

Condensing Unit

Technical Data Sheet

Model CMPT14LF_N
Voltage 208-230V 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	14,32 cm³
Diameter	29,37 mm
Stroke	21,13 mm
Oil type	ISO VG 32 ESTER
Oil charge	400 cm³

MOTOR

Nominal Power	1/2 hp
Voltage/Frequency	208-230V 60Hz
Voltage range	177-253 V
Type	CSR
Phase number	1 PH
Locked Rotor Amps (LRA)	18,00 A
Max. Cont. Current (MCC)	5,00 A
Main W. resist. at 25°C	3,90 Ω
Start W. resist. at 25°C	7,50 Ω

NOMINAL PERFORMANCE

ASHRAE

Cooling Capacity	878 W
COP	1,35 W/W
EER	1,17 kCal/Wh
Input Power	648 W
Current	6,43 A

TEST CYCLE CONDITIONS

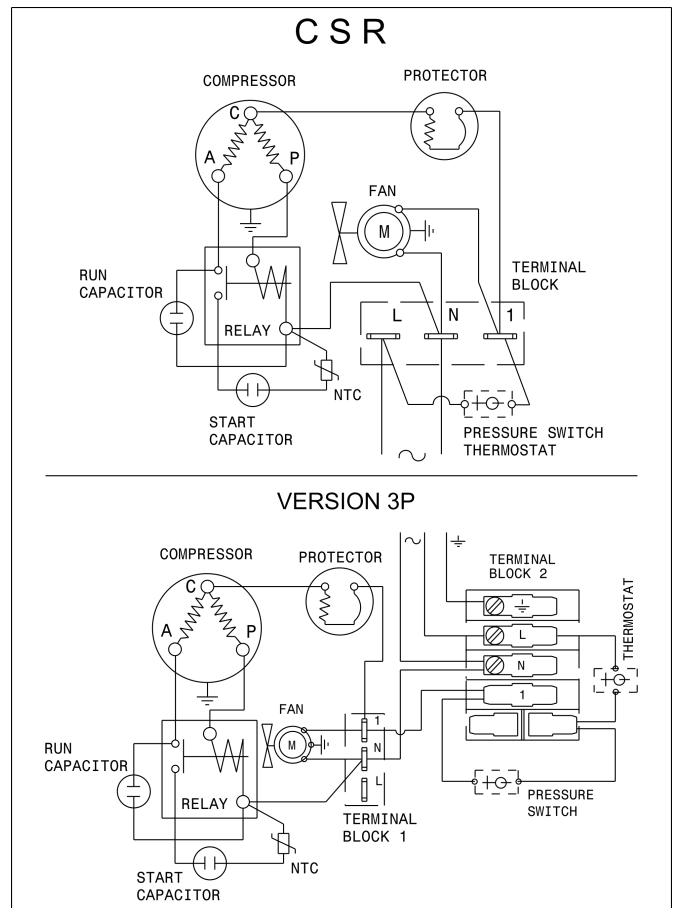
LBP

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	10T 4R
Fan blade (Ø mm / °)	230 / 28
Fan motor	10W 230V 50/60Hz

WIRING DIAGRAM



REFRIGERATION CAPACITY (W)

Evaporating Temperature (°C)

Model	Motor	-40	-35	-30	-25	-23.3			-10
						W	Winp	A	
CMPT14LF_N	CSR	408	415	650	1125	878	648	6.43	1593

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

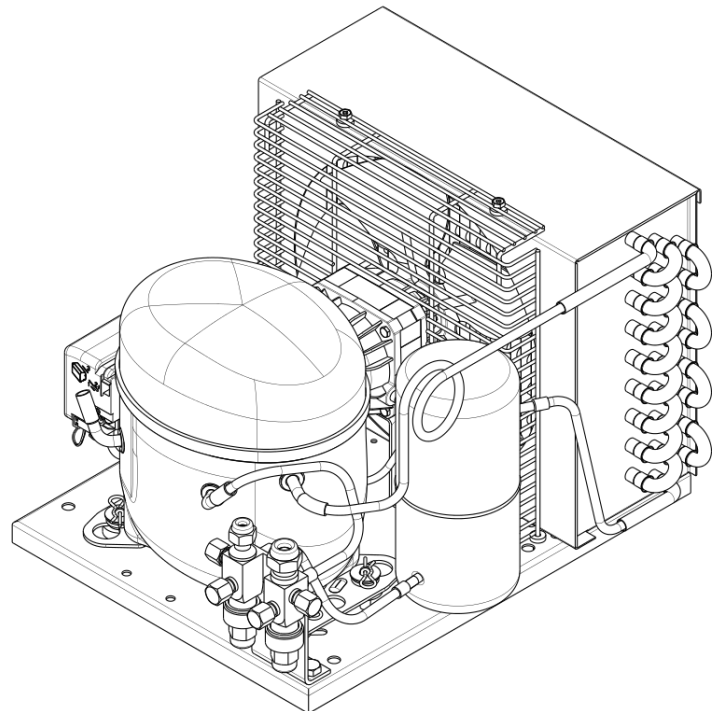
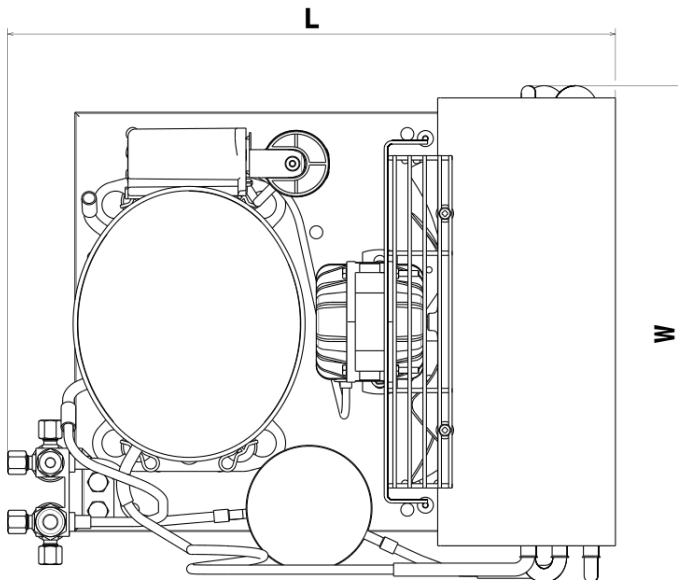
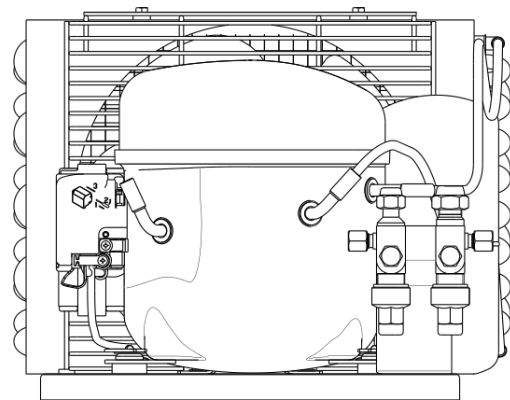
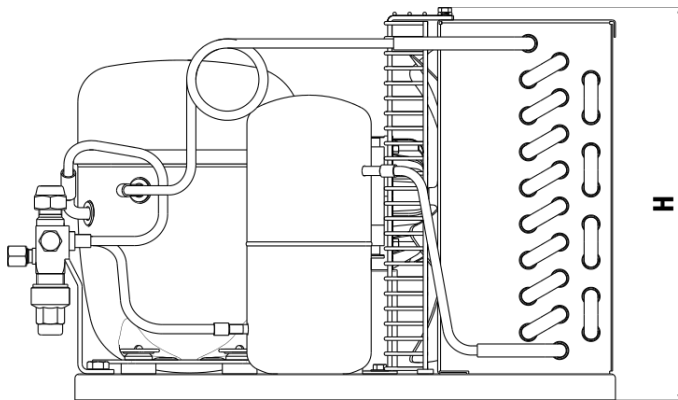
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VERSIONS

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.: 8,1 mm Discharge tube internal diam.: 6,5 mm Net Weight: 23,4 Kg	Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 23,9 Kg	Receiver vol.: 1,1 l Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 24,7 Kg	Receiver vol.: 1,1 l Suction valve: 3/8" Discharge valve: 3/8" Net Weight: 25,8 Kg	Suction tube internal diam.: 8,1 mm Discharge tube internal diam.: 6,5 mm Net Weight: 23,4 Kg

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
350x490x300	350x510x300	350x510x300	350x545x300