

Condensing Unit Technical Data Sheet

Model CMPT12RG_N
Voltage 220-240V 50Hz ~1
Refrigerant R404A

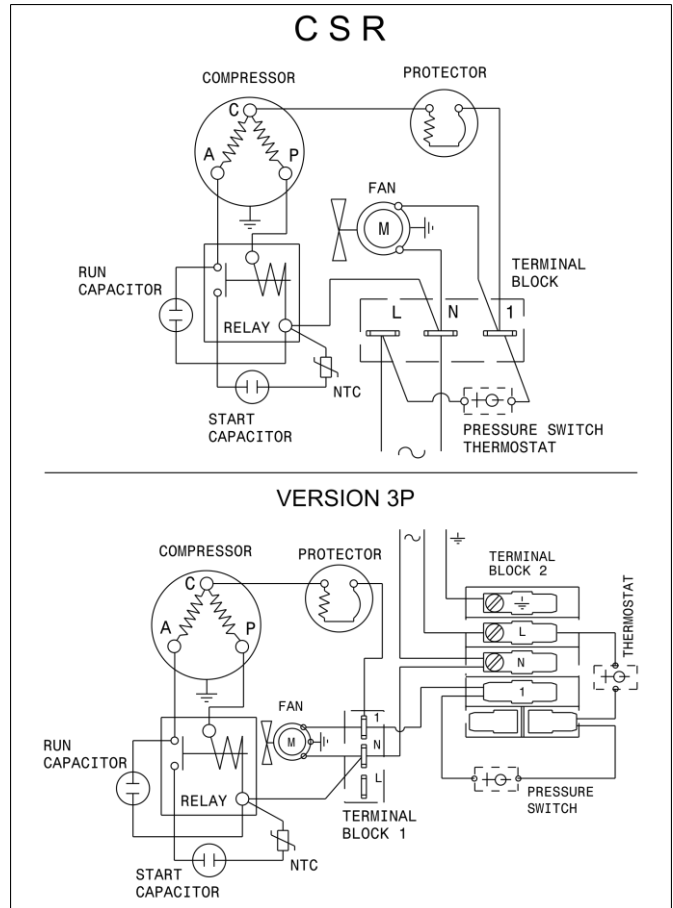
APPLICATION		COMPRESSOR	MOTOR
Application	High-Medium Back Pressure	Displacement 12,10 cm ³	Nominal Power 3/8 hp
Refrigerant	R404A	Diameter 27,00 mm	Voltage/Frequency 200-220V 50Hz
Evaporating Temp.	-25,0 °C to 10,0 °C	Stroke 21,13 mm	Voltage range 170-242 V
Expansion	Capillar/Valve	Oil type ISO VG 32 ESTER	Type CSR
Comp. Cooling	Fan cooled	Oil charge 400 cm ³	Phase number 1 PH
Max. ambient temp.	43,0 °C		Locked Rotor Amps (LRA) 22,50 A
			Max. Cont. Current (MCC) 6,80 A
			Main W. resist. at 25°C 2,87 Ω
			Start W. resist. at 25°C 7,59 Ω

NOMINAL PERFORMANCE	ASHRAE
Cooling Capacity	2.045 W
COP	2,55 W/W
EER	2,19 kCal/Wh
Input Power	803 W
Current	3,28 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	200 V 50 Hz

CONDENSER AND FAN DATA	
Condenser type	CU-AL
Condenser model	12T 4R
Fan blade (Ø mm / °)	300 / 25
Fan motor	25W 220-240V 50/60Hz

WIRING DIAGRAM



REFRIGERATION CAPACITY (W)									
Evaporating Temperature (°C)									
Model	Motor	-25	-15	-5	5	7.2			10
						W	Winp	A	
CMPT12RG_N	CSR	623	958	1386	1916	2045	803	3.28	2218

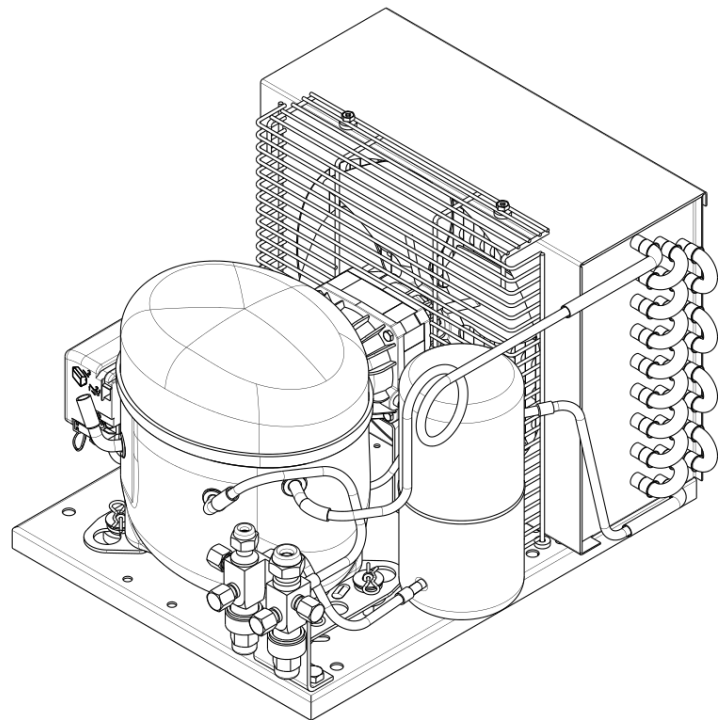
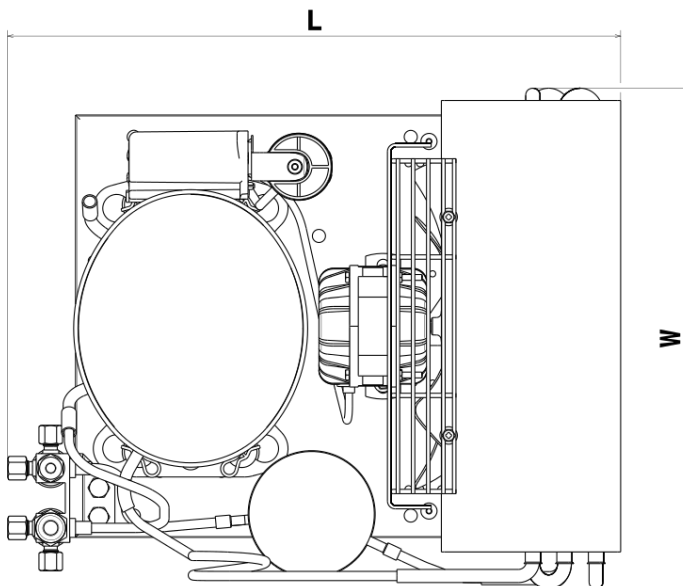
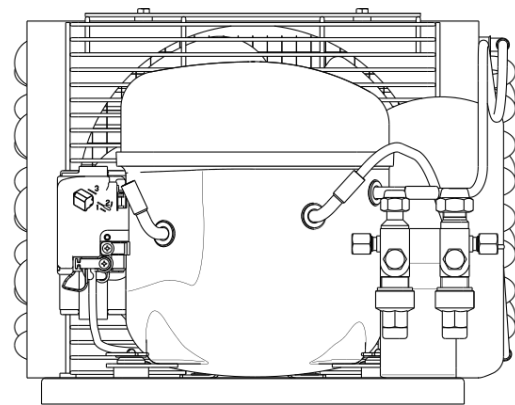
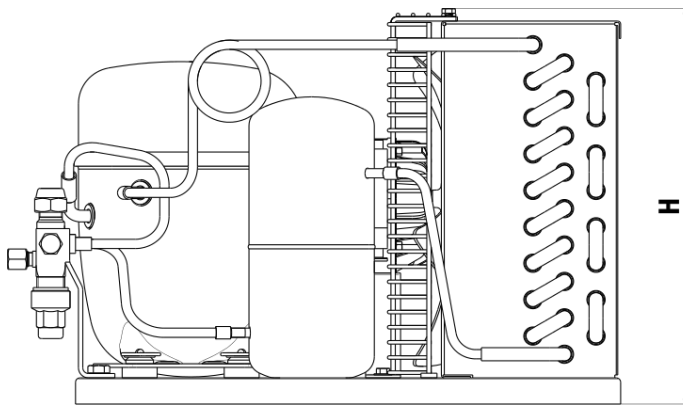
ASHRAE HMBP: Condensing temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

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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.: 8,1 mm Discharge tube internal diam.: 6,5 mm Net Weight: 27,2 Kg	Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 27,6 Kg	Receiver vol.: 2,4 l Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 28,9 Kg	Receiver vol.: 2,4 l Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 30,0 Kg	Suction tube internal diam.: 8,1 mm Discharge tube internal diam.: 6,5 mm Net Weight: 27,2 Kg

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
430x500x350	430x520x350	435x520x350	435x530x350