

Condensing Unit

Technical Data Sheet

Model CMX21TGa_N
Voltage 200-220/220-230V 50/60Hz ~1
Refrigerant R404A

APPLICATION

Application High-Medium Back Pressure
 Refrigerant R404A
 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 650 cm³

MOTOR

Nominal Power 1 hp
 Voltage/Frequency 220-230V 60Hz
 Voltage range 196-253 V
 Type CSR
 Phase number 1 PH
 Locked Rotor Amps (LRA) 39,50 A
 Max. Cont. Current (MCC) 11,00 A
 Main W. resist. at 25°C 1,90 Ω
 Start W. resist. at 25°C 6,25 Ω

NOMINAL PERFORMANCE

ASHRAE

Cooling Capacity	3.088 W
COP	1,90 W/W
EER	1,63 kCal/Wh
Input Power	1.626 W
Current	6,50 A

TEST CYCLE CONDITIONS

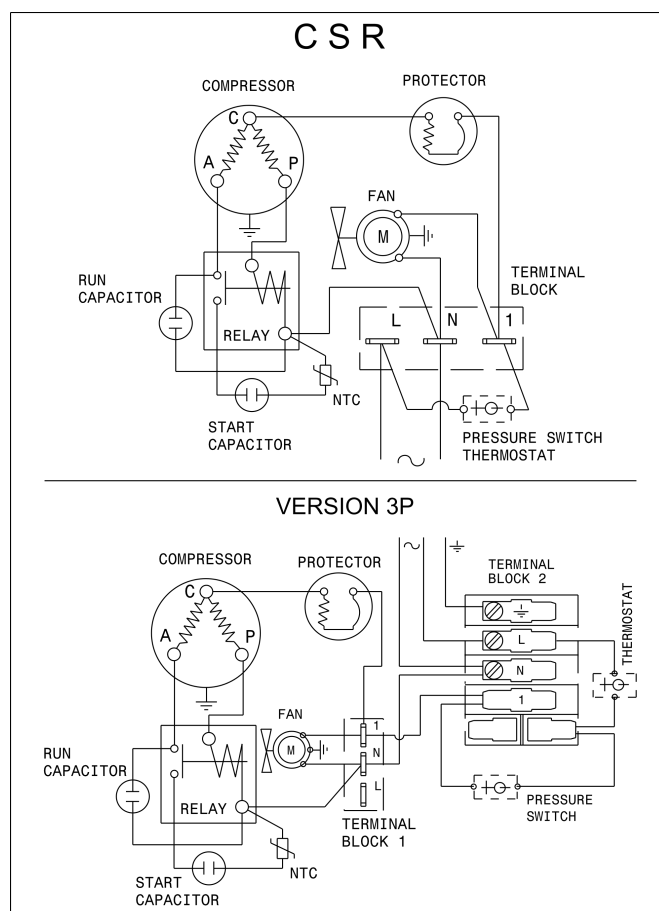
HMBP

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	14T 3R
Fan blade (Ø mm / °)	300 / 27
Fan motor	85W 230V 50/60Hz

WIRING DIAGRAM



REFRIGERATION CAPACITY (W)

Evaporating Temperature (°C)

Model	Motor	-25	-15	-5	5	7.2			10
						W	Winp	A	
CMX21TGa_N	CSR	984	1465	2101	2892	3088	1626	6.5	3346

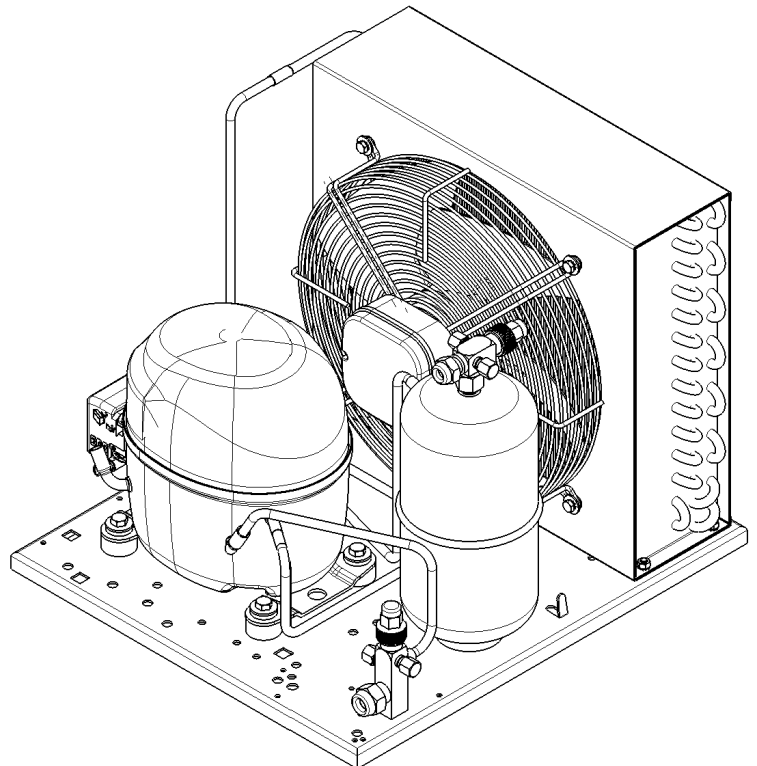
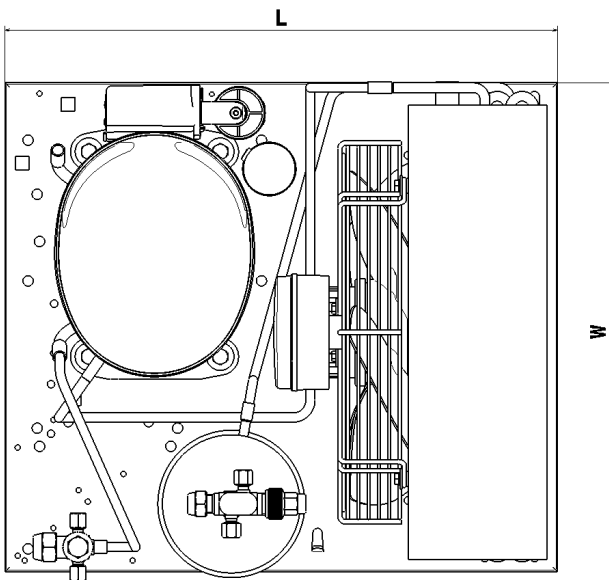
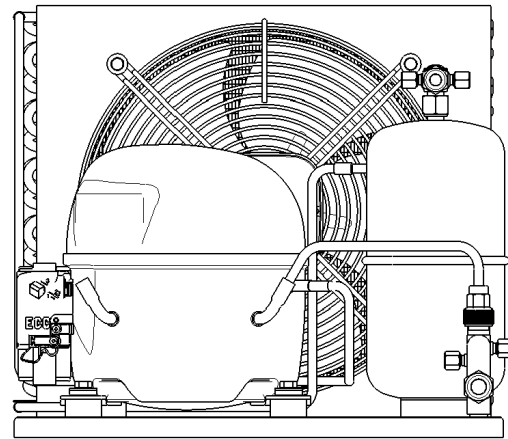
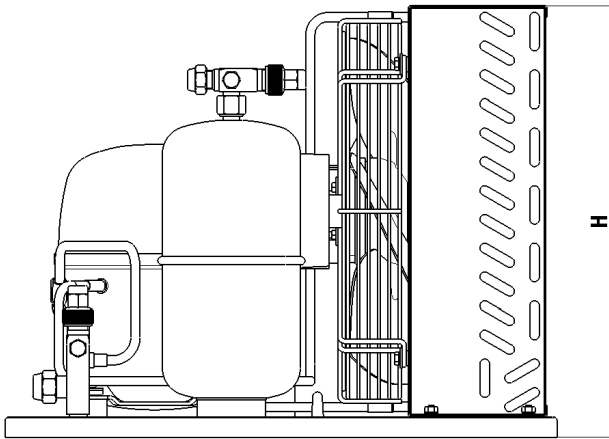
ASHRAE HMBP: Consending temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

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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.: 9,7 mm	Suction valve: 1/2"	Receiver vol.: 2,4 l	Receiver vol.: 2,4 l	Suction tube internal diam.: 9,7 mm
Discharge tube internal diam.: 6,5 mm	Discharge valve: 3/8"	Suction valve: 1/2"	Suction valve: 1/2"	Discharge tube internal diam.: 6,5 mm
Net Weight: 33,8 Kg	Net Weight: 34,8 Kg	Discharge valve: 3/8"	Discharge valve: 3/8"	Net Weight: 33,8 Kg
		Net Weight: 36,3 Kg	Net Weight: 37,4 Kg	

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
430x480x374	435x480x374	435x480x374	435x505x374