

# Condensing Unit

## Technical Data Sheet

**Model** CML60TG\_N  
**Voltage** 200-220/230V 50/60Hz ~1  
**Refrigerant** R404A

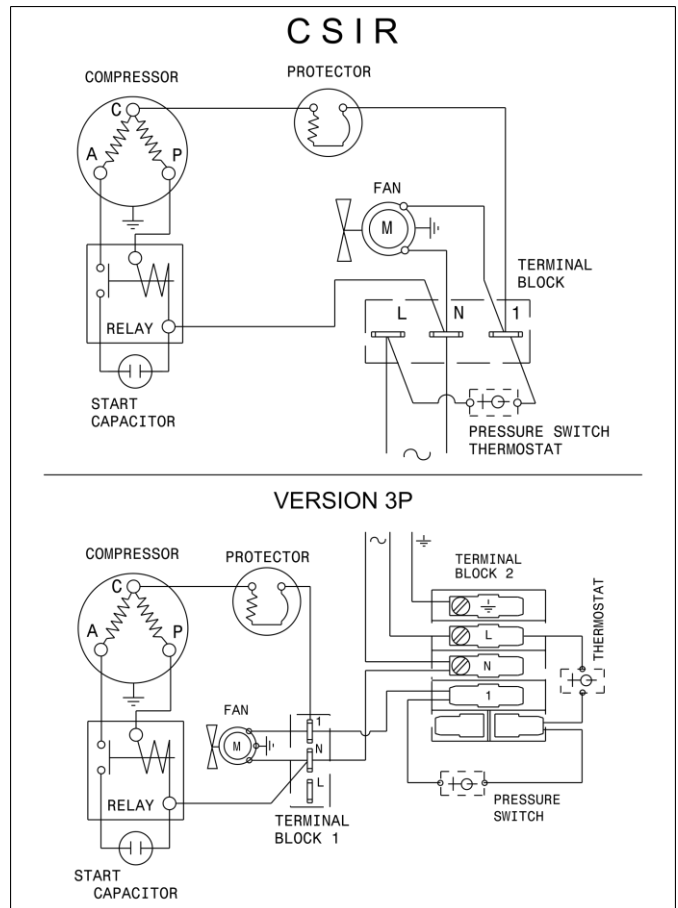
APPLICATION		COMPRESSOR	MOTOR
Application	High-Medium Back Pressure	Displacement 5,68 cm <sup>3</sup>	Nominal Power 1/4 hp
Refrigerant	R404A	Diameter 22,00 mm	Voltage/Frequency 200-220V 50Hz
Evaporating Temp.	-25,0 °C to 10,0 °C	Stroke 14,92 mm	Voltage range 170-242 V
Expansion	Capillar/Valve	Oil type ISO VG 32 ESTER	Type CSIR
Comp. Cooling	Fan cooled	Oil charge 295 cm <sup>3</sup>	Phase number 1 PH
Max. ambient temp.	43,0 °C		Locked Rotor Amps (LRA) 12,00 A
			Max. Cont. Current (MCC) 5,10 A
			Main W. resist. at 25°C 6,50 Ω
			Start W. resist. at 25°C 33,20 Ω

NOMINAL PERFORMANCE	ASHRAE
Cooling Capacity	824 W
COP	1,72 W/W
EER	1,48 kCal/Wh
Input Power	479 W
Current	1,99 A

TEST CYCLE CONDITIONS	HMBP
Evaporating temp. (T <sub>e</sub> )	7,2 °C
Condensing temp. (T <sub>c</sub> )	55,0 °C
Liquid temp. (T <sub>liq.</sub> )	46,0 °C
Ambient temp. (T <sub>amb.</sub> )	35,0 °C
Suction temp. (T <sub>suction</sub> )	35,0 °C
Voltage/Frequency	200 V 50 Hz

CONDENSER AND FAN DATA	
Condenser type	CU-AL
Condenser model	9T 3R
Fan blade (Ø mm / °)	230 / 28
Fan motor	5W 230V 50/60Hz

### WIRING DIAGRAM



REFRIGERATION CAPACITY (W)									
Evaporating Temperature (°C)									
Model	Motor	-25	-15	-5	5	7.2			10
						W	Winp	A	
CML60TG_N	CSIR	266	409	579	777	824	479	1.99	886

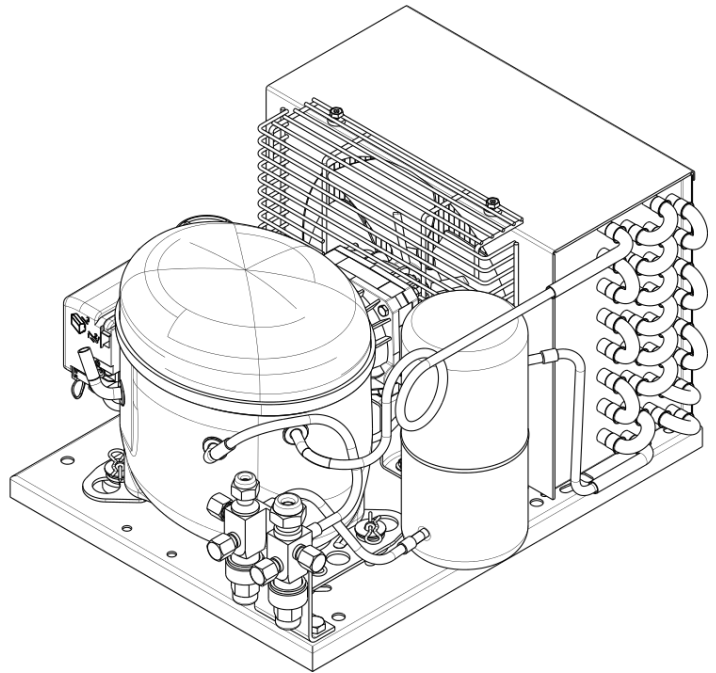
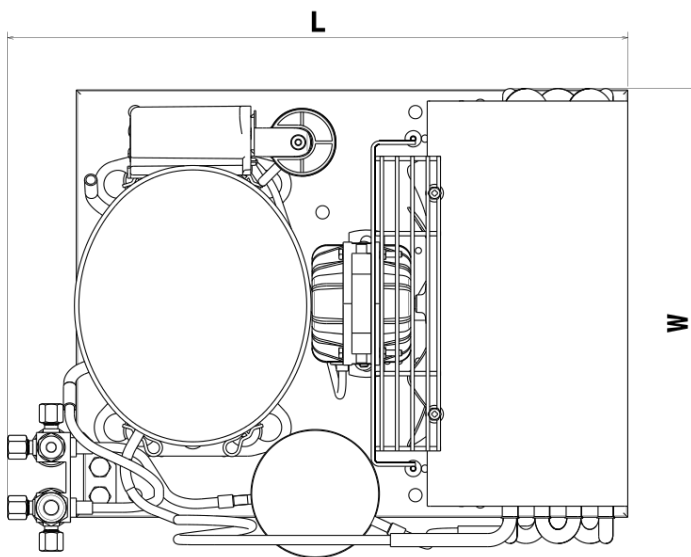
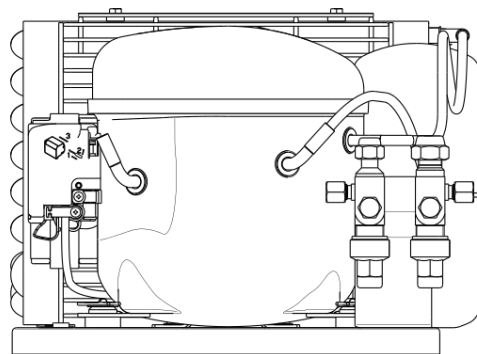
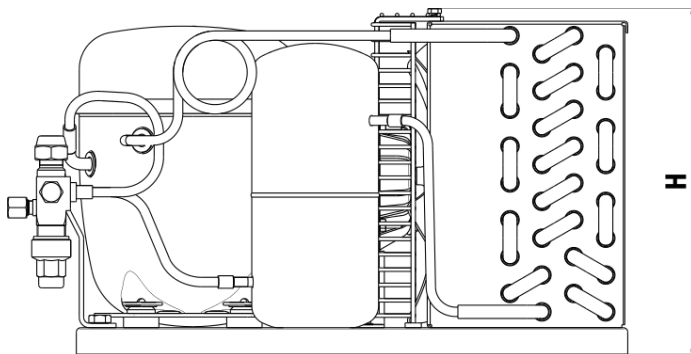
ASHRAE HMBP: Condensing temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

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## VERSIONS

VERSION 1	VERSION 2	VERSION 3	VERSION 3P	VERSION 4
<b>Tube</b>	<b>Service valve</b>	<b>Service valve and receiver</b>	<b>Service valve, receiver, pressure switch</b>	<b>Schrader valve on the service port</b>
Suction tube internal diam.: 6,5 mm Discharge tube internal diam.: 4,9 mm Net Weight: 21,7 Kg	Suction valve: 3/8" Discharge valve: 1/4" Net Weight: 22,2 Kg	Receiver vol.: 0,9 l Suction valve: 3/8" Discharge valve: 1/4" Net Weight: 22,5 Kg	Receiver vol.: 0,9 l Suction valve: 3/8" Discharge valve: 1/4" Net Weight: 23,6 Kg	Suction tube internal diam.: 6,5 mm Discharge tube internal diam.: 4,9 mm Net Weight: 21,7 Kg

## DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
345x385x275	345x425x275	345x425x275	350x435x275