

Condensing Unit Technical Data Sheet

Model CMS34F3_N
Voltage 400/440V 50/60Hz ~3
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 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 hp
 Voltage/Frequency 400V 50Hz
 Voltage range 340-440 V
 Type 3PHASE
 Phase number 3 PH
 Locked Rotor Amps (LRA) 15,70 A
 Max. Cont. Current (MCC) 3,60 A
 Main W. resist. at 25°C 10,18 Ω
 Start W. resist. at 25°C 14,03 Ω

NOMINAL PERFORMANCE

	ASHRAE
Cooling Capacity	1.535 W
COP	1,27 W/W
EER	1,09 kCal/Wh
Input Power	1.209 W
Current	1,99 A

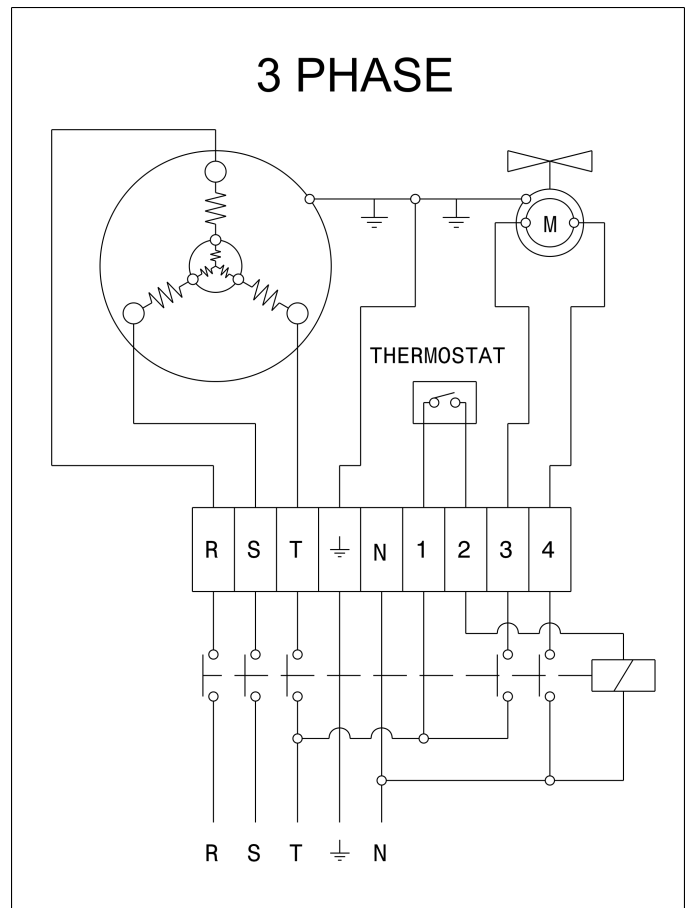
TEST CYCLE CONDITIONS

	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	400 V 50 Hz

CONDENSER AND FAN DATA

Condenser type	CU-AL
Condenser model	12T 4R
Fan blade (Ø mm / °)	300 / 19
Fan motor	25W 220-240V 50/60Hz

WIRING DIAGRAM



REFRIGERATION CAPACITY (W) Evaporating Temperature (°C)

Model	Motor	-40	-35	-30	-25	-23.3			-10
						W	Winp	A	
CMS34F3_N	3PHASE	627	827	1139	1427	1535	1209	1.99	2448

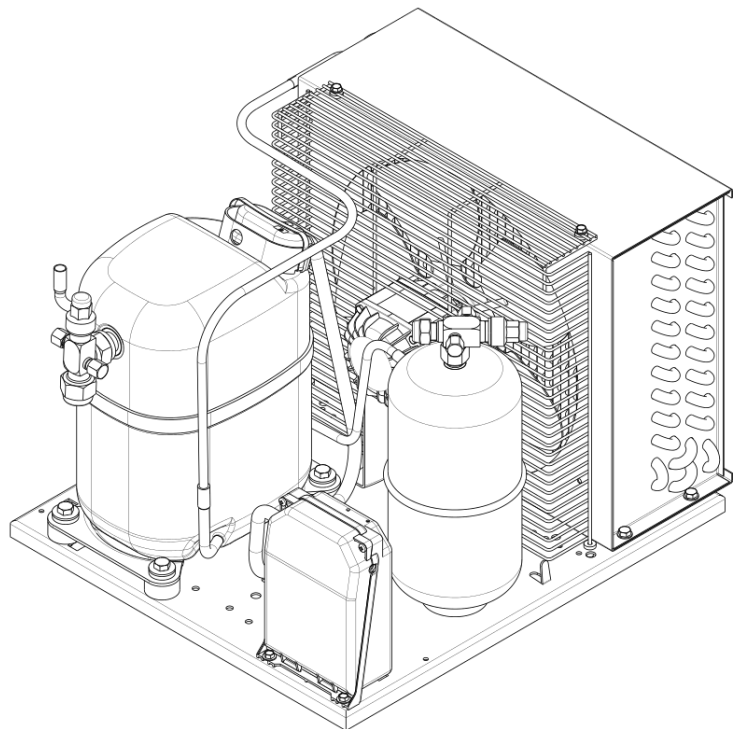
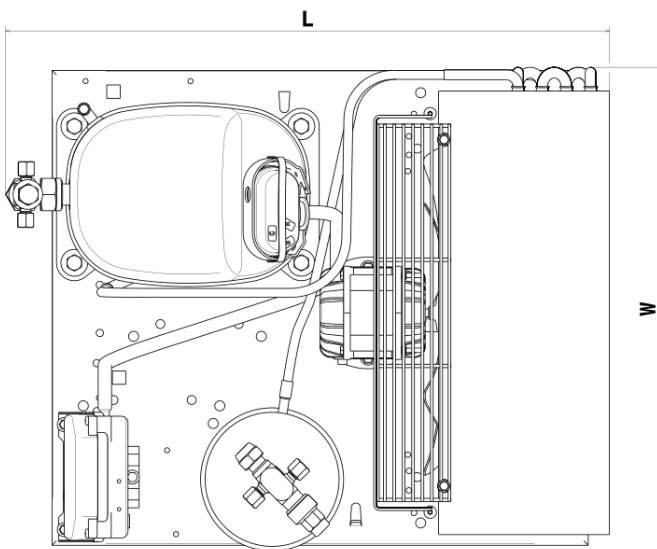
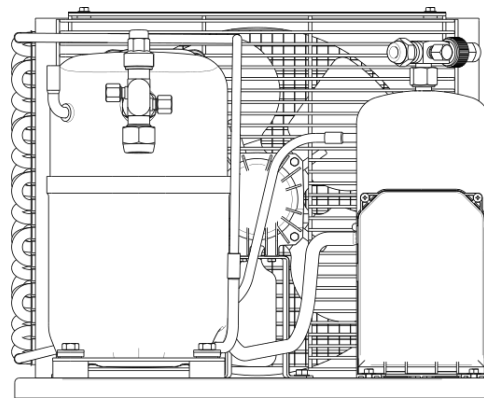
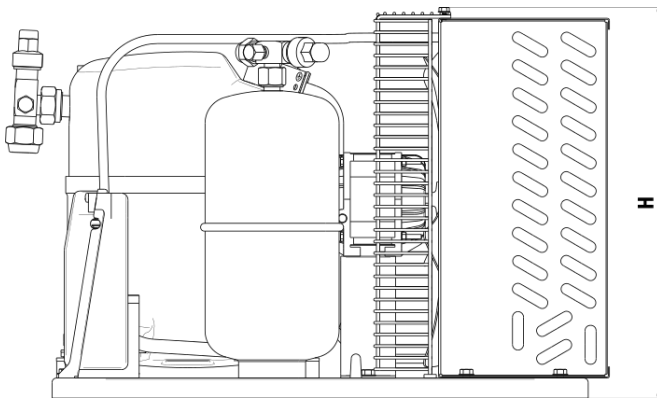
ASHRAE LBP: Condensing temperature: 55°C, Liquid temperature: 32°C, Suction temperature: 32°C, Ambient temperature: 32°C

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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.: 12,7 mm Discharge tube internal diam.: 8,0 mm Net Weight: 41,5 Kg	Suction valve: 5/8" Discharge valve: 3/8" Net Weight: 42,5 Kg	Receiver vol.: 2,4 l Suction valve: 5/8" Discharge valve: 3/8" Net Weight: 44,0 Kg	Receiver vol.: 2,4 l Suction valve: 5/8" Discharge valve: 3/8" Net Weight: 45,1 Kg	Suction tube internal diam.: 12,7 mm Discharge tube internal diam.: 8,0 mm Net Weight: 41,5 Kg

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
430x505x350	430x535x350	435x535x350	435x535x350