

Condensing Unit

Technical Data Sheet

Model CMS34TG_N
Voltage 200-220/230V 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 34,42 cm³
 Diameter 42,86 mm
 Stroke 23,85 mm
 Oil type ISO VG 46 ESTER
 Oil charge 887 cm³

MOTOR

Nominal Power 1 5/8 hp
 Voltage/Frequency 230V 60Hz
 Voltage range 196-253 V
 Type CSR
 Phase number 1 PH
 Locked Rotor Amps (LRA) 53,00 A
 Max. Cont. Current (MCC) 17,30 A
 Main W. resist. at 25°C 0,99 Ω
 Start W. resist. at 25°C 4,35 Ω

NOMINAL PERFORMANCE

ASHRAE

Cooling Capacity	5.602 W
COP	1,78 W/W
EER	1,53 kCal/Wh
Input Power	3.151 W
Current	12,07 A

TEST CYCLE CONDITIONS

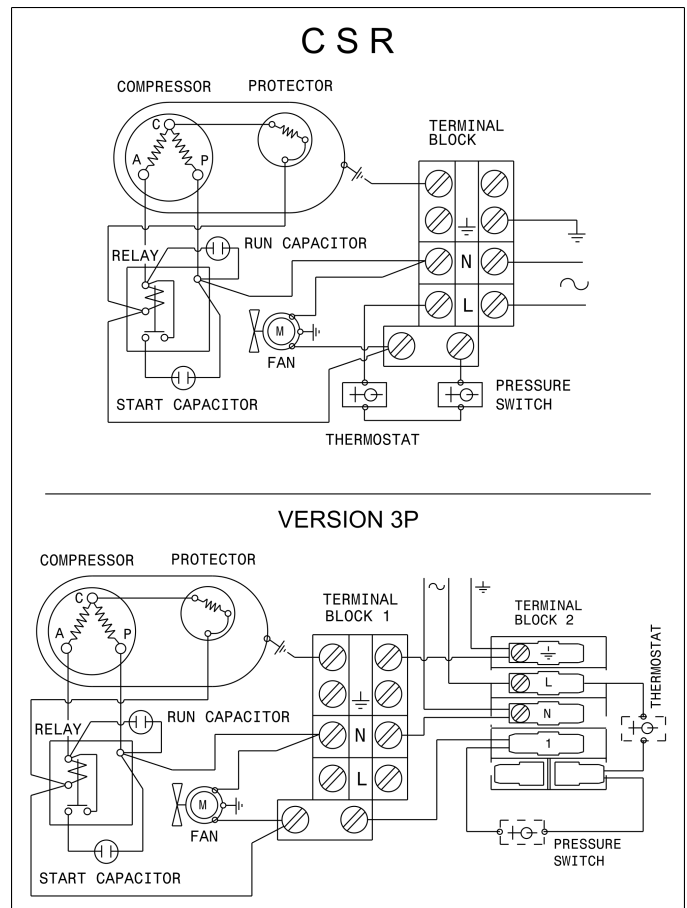
HBP

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	14T 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	
CMS34TG_N	CSR	-	2877	4123	5339	5602	3151	12.07	5935

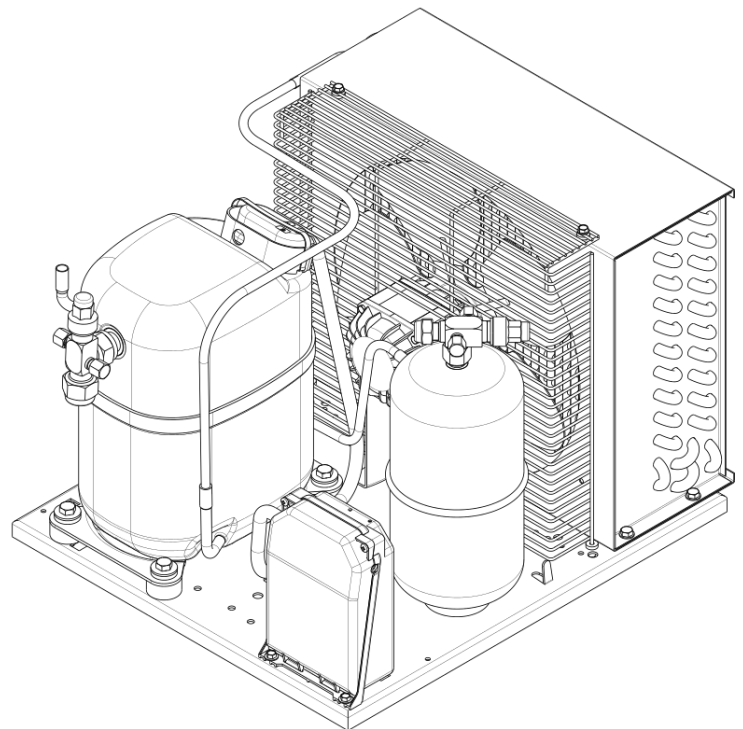
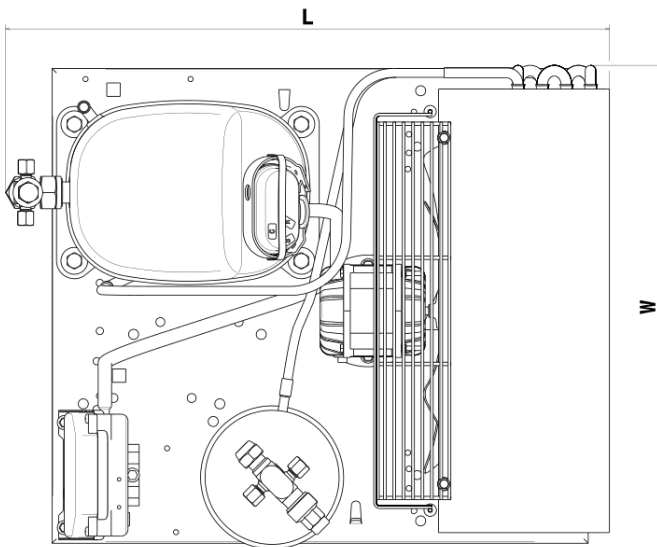
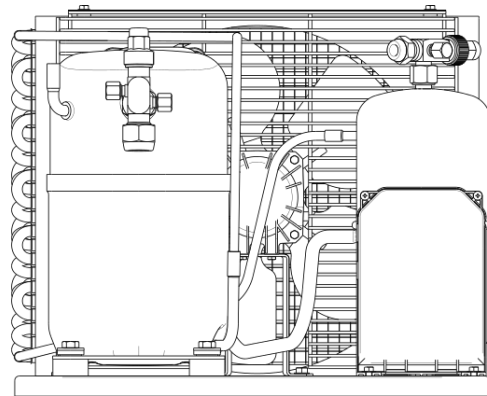
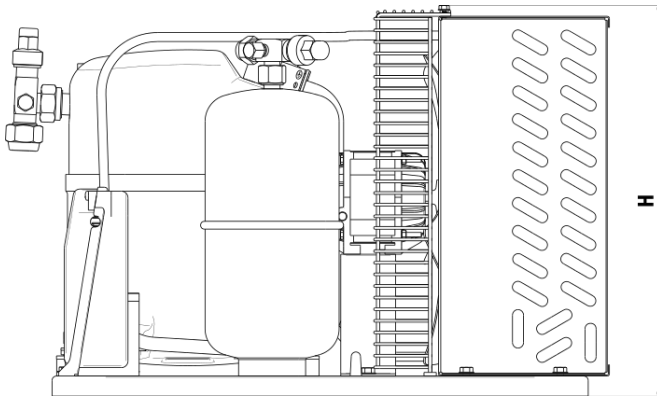
ASHRAE HBP: Condensing temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

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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.: 12,7 mm Discharge tube internal diam.: 8,0 mm Net Weight: 40,5 Kg	Suction valve: 5/8" Discharge valve: 3/8" Net Weight: 41,5 Kg	Receiver vol.: 2,4 l Suction valve: 5/8" Discharge valve: 3/8" Net Weight: 43,0 Kg	Receiver vol.: 2,4 l Suction valve: 5/8" Discharge valve: 3/8" Net Weight: 44,1 Kg	Suction tube internal diam.: 12,7 mm Discharge tube internal diam.: 8,0 mm Net Weight: 40,5 Kg

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
460x505x375	460x535x375	460x535x375	460x535x375