

# Product data sheet

Specifications



## Regenerative unit, Altivar, 7,5kW, for Altivar variable speed drive

ATVRU75N4

### Main

|                                |  |
|--------------------------------|--|
| Range of product               | Altivar  |
| Range compatibility            | Altivar Machine ATV340<br>Altivar Process ATV900<br>Altivar Machine ATV320 |
| Product or component type      | Power module   |
| Device application             | Energy regeneration  |
| [Us] rated supply voltage      | 380...500 V - 15...10 %  |
| [Ue] rated operational voltage | 456...778 V DC   |
| Rated power in W               | 6.8 kW   |

### Complementary

|                                    |   |
|------------------------------------|---|
| Network frequency                  | 45...65 Hz  |
| Network number of phases           | 3 phases  |
| fixing mode                        | By screws   |
| Maximum voltage drop at rated load | 3 %   |
| Electrical connection              | Control: removable screw terminal block: 0.5...1.5 mm², AWG 20...AWG 16 (bottom)<br>Power supply: removable screw terminal block: 2.5...4 mm², AWG 12...AWG 10 (top)<br>DC bus: removable screw terminal block: 2.5...4 mm², AWG 12...AWG 10 (bottom) |
| Input current                      | 16.5 A at 380 V AC for voltage inputs (continuous)<br>14.5 A at 500 V AC for voltage inputs (continuous)<br>22.9 A at 380 V AC for voltage inputs (transient for 60 s)<br>19.1 A at 500 V AC for voltage inputs (transient for 60 s)                  |
| Input power                        | 6.8 kW at 380...500 V AC for voltage inputs (continuous)<br>10.2 kW at 380...500 V AC for voltage inputs (transient for 60 s)   |
| Maximum DC bus voltage             | 300...880 V DC  |
| Output current                     | 13.4 A at 380 V AC (continuous)<br>11.9 A at 500 V AC (continuous)<br>18.4 A at 380 V AC (transient for 60 s)<br>15.4 A at 500 V AC (transient for 60 s)  |
| Width                              | 80 mm   |
| Height                             | 337 mm  |
| Depth                              | 175 mm  |
| Product weight                     | 6 kg  |

### Environment

|           |                              |
|-----------|------------------------------|
| Standards | IEC 61800-5-1<br>IEC 61800-3 |
|-----------|------------------------------|

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

|                                       |  |
|---------------------------------------|--|
| Product certifications                | cUL  |
| Ambient air temperature for operation | -10...50 °C without derating<br>50...60 °C with derating factor  |
| Ambient air temperature for storage   | -40...70 °C  |
| Operating altitude                    | <= 1000 m without derating<br>1000...3000 m with power derating 1 % per 100 m  |
| Operating position                    | Vertical or horizontal position  |
| Type of cooling                       | Fan  |
| Environmental characteristic          | Chemical pollution resistance class 3C3 conforming to IEC 60721-3-3<br>Dust pollution resistance class 3S2 conforming to IEC 60721-3-3 |
| Pollution degree                      | 2 conforming to IEC 61800-5-1  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 19.300 cm |
| Package 1 Width              | 25.500 cm |
| Package 1 Length             | 51.500 cm |
| Package 1 Weight             | 7.510 kg  |
| Unit Type of Package 2       | S06       |
| Number of Units in Package 2 | 6         |
| Package 2 Height             | 75.000 cm |
| Package 2 Width              | 60.000 cm |
| Package 2 Length             | 80.000 cm |
| Package 2 Weight             | 58.060 kg |

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 | 5312  |
| Environmental Disclosure         | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |   |
|--|---|
| Packaging made with recycled cardboard | Yes   |
| Packaging without single use plastic   | Yes   |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope)  |
| SCIP Number                            | A0d7d417-3a7b-4c37-b617-847488ea9776  |
| REACH Regulation                       | <a href="#">REACH Declaration</a>   |
| California proposition 65              | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

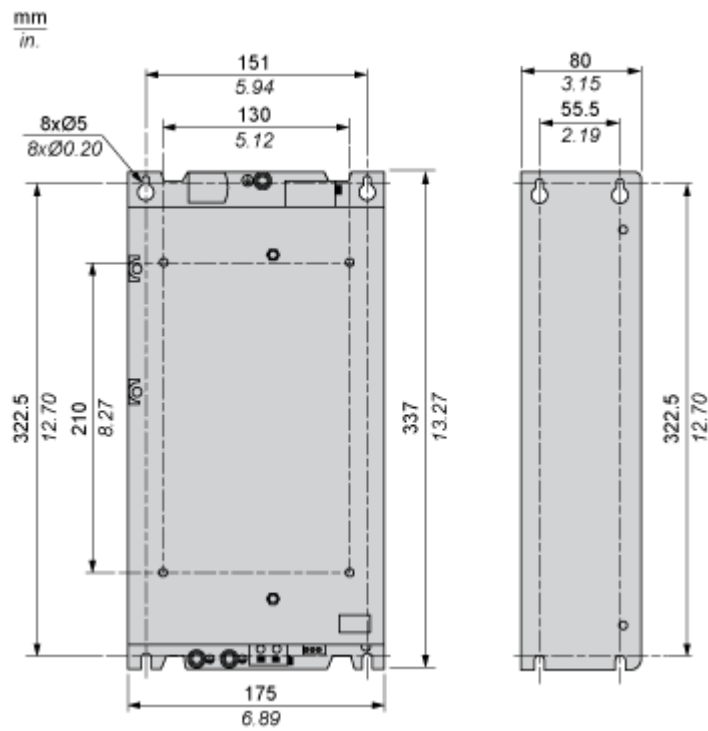
Use Again

| Repack and remanufacture        |   |
|---------------------------------|---|
| End of life manual availability | <a href="#">End of Life Information</a>   |
| 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 |

Dimensions Drawings

Dimensions

Front and Side Views

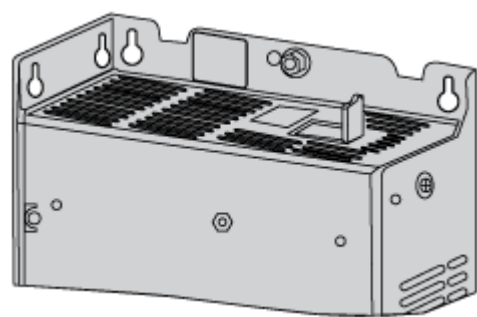
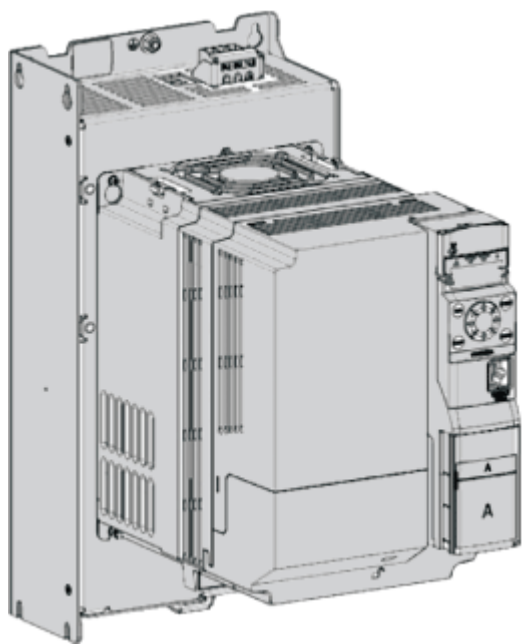


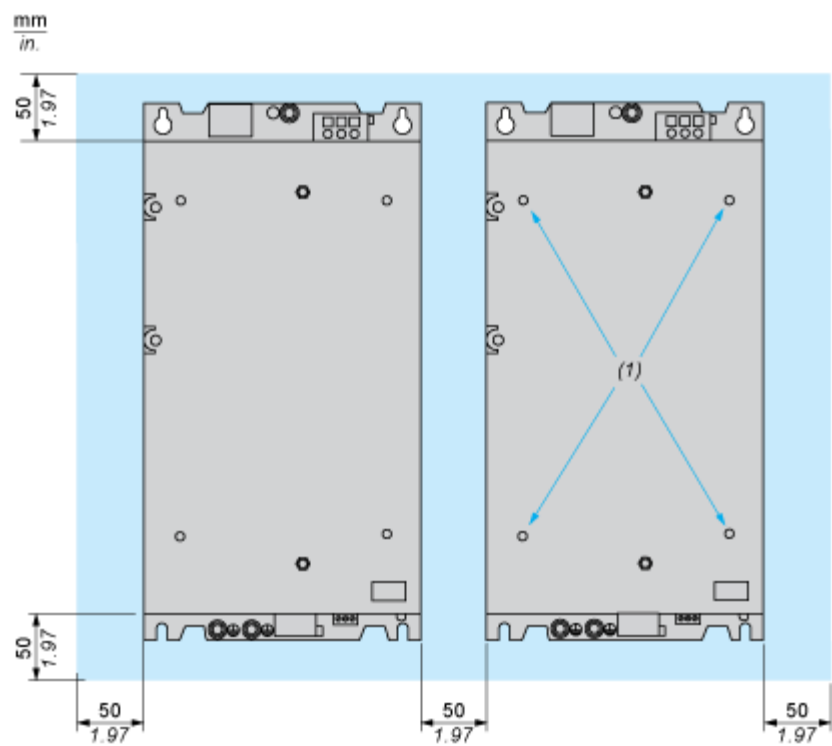
Mounting and Clearance

Mounting Recommendations

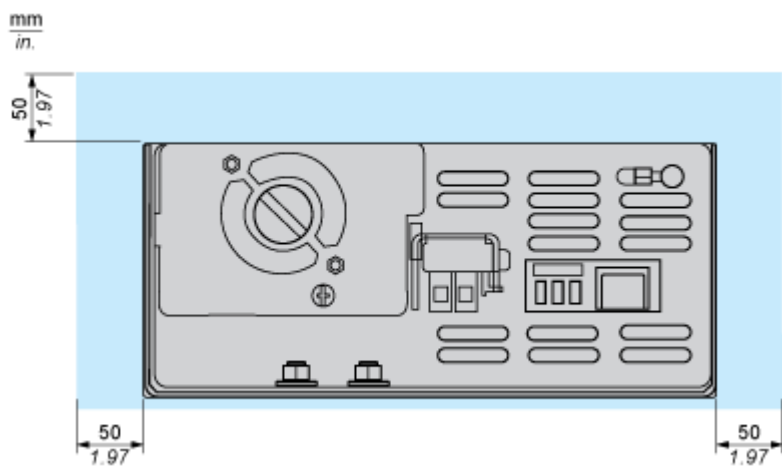
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Vertical Flat Mounting





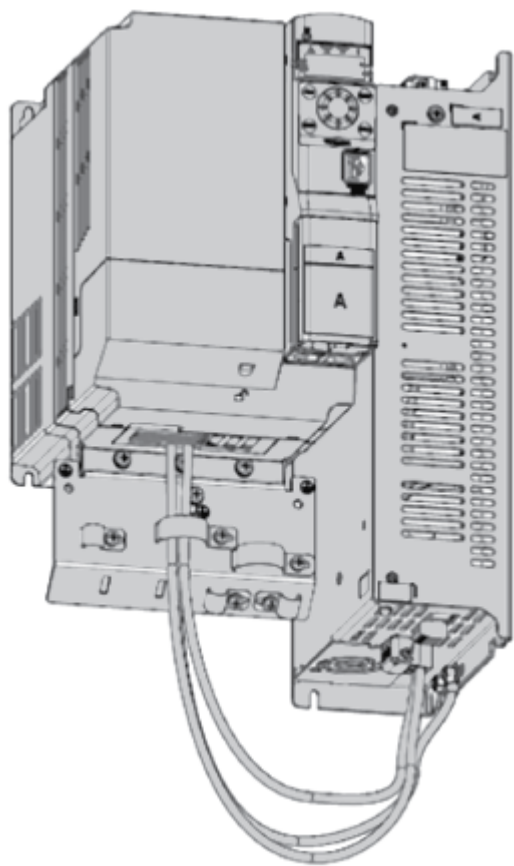
(1) : Fixing holes for ATVR320

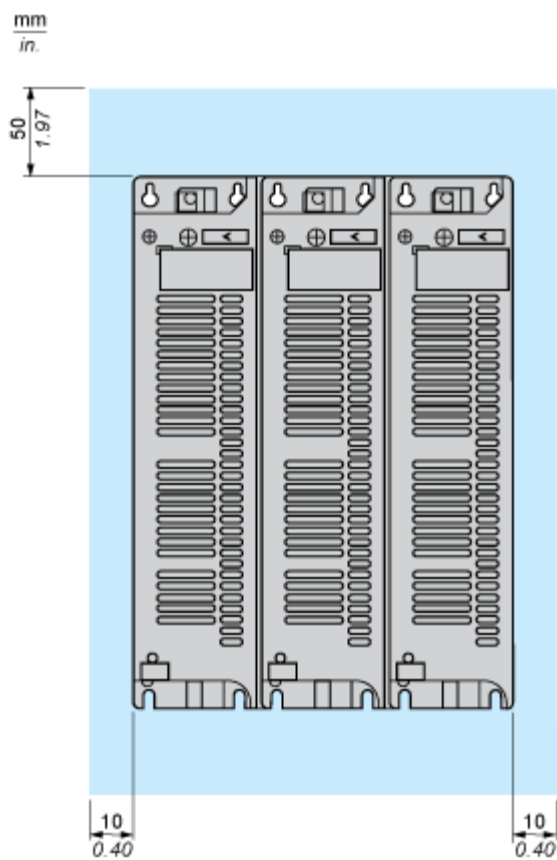


Mounting Recommendations

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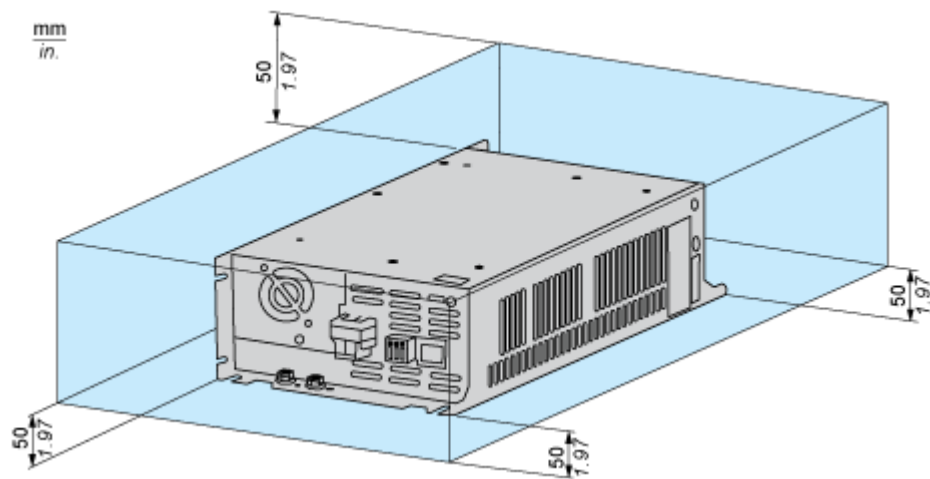
Side by Side Mounting





Mounting Recommendations

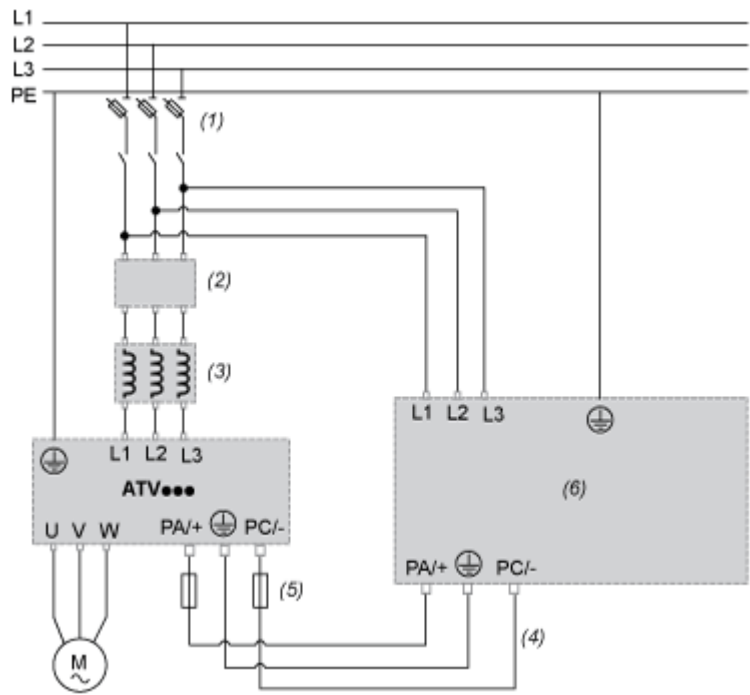
Horizontal Flat Mounting



Connections and Schema

Wiring Diagram

Drive and Regenerative Unit



- (1) : AC protection fuses
- (2) : Optional additional EMC input Filter (see drive catalog)
- (3) : Optional AC Choke (see drive catalog)
- (4) : DC bus link
- (5) : DC protection fuses
- (6) : Altivar Regenerative Unit