

Condensing Unit

Technical Data Sheet

Model CMPT12RG_N
Voltage 200-220/220-230V 50/60Hz ~1
Refrigerant R404A

APPLICATION

Application High Back Pressure
 Refrigerant R404A
 Evaporating Temp. -15,0 °C to 10,0 °C
 Expansion Capillar/Valve
 Comp. Cooling Fan cooled
 Max. ambient temp. 43,0 °C

COMPRESSOR

Displacement 12,10 cm³
 Diameter 27,00 mm
 Stroke 21,13 mm
 Oil type ISO VG 32 ESTER
 Oil charge 400 cm³

MOTOR

Nominal Power 3/8 hp
 Voltage/Frequency 220-230V 60Hz
 Voltage range 198-253 V
 Type CSR
 Phase number 1 PH
 Locked Rotor Amps (LRA) 22,50 A
 Max. Cont. Current (MCC) 6,60 A
 Main W. resist. at 25°C 2,87 Ω
 Start W. resist. at 25°C 7,59 Ω

NOMINAL PERFORMANCE

ASHRAE

Cooling Capacity	2.300 W
COP	2,95 W/W
EER	2,54 kCal/Wh
Input Power	779 W
Current	3,18 A

TEST CYCLE CONDITIONS

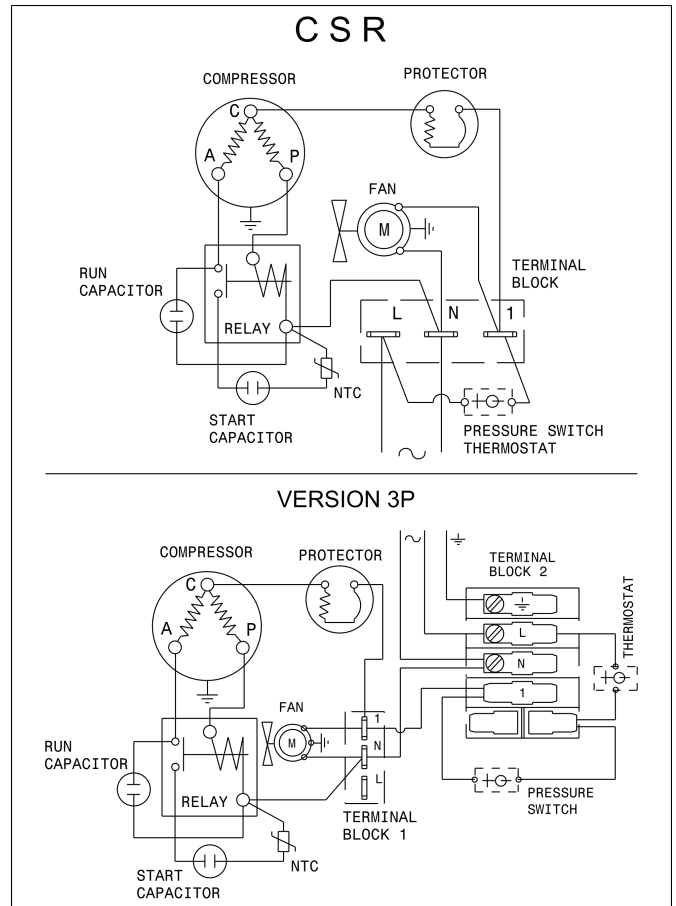
HBP

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	12T 3R
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	-	1187	1658	2179	2300	779	3.18	2458

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

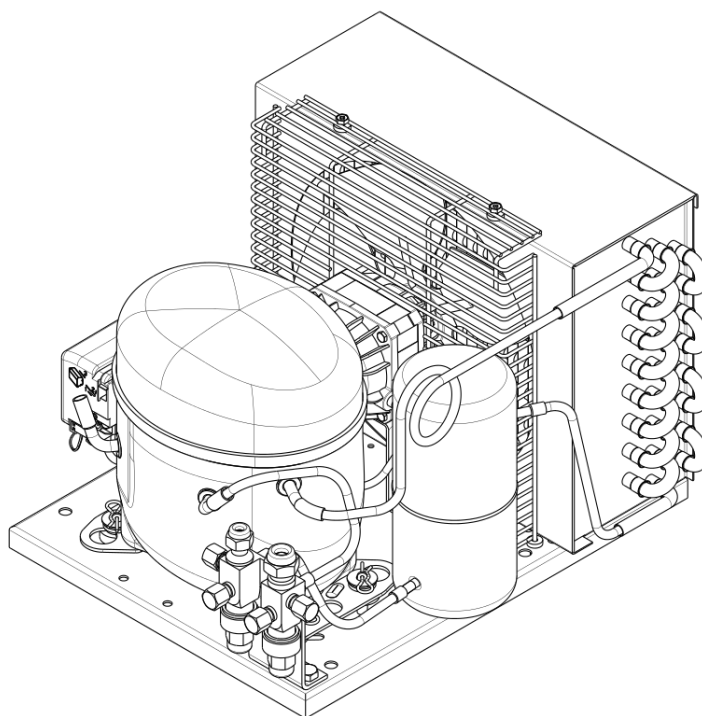
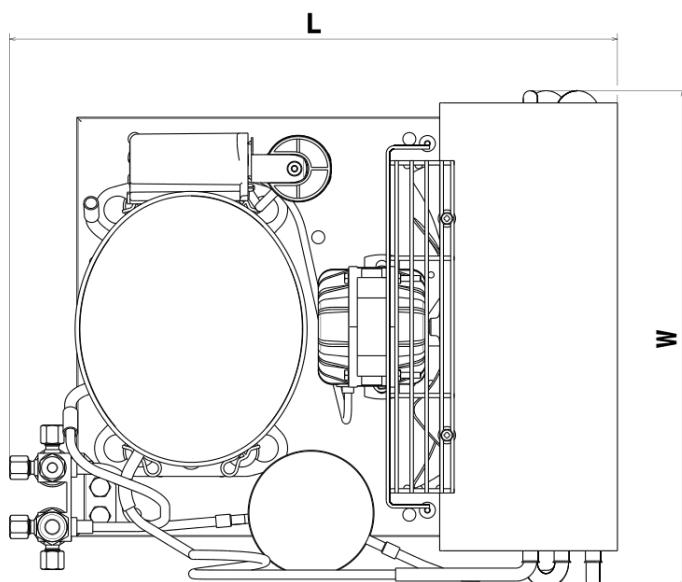
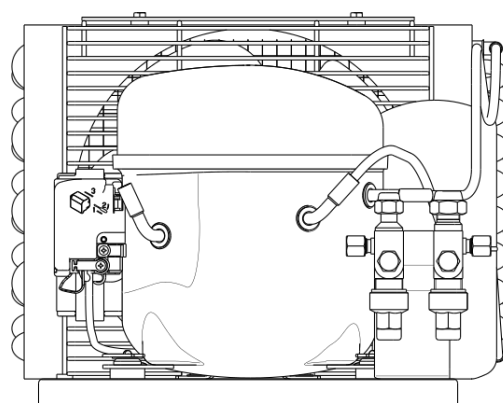
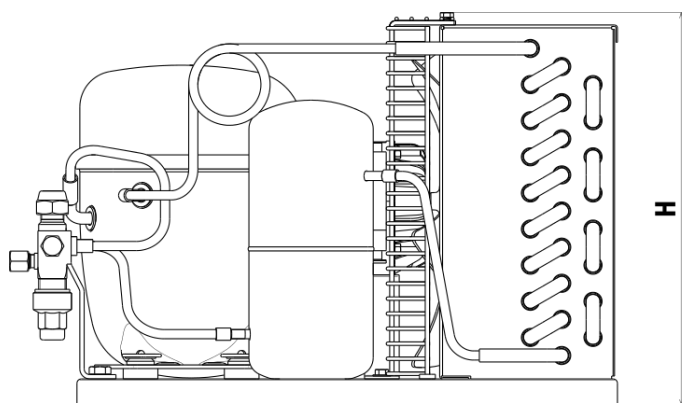
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VERSIONS

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