

# Condensing Unit

## Technical Data Sheet

**Model** CGU60TG\_N  
**Voltage** 200-230/220-240V 50/60Hz ~1  
**Refrigerant** R134a

### APPLICATION

Application High Back Pressure  
 Refrigerant R134a  
 Evaporating Temp. -15,0 °C to 10,0 °C  
 Expansion Capillar/Valve  
 Comp. Cooling Fan cooled  
 Max. ambient temp. 43,0 °C

### COMPRESSOR

Displacement 6,00 cm<sup>3</sup>  
 Diameter 22,00 mm  
 Stroke 16,00 mm  
 Oil type ISO VG 22 ESTER  
 Oil charge 220 cm<sup>3</sup>

### MOTOR

Nominal Power 1/5 hp  
 Voltage/Frequency 200-230V 50Hz  
 Voltage range 170-253 V  
 Type CSIR  
 Phase number 1 PH  
 Locked Rotor Amps (LRA) 10,90 A  
 Max. Cont. Current (MCC) 0,00 A  
 Main W. resist. at 25°C 13,30 Ω  
 Start W. resist. at 25°C 38,50 Ω

### NOMINAL PERFORMANCE

|                  |              |
|------------------|--------------|
| Cooling Capacity | 640 W        |
| COP              | 2,25 W/W     |
| EER              | 1,94 kCal/Wh |
| Input Power      | 284 W        |
| Current          | 1,79 A       |

### ASHRAE

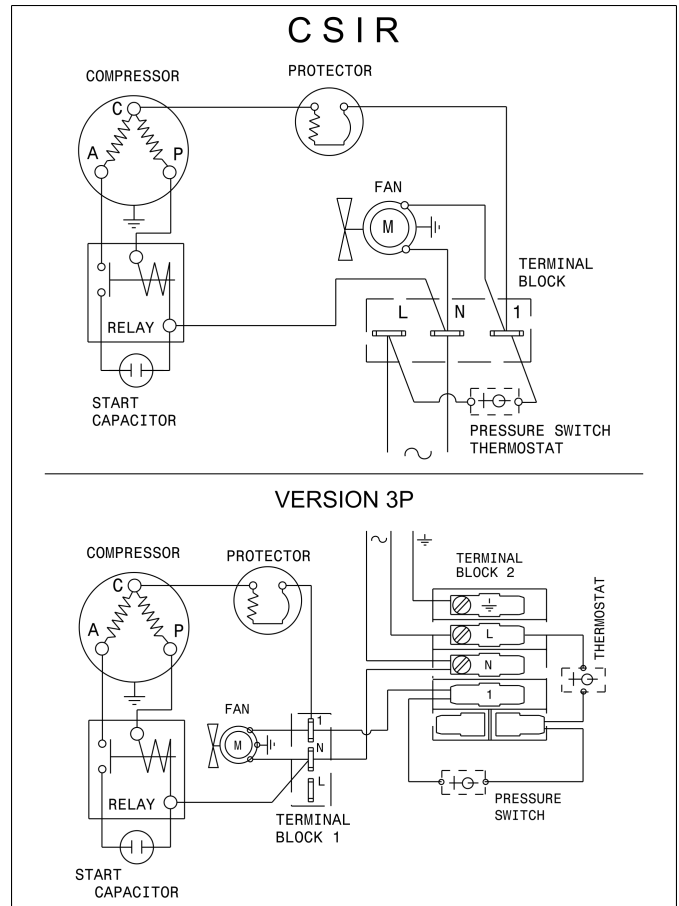
### TEST CYCLE CONDITIONS

|                                       | HBP         |
|---------------------------------------|-------------|
| Evaporating temp. (T <sub>e</sub> )   | 7,2 °C      |
| Condensing temp. (T <sub>c</sub> )    | 55,0 °C     |
| Liquid temp. (T <sub>liq.</sub> )     | 46,0 °C     |
| Ambient temp. (T <sub>amb.</sub> )    | 35,0 °C     |
| Suction temp. (T <sub>suction</sub> ) | 35,0 °C     |
| Voltage/Frequency                     | 200 V 50 Hz |

### CONDENSER AND FAN DATA

|                      |                 |
|----------------------|-----------------|
| Condenser type       | CU-AL           |
| Condenser model      | 8T 3R           |
| Fan blade (Ø mm / °) | 200 / 28        |
| Fan motor            | 5W 200V 50/60Hz |

### WIRING DIAGRAM



### REFRIGERATION CAPACITY (W)

Evaporating Temperature (°C)

| Model     | Motor | -25 | -15 | -5  | 5   | 7.2 |      |      | 10  |
|-----------|-------|-----|-----|-----|-----|-----|------|------|-----|
|           |       |     |     |     |     | W   | Winp | A    |     |
| CGU60TG_N | CSIR  | -   | 241 | 371 | 583 | 640 | 284  | 1.79 | 719 |

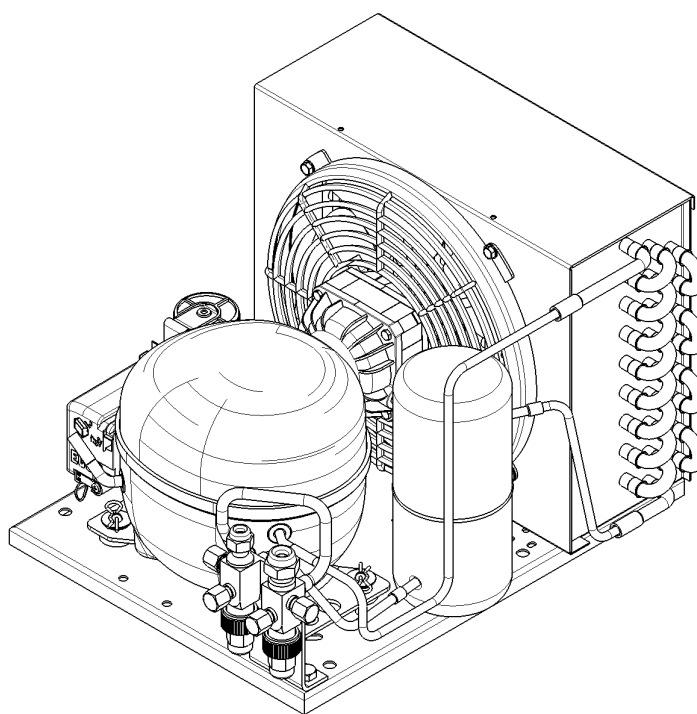
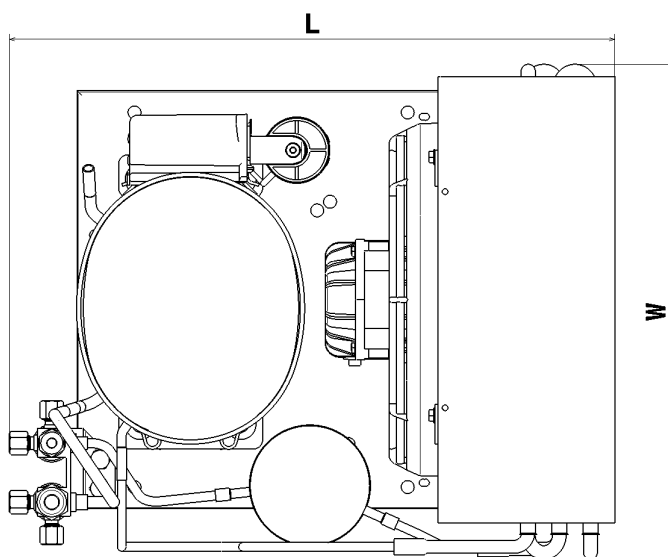
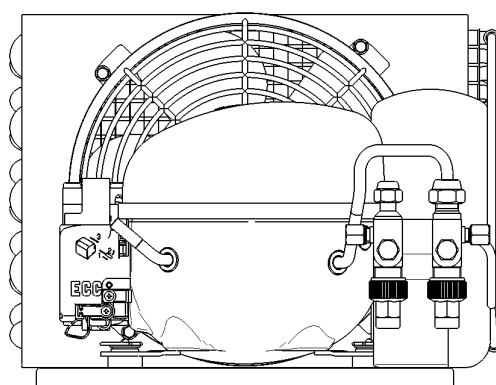
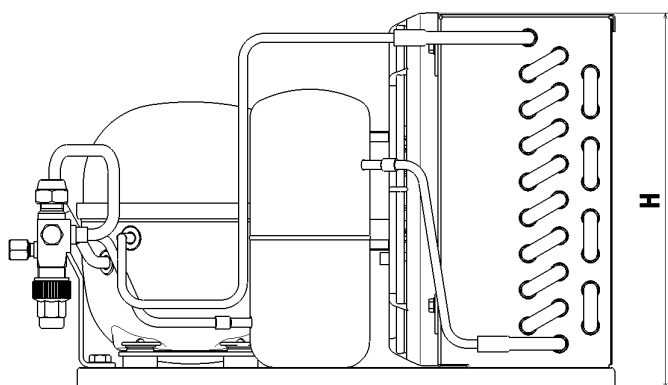
ASHRAE HBP: Condensing temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

# Condensing Unit Technical Data Sheet

## VERSIONS

| VERSION 1                             | VERSION 2             | VERSION 3                         | VERSION 3P                                      | VERSION 4                                 |
|---------------------------------------|-----------------------|-----------------------------------|-------------------------------------------------|-------------------------------------------|
| <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.: 6,2 mm   | Suction valve: 3/8"   | Receiver vol.: 0,9 l              | Receiver vol.: 0,9 l                            | Suction tube internal diam.: 6,2 mm       |
| Discharge tube internal diam.: 4,9 mm | Discharge valve: 1/4" | Suction valve: 3/8"               | Suction valve: 3/8"                             | Discharge tube internal diam.: 4,9 mm     |
| Net Weight: 13,5 Kg                   | Net Weight: 14,0 Kg   | Discharge valve: 1/4"             | Discharge valve: 1/4"                           | Net Weight: 14,5 Kg                       |
|                                       |                       | Net Weight: 16,8 Kg               | Net Weight: 17,9 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) |
|-----------------------------|---------------------------|---------------------------|----------------------------|
| 320x390x230                 | 325x425x230               | 325x425x230               | 345x430x240                |