

Condensing Unit

Technical Data Sheet

Compressor model **CNUY80NRb_N**
Voltage **115-127V 60Hz ~1**
Refrigerant **R290**

APPLICATION

Application Low-Medium Back Pressure
Refrigerant R290
Evaporating Temp. -40,0 °C to 0,0 °C
Expansion Capillar/Valve
Comp. Cooling Fan cooled
Max. ambient temp. 43,0 °C

COMPRESSOR

Displacement 8,10 cm³
Diameter 24,30 mm
Stroke 17,50 mm
Oil type ISO VG 46 ESTER
Oil charge 200 cm³

MOTOR

Nominal Power 1/4 hp
Voltage/Frequency 115-127V 60Hz
Voltage range 98-140 V
Type CSR
Phase number 1 PH
Locked Rotor Amps (LRA) 29,40 A
Max. Cont. Current (MCC) 7,00 A
Main W. resist. at 25°C 1,72 Ω
Start W. resist. at 25°C 10,10 Ω

NOMINAL PERFORMANCE

ASHRAE

Cooling Capacity	497 W
COP	1,53 W/W
EER	1,31 kCal/Wh
Input Power	325 W
Current	2,35 A

TEST CYCLE CONDITIONS

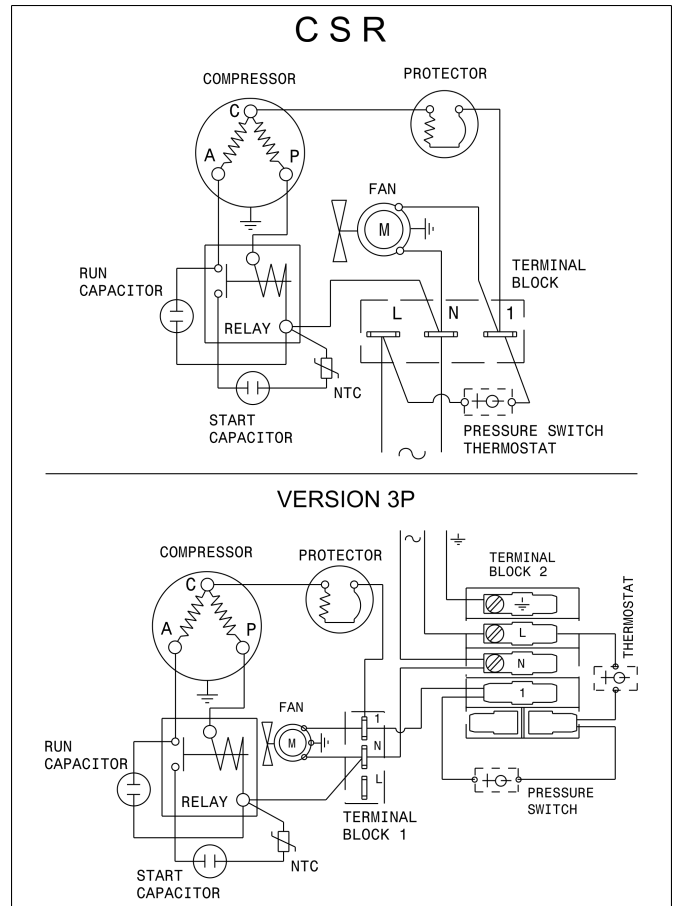
LMBP

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	115 V 60 Hz

CONDENSER AND FAN DATA

Condenser type	CU-AL
Condenser model	8T 4R
Fan blade (Ø mm / °)	200 / 28
Fan motor	4W 115V 60Hz

WIRING DIAGRAM



REFRIGERATION CAPACITY (W)

Evaporating Temperature (°C)

Model	Motor	-40	-35	-30	-25	-23.3			-10
						W	Winp	A	
CNUY80NRb_N	CSR	231	235	368	637	497	325	2.35	901

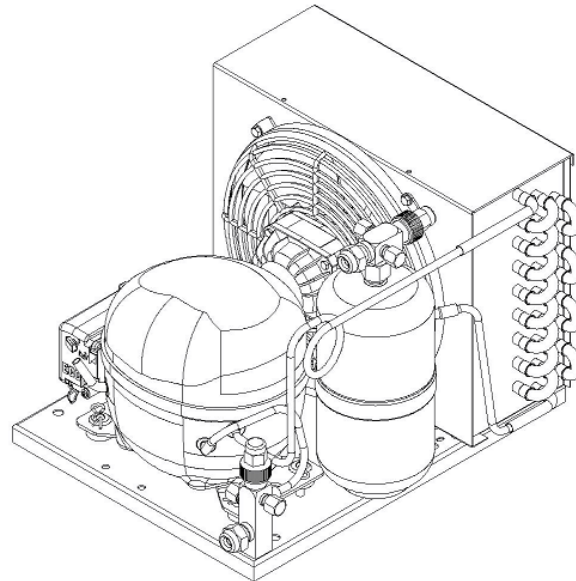
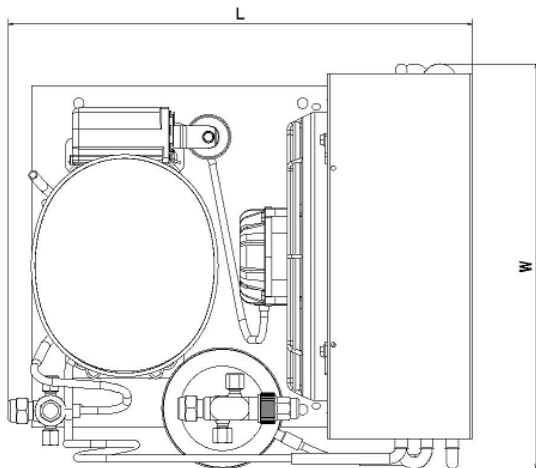
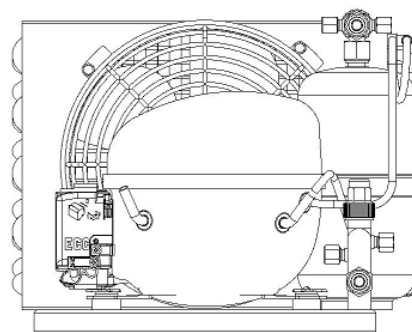
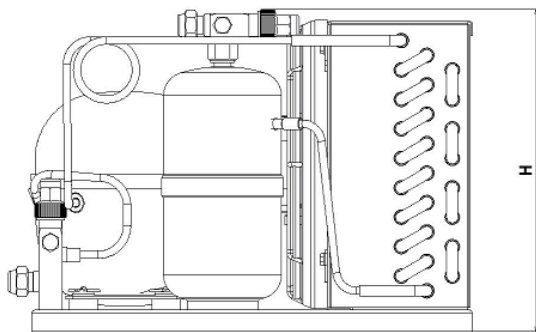
ASHRAE LMBP: Condensing temperature: 55°C, Liquid temperature: 32°C, Suction temperature: 32°C, Ambient temperature: 32°C

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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.: 6,5 mm Discharge tube internal diam.: 4,9 mm Net Weight: 17,7 Kg	Suction valve: 3/8" Discharge valve: 1/4" Net Weight: 18,2 Kg	Receiver vol.: 0,9 l Suction valve: 3/8" □□□: 1/4" Net Weight: 18,5 Kg	Receiver vol.: 0,9 l Suction valve: 3/8" Discharge valve: 1/4" Net Weight: 19,6 Kg	Suction tube internal diam.: 6,5 mm Discharge tube internal diam.: 4,9 mm Net Weight: 17,7 Kg

DIMENSIONS (Version 3 drawing)



VERSION 1-4 (WxLxH) (mm)	VERSION 2 (WxLxH) (mm)	VERSION 3 (WxLxH) (mm)	VERSION 3P (WxLxH) (mm)
315x385x235	315x385x235	320x425x235	330x435x245