

Condensing Unit Technical Data Sheet

Model CMX18TGa_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 18,40 cm³
 Diameter 34,93 mm
 Stroke 19,20 mm
 Oil type ISO VG 46 ESTER
 Oil charge 500 cm³

MOTOR

Nominal Power 7/8 hp
 Voltage/Frequency 200-220V 50Hz
 Voltage range 180-242 V
 Type CSR
 Phase number 1 PH
 Locked Rotor Amps (LRA) 31,50 A
 Max. Cont. Current (MCC) 10,50 A
 Main W. resist. at 25°C 2,34 Ω
 Start W. resist. at 25°C 7,22 Ω

NOMINAL PERFORMANCE

Cooling Capacity	2.228 W
COP	1,62 W/W
EER	1,39 kCal/Wh
Input Power	1.375 W
Current	6,01 A

ASHRAE

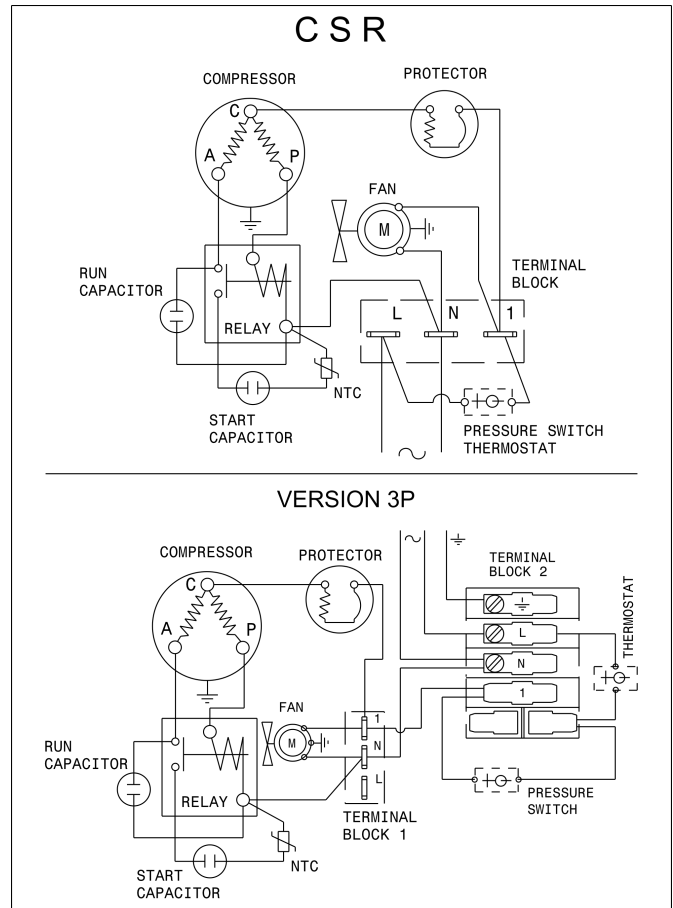
TEST CYCLE CONDITIONS

	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	16T 4R
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	
CMX18TGa_N	CSR	727	1206	1650	4192	2228	1375	6.01	2367

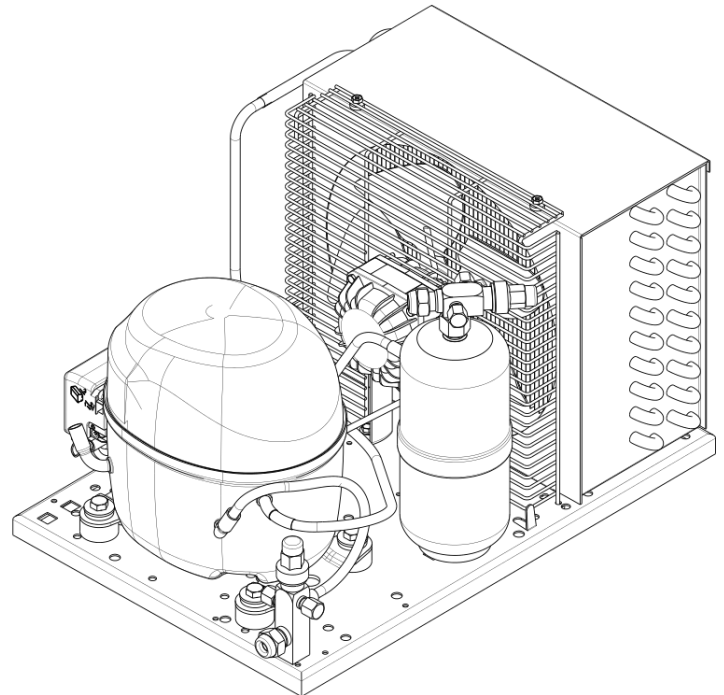
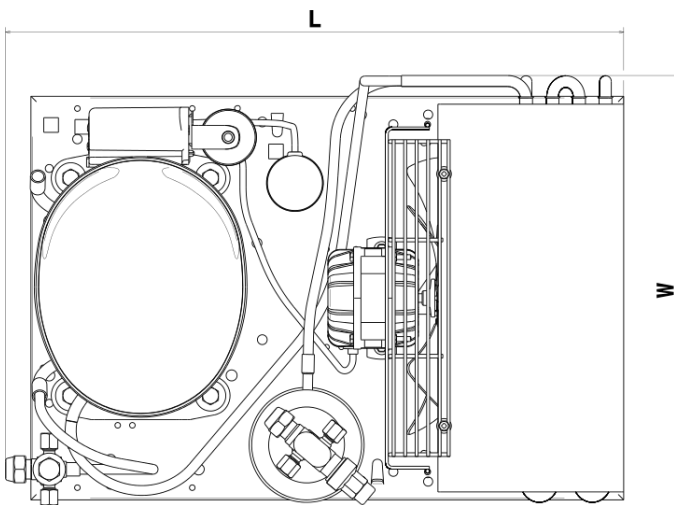
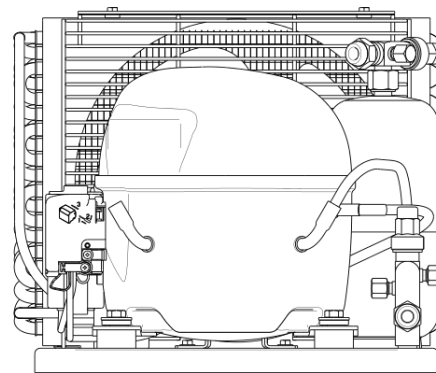
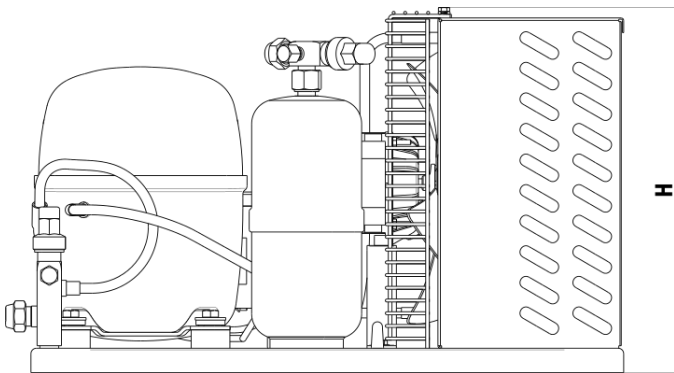
ASHRAE HMBP: Condensing temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

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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.: 4,9 mm Net Weight: 33,4 Kg	Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 30,9 Kg	Receiver vol.: 2,4 l Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 35,7 Kg	Receiver vol.: 2,4 l Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 36,8 Kg	Suction tube internal diam.: 9,7 mm Discharge tube internal diam.: 4,9 mm Net Weight: 33,4 Kg

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
460x495x445	460x520x445	460x520x445	460x520x445