

Condensing Unit

Technical Data Sheet

Model CMX23FGa_N
Voltage 200-220/220-230V 50/60Hz ~1
Refrigerant R404A

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 23,20 cm³
 Diameter 34,93 mm
 Stroke 24,20 mm
 Oil type ISO VG 32 ESTER
 Oil charge 650 cm³

MOTOR

Nominal Power 7/8 hp
 Voltage/Frequency 220-230V 60Hz
 Voltage range 198-253 V
 Type CSR
 Phase number 1 PH
 Locked Rotor Amps (LRA) 32,00 A
 Max. Cont. Current (MCC) 7,20 A
 Main W. resist. at 25°C 2,27 Ω
 Start W. resist. at 25°C 6,49 Ω

NOMINAL PERFORMANCE

ASHRAE

Cooling Capacity	1.402 W
COP	1,34 W/W
EER	1,15 kCal/Wh
Input Power	1.049 W
Current	4,12 A

TEST CYCLE CONDITIONS

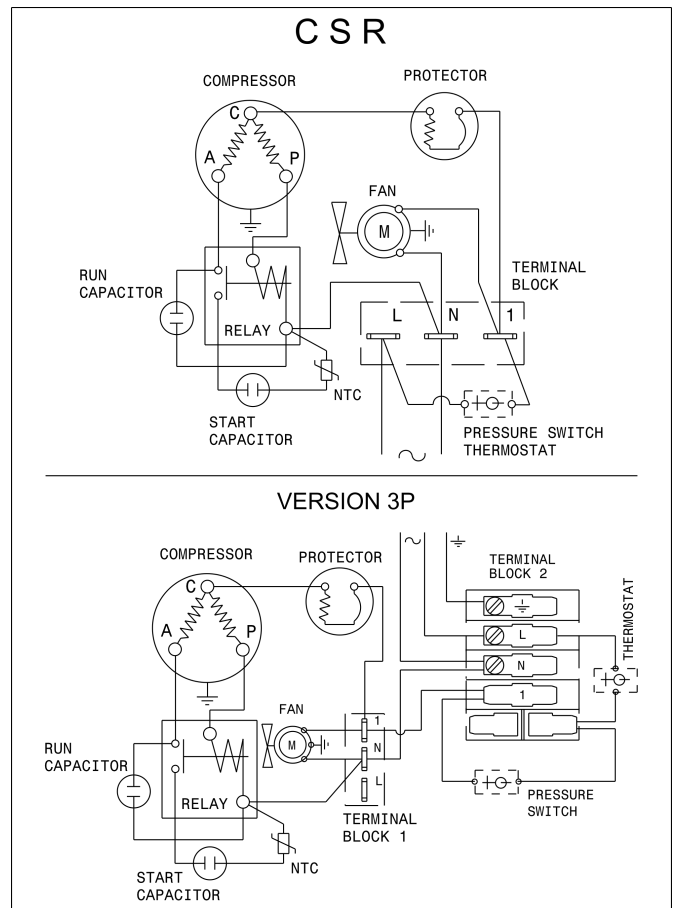
LBP

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	230 V 60 Hz

CONDENSER AND FAN DATA

Condenser type	CU-AL
Condenser model	12T 3R
Fan blade (Ø mm / °)	300 / 19
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	
CMX23FGa_N	CSR	774	880	1129	1306	1402	1049	4.12	2030

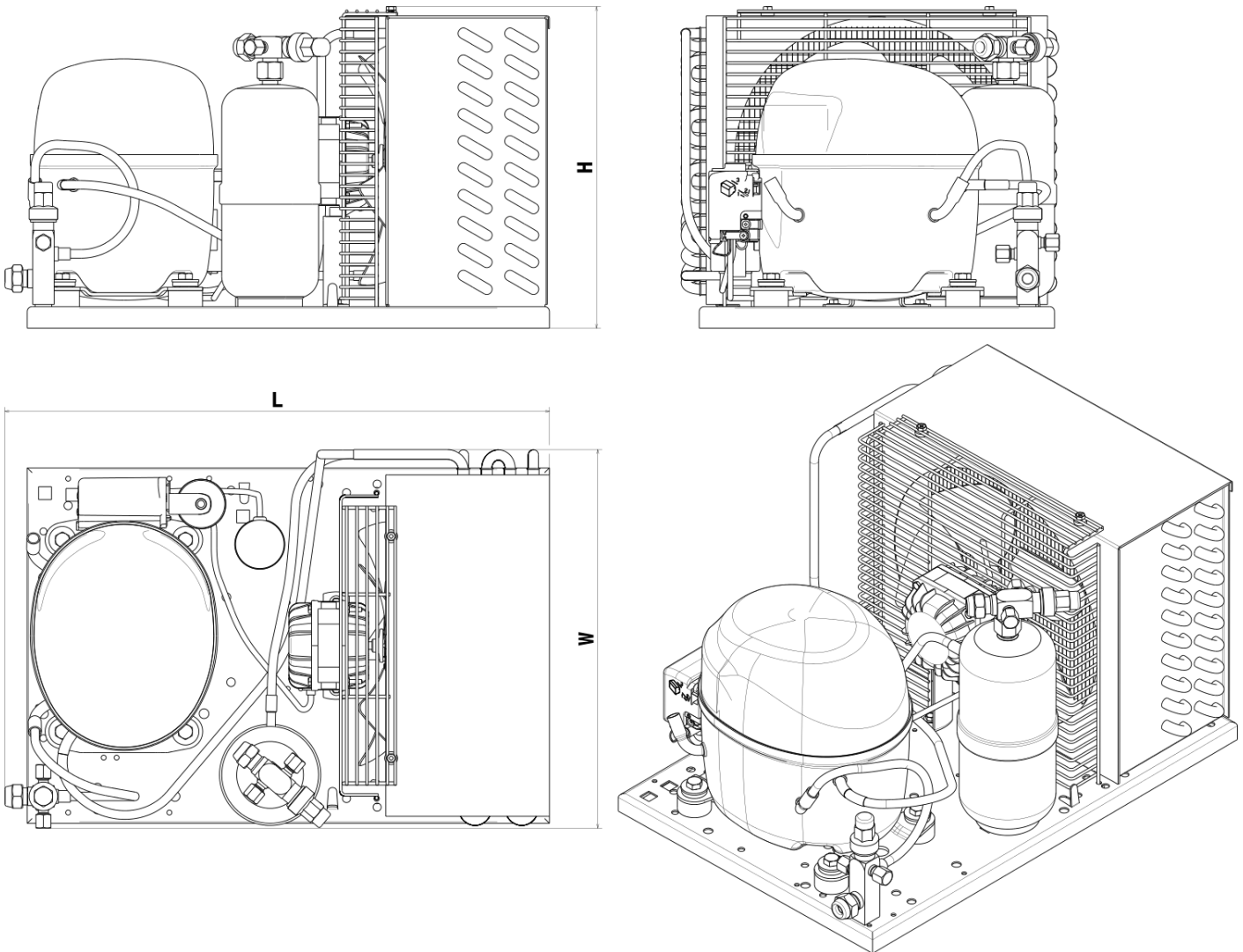
ASHRAE LBP: Condensing temperature: 55°C, Liquid temperature: 32°C, Suction temperature: 32°C, Ambient temperature: 32°C

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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: 27,8 Kg	Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 28,7 Kg	Receiver vol.: 2,4 l Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 30,1 Kg	Receiver vol.: 2,4 l Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 31,4 Kg	Suction tube internal diam.: 9,7 mm Discharge tube internal diam.: 6,5 mm Net Weight: 27,8 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	435x530x355