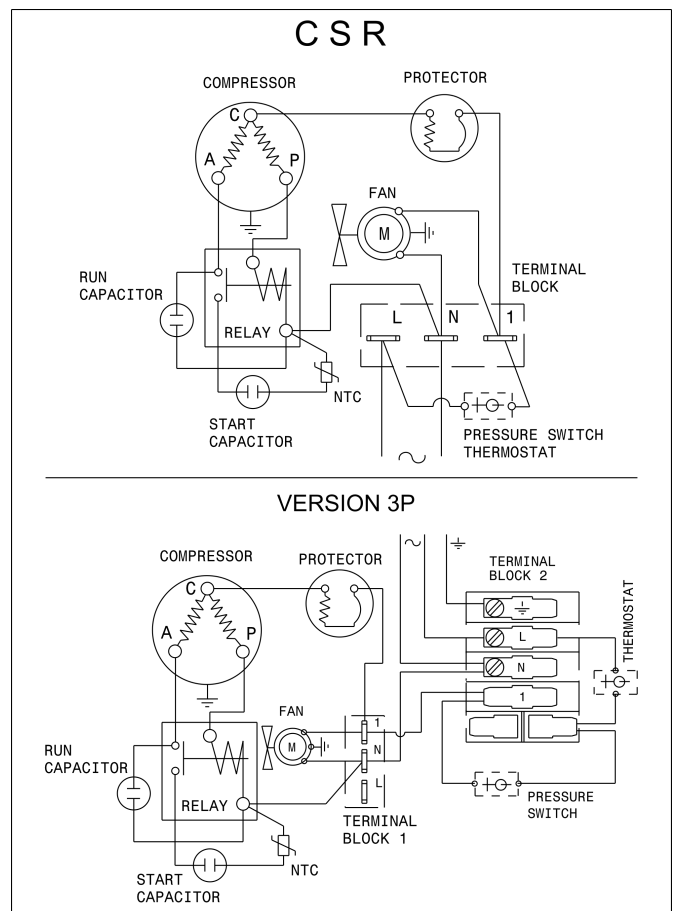
APPLICATION		COMPRESSOR	MOTOR
Application	Low Back Pressure	Displacement 20,72 cm³	Voltage/Frequency 220-240V 50Hz
Refrigerant	R404A	Diameter 34,93 mm	Voltage range 187-255 V
Evaporating Temp.	-40,0 °C to -10,0 °C	Stroke 21,62 mm	Type CSR
Expansion	Capillar/Valve	Oil type ISO VG 32 ESTER	Phase number 1 PH
Comp. Cooling	Fan cooled	Oil charge 650 cm³	Locked Rotor Amps (LRA) 24,00 A
Max. ambient temp.	43,0 °C	HP 3/4 hp	Max. Cont. Current (MCC) 6,50 A
			Main W. resist. at 25°C 3,04 Ω
			Start W. resist. at 25°C 7,10 Ω

NOMINAL PERFORMANCE	ASHRAE
Cooling Capacity	936 W
COP	1,20 W/W
EER	1,03 kCal/Wh
Input Power	780 W
Current	3,50 A

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	12T 3R
Fan blade (Ø mm / °)	300 / 25
Fan motor	25W 220-240V 50/60Hz

WIRING DIAGRAM



REFRIGERATION CAPACITY (W)									
Evaporating Temperature (°C)									
Model	Motor	-40	-35	-30	-25	-23.3			-10
						W	Winp	A	
CMX21FBa_N	CSR	285	404	623	850	936	780	3.5	1762

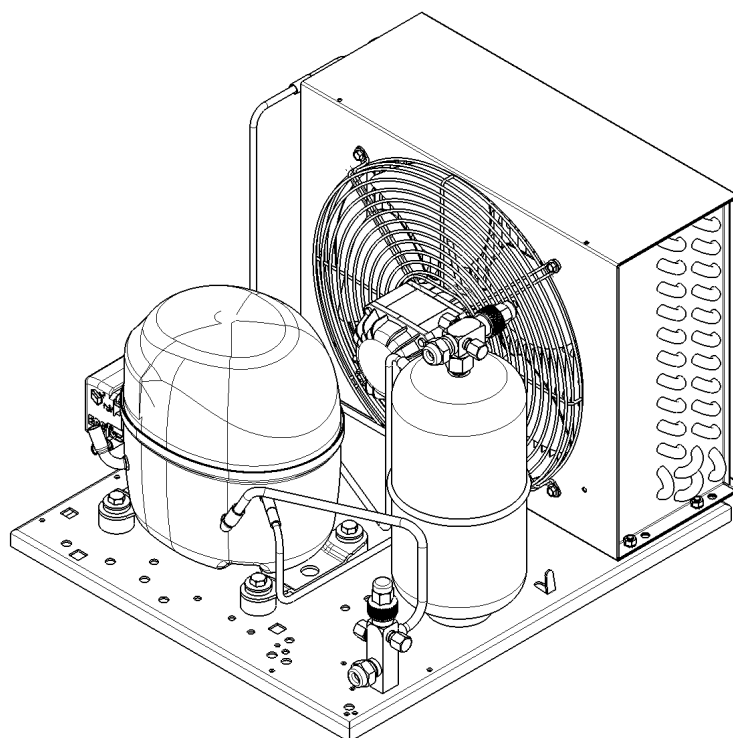
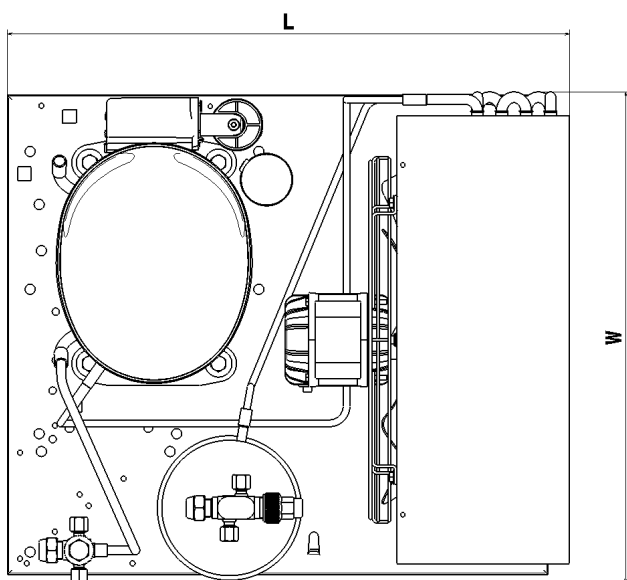
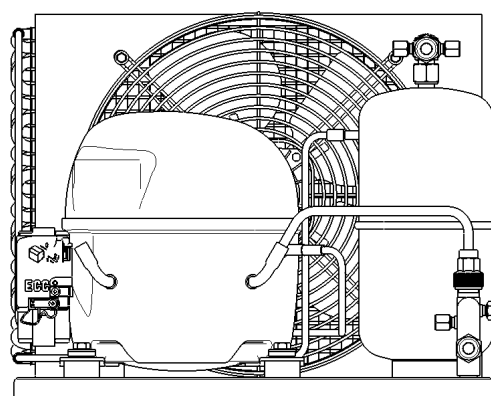
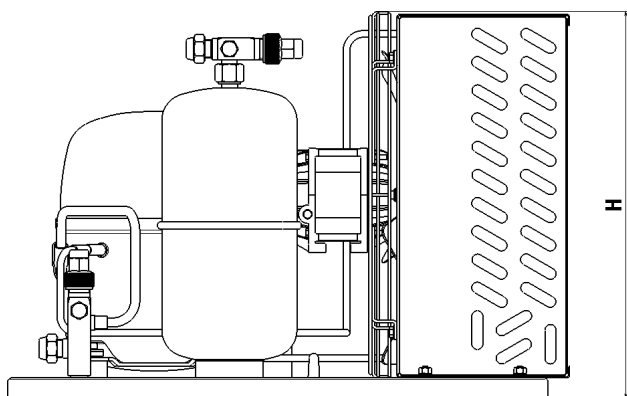
ASHRAE LBP: Condensing temperature: 55°C, Liquid temperature: 32°C, Suction temperature: 32°C, Ambient temperature: 32°C

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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.: 9,7 mm Discharge tube internal diam.: 6,5 mm Net Weight: 31,3 Kg	Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 31,2 Kg	Receiver vol.: 1,2 l Suction valve: 3/8" □□□: 3/8" Net Weight: 33,0 Kg	Receiver vol.: 1,2 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)
435x460x342	435x480x342	435x480x342	435x500x342