

Condensing Unit

Technical Data Sheet

Compressor model **CMS22TB_N**
Voltage **220-240V 50Hz ~1**
Refrigerant **R404A**
Compressor status

APPLICATION

Application High-Medium Back Pressure
Refrigerant R404A
Evaporating Temp. -25,0 °C to 10,0 °C
Expansion Capillar/Valve
Comp. Cooling Fan cooled
Max. ambient temp. 43,0 °C

COMPRESSOR

Displacement 21,75 cm³
Diameter 38,10 mm
Stroke 19,07 mm
Oil type ISO VG 46 ESTER
Oil charge 700 cm³
HP 1 hp

MOTOR

Voltage/Frequency 220-240V 50Hz
Voltage range 187-264 V
Type CSR
Phase number 1 PH
Locked Rotor Amps (LRA) 32,00 A
Max. Cont. Current (MCC) 8,40 A
Main W. resist. at 25°C 1,81 Ω
Start W. resist. at 25°C 6,52 Ω

NOMINAL PERFORMANCE

Cooling Capacity	2.900 W
COP	2,24 W/W
EER	1,93 kCal/Wh
Input Power	1.292 W
Current	6,03 A

ASHRAE

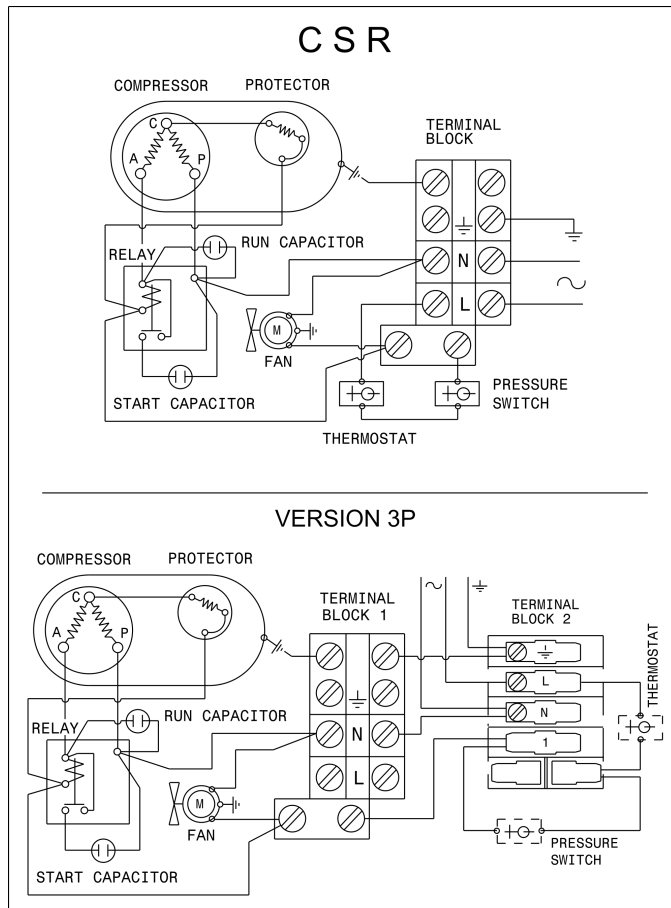
TEST CYCLE CONDITIONS

	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	220 V 50 Hz

CONDENSER AND FAN DATA

Condenser type	CU-AL
Condenser model	14T 3R
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	
CMS22TB_N	CSR	859	1354	1975	2720	2900	1292	6.03	3139

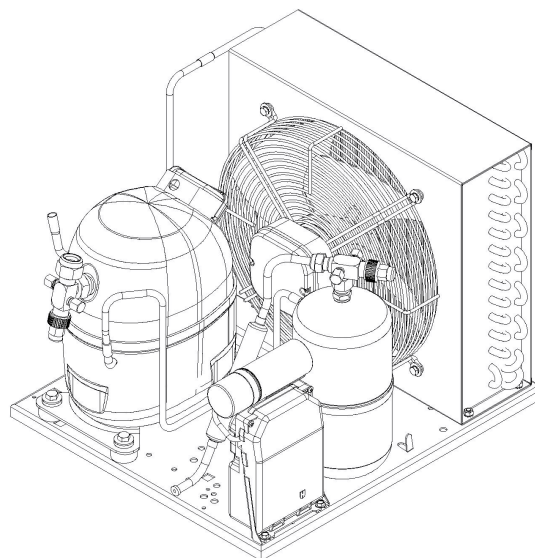
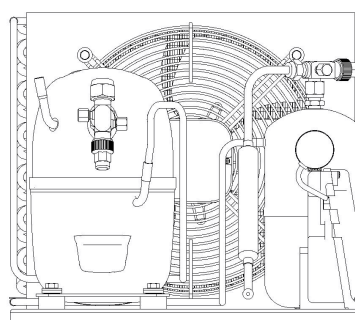
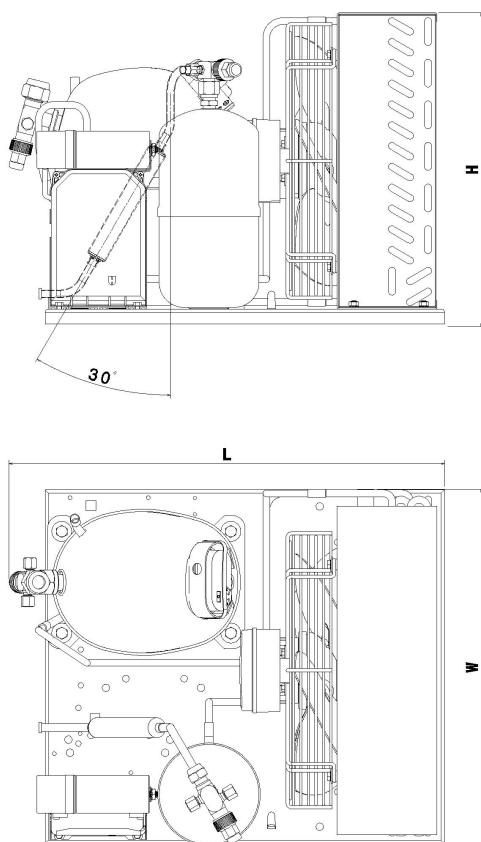
ASHRAE HMBP: Condensing temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

Condensing Unit Technical Data Sheet

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: 36,7 Kg	Suction valve: 1/2" Discharge valve: 3/8" Net Weight: 38,6 Kg	Receiver vol.: 2,4 l Suction valve: 1/2" □□□: 3/8" Net Weight: 39,2 Kg	Receiver vol.: 2,4 l Suction valve: 1/2" Discharge valve: 3/8" Net Weight: 40,3 Kg	Suction tube internal diam.: 12,7 mm Discharge tube internal diam.: 8,0 mm Net Weight: 36,7 Kg

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
425x495x375	425x525x374	430x525x374	430x525x374