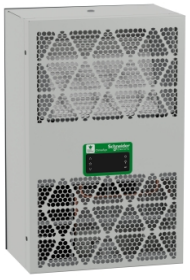
# Product datasheet

Specifications



## Side Connected Cooling Unit, Climasys CU, 600W, 230V, 50/60Hz, IP55

NSYCU600DG

**EAN Code: 3606486054970**

## Main

| | |
|---|---|
| **Range** | ClimaSys |
| **Product name** | CU |
| **mounting type** | Side |
| **Product or component type** | Cooling unit |
| **Installation** | Indoor side |
| **Product destination** | For enclosure |
| **Mounting mode** | By screws |
| **Supply Voltage** | 220...240 V 1 phase 50 Hz EN/IEC<br>230 V +/- 6 % 1 phase 60 Hz UL |
| **Rated Power** | 620 W |
| **Cooling power** | 620 W 50/60 Hz L35-L35<br>470 W 50/60 Hz L35-L50 |

## Complementary

| | |
|---|---|
| **Height** | 460 mm |
| **Width** | 290 mm |
| **Depth** | 190 mm |
| **[In] rated current** | 1.8 A |
| **Inrush current** | 6 A |
| **Power consumption in W** | 370 W at 50/60 Hz, L35-L35<br>420 W at 50/60 Hz, L35-L50 |
| **Energy efficiency ratio** | 1.7 |
| **Control type** | Electronic controller |
| **Temperature setting range** | 20…50 °C at 50/60 Hz |
| **Ambient air temperature for operation** | 20…50 °C at 50/60 Hz inside the enclosure:<br>5…55 °C at 50/60 Hz outside the enclosure: |
| **Noise level** | 62 dB |
| **Pressure** | 28 bar |
| **Flow rate** | Internal circuit: 117 m3/h at 50/60 Hz<br>External circuit: 174 m3/h at 50/60 Hz |
| **Product weight** | 13.2 kg |
| **Cooling gas type** | R513a (0.115 kg) |
| **Type of filter** | Optional external circuit filter |
| **Recommended circuit breaker protection** | M9F23116 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Thermal protection Recommended (fuse)** | 15 A (T) |
| **Material** | Steel |
| **Colour** | Grey (RAL 7035) |

## Environment

| | |
|---|---|
| **Product certifications** | UL<br>IEC<br>EN |
| **Directives** | 2006/42/EC - machinery<br>2014/30/EU - electromagnetic compatibility<br>2011/65/EU - RoHS |
| **Standards** | EN/ISO 12100<br>EN 60335-1<br>EN 60335-2-40<br>EN 61000-3-2<br>EN 61000-3-3<br>EN 61000-6-2<br>EN 61000-6-3<br>EN/IEC 63000:2018<br>EN 14511 |
| **IP degree of protection** | IP55 conforming to IEC 60529 (on the internal circuit)<br>IP24 conforming to IEC 60529 (on the external circuit) |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 22.500 cm |
| **Package 1 Width** | 38.000 cm |
| **Package 1 Length** | 52.000 cm |
| **Package 1 Weight** | 13.000 kg |
| **Unit Type of Package 2** | P12 |
| **Number of Units in Package 2** | 20 |
| **Package 2 Height** | 118.400 cm |
| **Package 2 Width** | 80.000 cm |
| **Package 2 Length** | 120.000 cm |
| **Package 2 Weight** | 285.000 kg |

## Logistical informations

| | |
|---|---|
| **Country of origin** | MT |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained

How we assess product sustainability

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **120 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **49 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **1 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **2 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **43 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **25 kg CO2 eq.** |

## Use Better

### Materials and Substances

| | |
|---|---|
| F-gas free | **Product containing F-gas** |
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **No** |
| EU RoHS Directive | **Compliant** |
| REACh Regulation | **Free of Substances of Very High Concern above the threshold** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

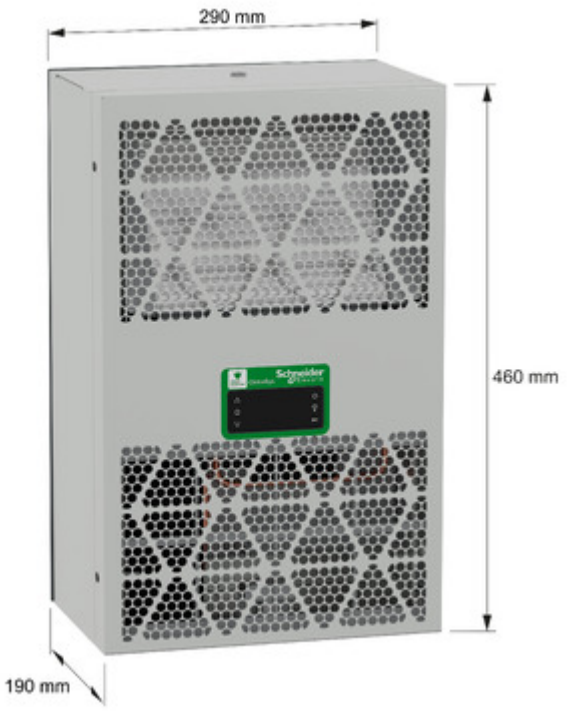
## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **89** |
| End of life manual availability | **End of Life Information** |
| Take-back | **No** |
| WEEE Label | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins** |

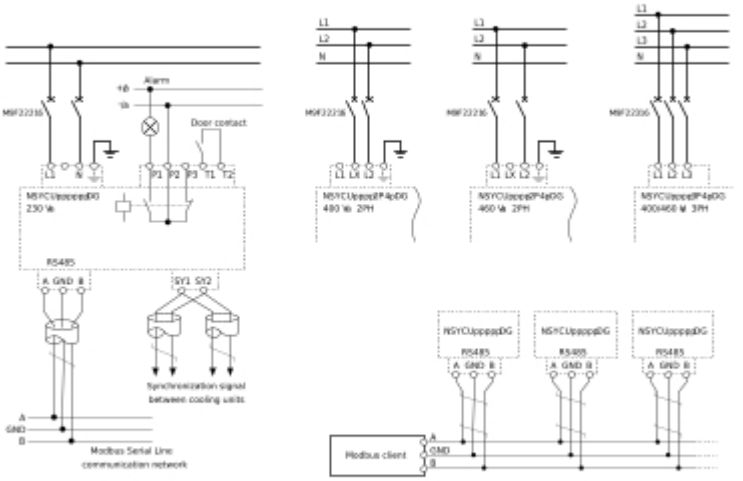
Technical Illustration

**Dimensions**



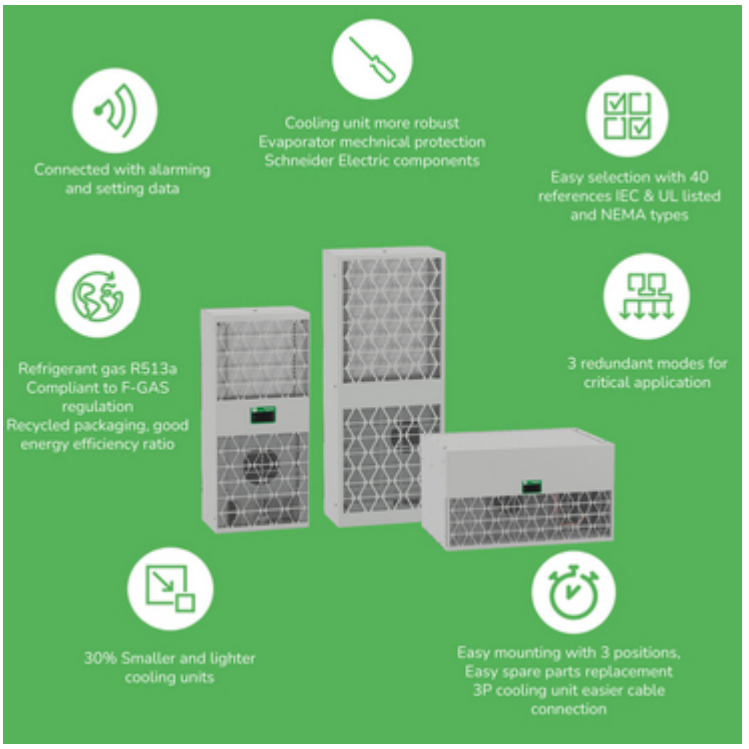
Technical Illustration

**Wiring diagram**



Offer Marketing Illustration

## Product benefits / Features



Offer Marketing Illustration

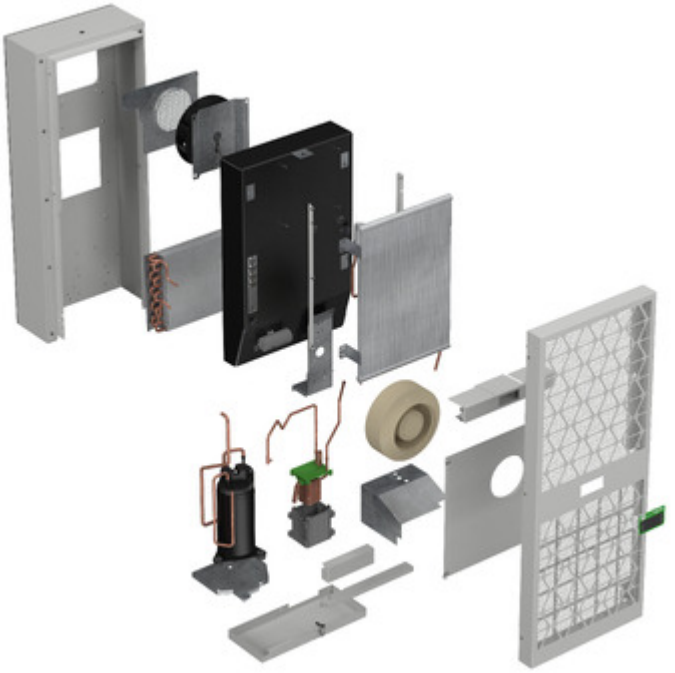
**Energy Label**

Technical Illustration

**Exploded view**

Technical Illustration

**Exploded view**



Technical Illustration

**Exploded view**

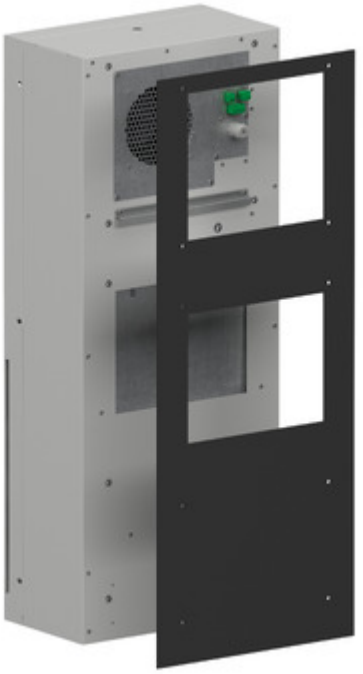
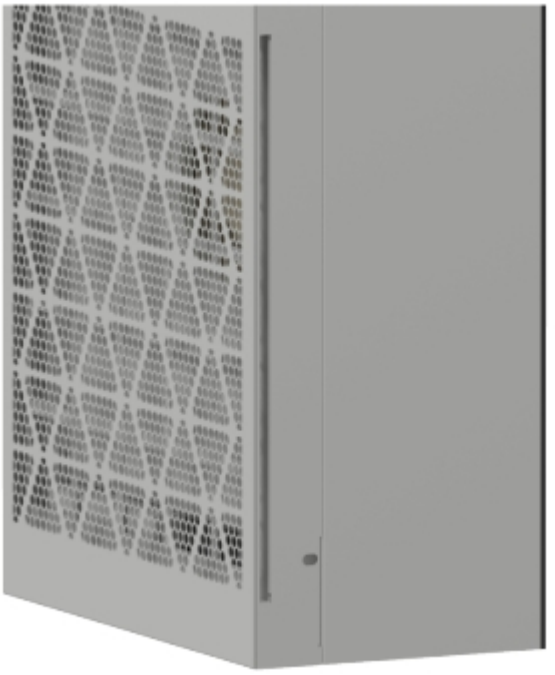
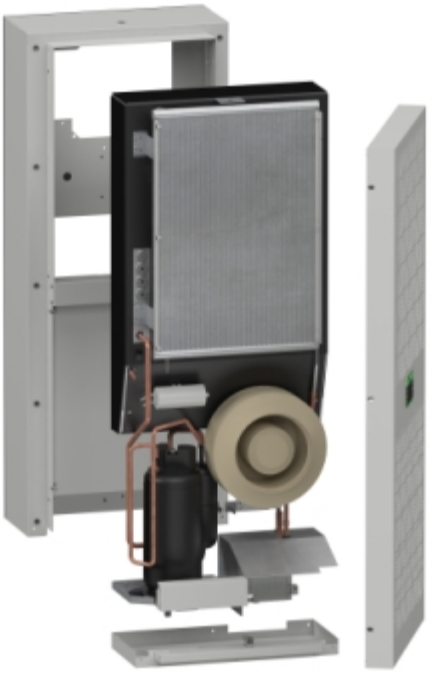


Image of product / Alternate images

**Alternative**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