

Condensing Unit Technical Data Sheet

Compressor model **CMS34TB_N**
Voltage **220-240V 50Hz ~1**
Refrigerant **R404A**
Compressor status

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 700 cm³
HP 1 5/8 hp

MOTOR

Voltage/Frequency 220-240V 50Hz
Voltage range 198-255 V
Type CSR
Phase number 1 PH
Locked Rotor Amps (LRA) 41,00 A
Max. Cont. Current (MCC) 17,50 A
Main W. resist. at 25°C 1,38 Ω
Start W. resist. at 25°C 4,58 Ω

NOMINAL PERFORMANCE

ASHRAE

Cooling Capacity	4.788 W
COP	1,95 W/W
EER	1,67 kCal/Wh
Input Power	2.461 W
Current	12,07 A

TEST CYCLE CONDITIONS

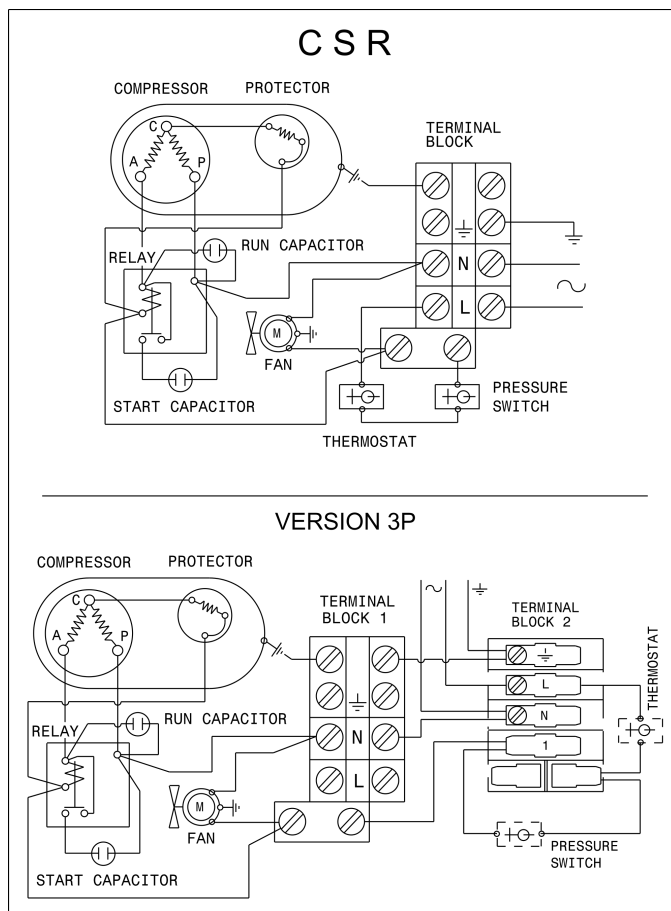
HBP

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	220 V 50 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	
CMS34TB_N	CSR	1369	2459	3524	4563	4788	2461	12.07	5073

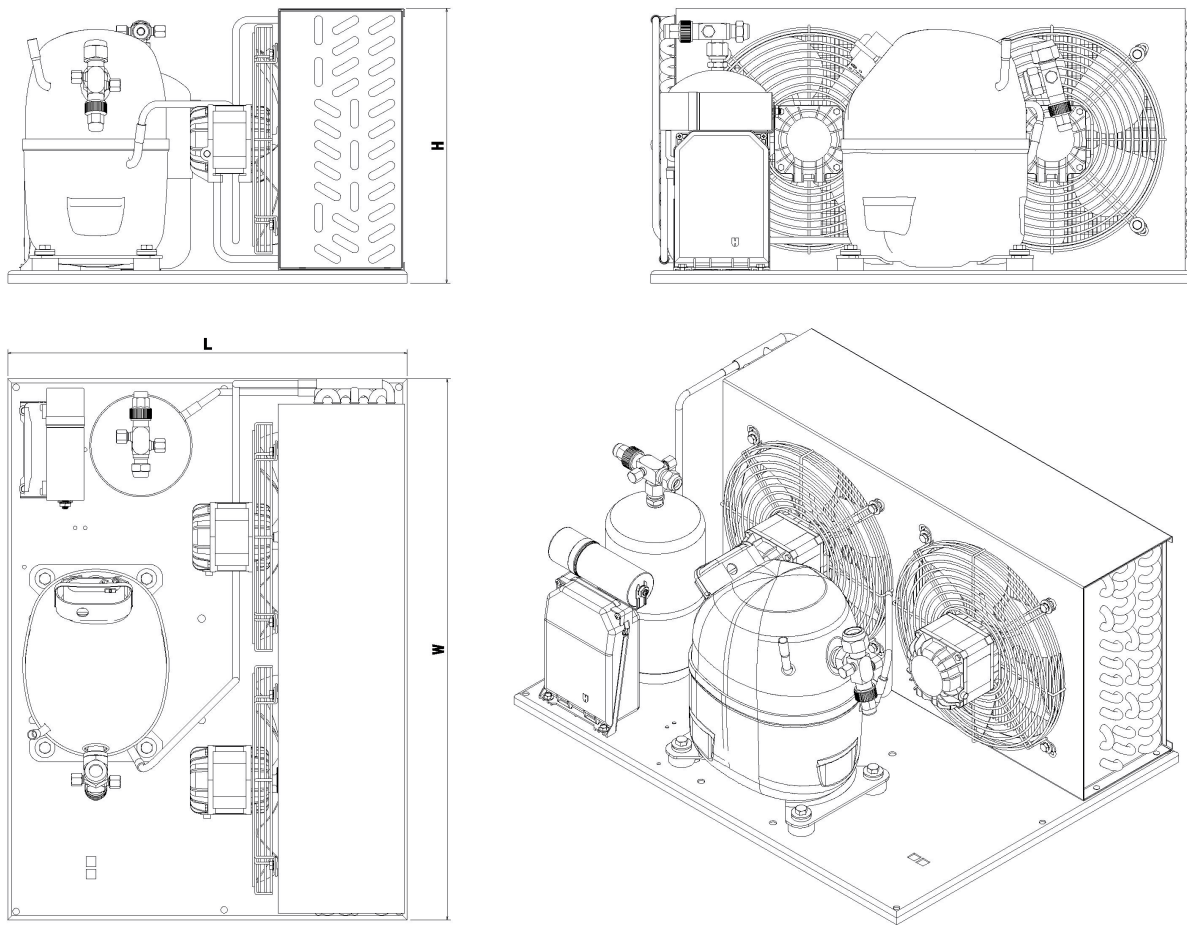
ASHRAE HBP: Condensing temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

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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: 40,0 Kg	Suction valve: 5/8" Discharge valve: 3/8" Net Weight: 41,0 Kg	Receiver vol.: 2,4 l Suction valve: 5/8" □□□: 3/8" Net Weight: 42,5 Kg	Receiver vol.: 2,4 l Suction valve: 5/8" Discharge valve: 3/8" Net Weight: 43,5 Kg	Suction tube internal diam.: 12,7 mm Discharge tube internal diam.: 8,0 mm Net Weight: 41,0 Kg

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
425x505x374	425x535x374	430x535x374	430x535x374