

# Condensing Unit Technical Data Sheet

**Model** CNLY60LAb\_N  
**Voltage** 220-240V 50Hz ~1  
**Refrigerant** R290

## APPLICATION

Application Low Back Pressure  
 Refrigerant R290  
 Evaporating Temp. -40,0 °C to -10,0 °C  
 Expansion Capillar/Valve  
 Comp. Cooling Fan cooled  
 Max. ambient temp. 43,0 °C

## COMPRESSOR

Displacement 5,98 cm<sup>3</sup>  
 Diameter 20,88 mm  
 Stroke 17,47 mm  
 Oil type ISO VG 46 MINER  
 Oil charge 350 cm<sup>3</sup>

## MOTOR

Nominal Power 1/5 hp  
 Voltage/Frequency 220-240V 50Hz  
 Voltage range 187-255 V  
 Type CSR  
 Phase number 1 PH  
 Locked Rotor Amps (LRA) 10,00 A  
 Max. Cont. Current (MCC) 2,00 A  
 Main W. resist. at 25°C 12,20 Ω  
 Start W. resist. at 25°C 16,80 Ω

## NOMINAL PERFORMANCE

|                  |              |
|------------------|--------------|
| Cooling Capacity | 272 W        |
| COP              | 1,37 W/W     |
| EER              | 1,18 kCal/Wh |
| Input Power      | 199 W        |
| Current          | 0,95 A       |

## ASHRAE

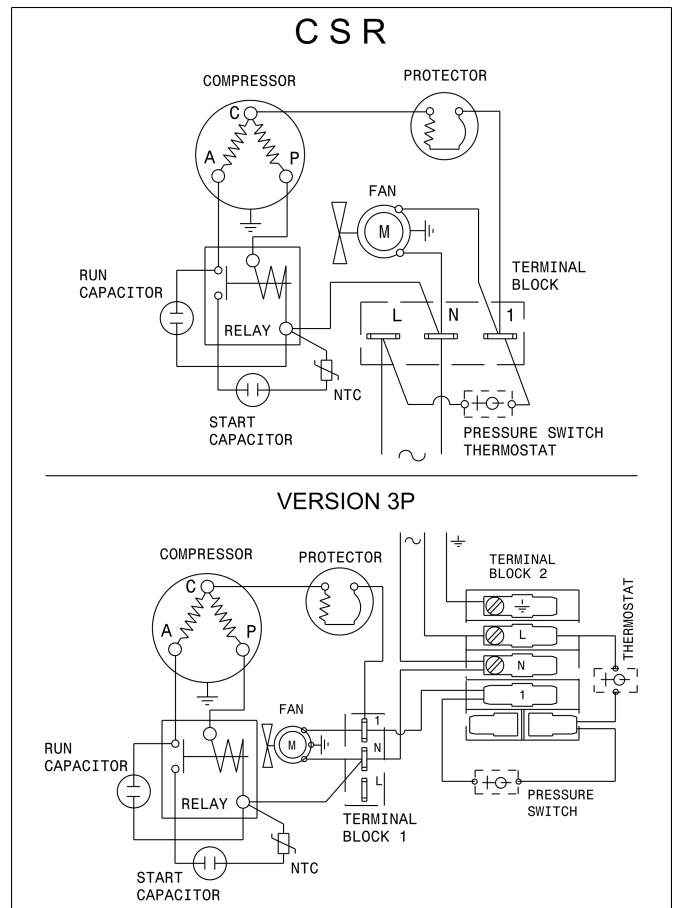
## TEST CYCLE CONDITIONS

|                                       | LBP         |
|---------------------------------------|-------------|
| Evaporating temp. (T <sub>e</sub> )   | -23,3 °C    |
| Condensing temp. (T <sub>c</sub> )    | 55,0 °C     |
| Liquid temp. (T <sub>liq.</sub> )     | 32,0 °C     |
| Ambient temp. (T <sub>amb.</sub> )    | 32,0 °C     |
| Suction temp. (T <sub>suction</sub> ) | 32,0 °C     |
| Voltage/Frequency                     | 220 V 50 Hz |

## CONDENSER AND FAN DATA

|                      |                 |
|----------------------|-----------------|
| Condenser type       | CU-AL           |
| Condenser model      | 7T 2R           |
| Fan blade (Ø mm / °) | 172 / 28        |
| Fan motor            | 5W 230V 50/60Hz |

## WIRING DIAGRAM



## REFRIGERATION CAPACITY (W) Evaporating Temperature (°C)

| Model       | Motor | -40 | -35 | -30 | -25 | -23.3 |      |      | -10 |
|-------------|-------|-----|-----|-----|-----|-------|------|------|-----|
|             |       |     |     |     |     | W     | Winp | A    |     |
| CNLY60LAb_N | CSR   | 137 | 181 | 205 | 257 | 272   | 199  | 0.95 | 443 |

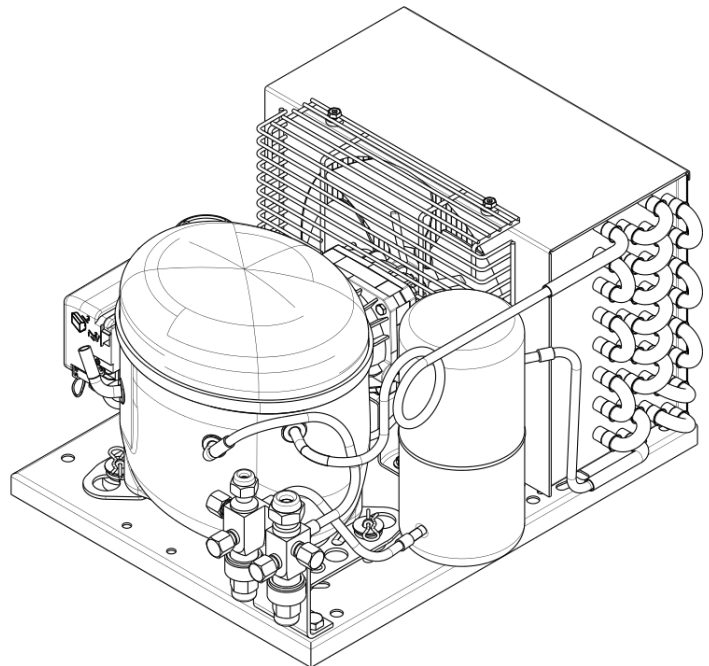
ASHRAE LBP: Condensing temperature: 55°C, Liquid temperature: 32°C, Suction temperature: 32°C, Ambient temperature: 32°C

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## VERSIONS

| VERSION 1   | VERSION 2   | VERSION 3   | VERSION 3P  | VERSION 4   |
|---|---|---|---|---|
| <b>Tube</b>   | <b>Service valve</b>  | <b>Service valve and receiver</b>   | <b>Service valve, receiver, pressure switch</b>   | <b>Schrader valve on the service port</b>   |
| Suction tube internal diam.: 6,5 mm<br>Discharge tube internal diam.: 4,9 mm<br>Net Weight: 16,2 Kg | Suction valve: 3/8"<br>Discharge valve: 1/4"<br>Net Weight: 16,7 Kg | Receiver vol.: 0,9 l<br>Suction valve: 3/8"<br>Discharge valve: 1/4"<br>Net Weight: 17,0 Kg | Receiver vol.: 0,9 l<br>Suction valve: 3/8"<br>Discharge valve: 1/4"<br>Net Weight: 18,1 Kg | Suction tube internal diam.: 6,5 mm<br>Discharge tube internal diam.: 4,9 mm<br>Net Weight: 16,2 Kg |

## DIMENSIONS (Version 3 drawing)



| VERSION 1-4<br>(WxLxH) (mm) | VERSION 2<br>(WxLxH) (mm) | VERSION 3<br>(WxLxH) (mm) | VERSION 3P<br>(WxLxH) (mm) |
|-----------------------------|---------------------------|---------------------------|----------------------------|
| 305x385x215                 | 315x425x215               | 330x425x215               | 330x435x245                |