

Product datasheet

Specifications



Regenerative unit - 15 kW - for Altivar variable speed drive

ATVRD15N4

Price: 47,082.74 ZAR

Main

Range Of Product	Altivar
Range Compatibility	Altivar Machine ATV340 Altivar Machine ATV320 Altivar Process ATV900
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	13.5 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) Power supply: removable screw terminal block: 6 mm², AWG 8 (top) DC bus: removable screw terminal block: 6 mm², AWG 8 (bottom)
Input Current	31.8 A at 380 V AC for voltage inputs (continuous) 27.9 A at 500 V AC for voltage inputs (continuous) 43.1 A at 380 V AC for voltage inputs (transient for 60 s) 36.3 A at 500 V AC for voltage inputs (transient for 60 s)
Input Power	13.5 kW at 380...500 V AC for voltage inputs (continuous) 20.3 kW at 380...500 V AC for voltage inputs (transient for 60 s)
Maximum Dc Bus Voltage	300...880 V DC
Output Current	25.9 A at 380 V AC (continuous) 23.2 A at 500 V AC (continuous) 36.5 A at 380 V AC (transient for 60 s) 29.7 A at 500 V AC (transient for 60 s)
Width	105 mm
Height	399 mm
Depth	235 mm
Net Weight	11.5 kg

Environment

Standards	IEC 61800-3 IEC 61800-5-1
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Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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 50...60 °C with derating factor
Ambient Air Temperature For Storage	-40...70 °C
Operating Altitude	<= 1000 m without derating 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 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	21.000 cm
Package 1 Width	32.000 cm
Package 1 Length	61.000 cm
Package 1 Weight	13.565 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	4
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	67.260 kg

Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Resource performance

 Upgraded Components Available

Well-being performance

 Mercury Free

 Rohs Exemption Information [Yes](#)

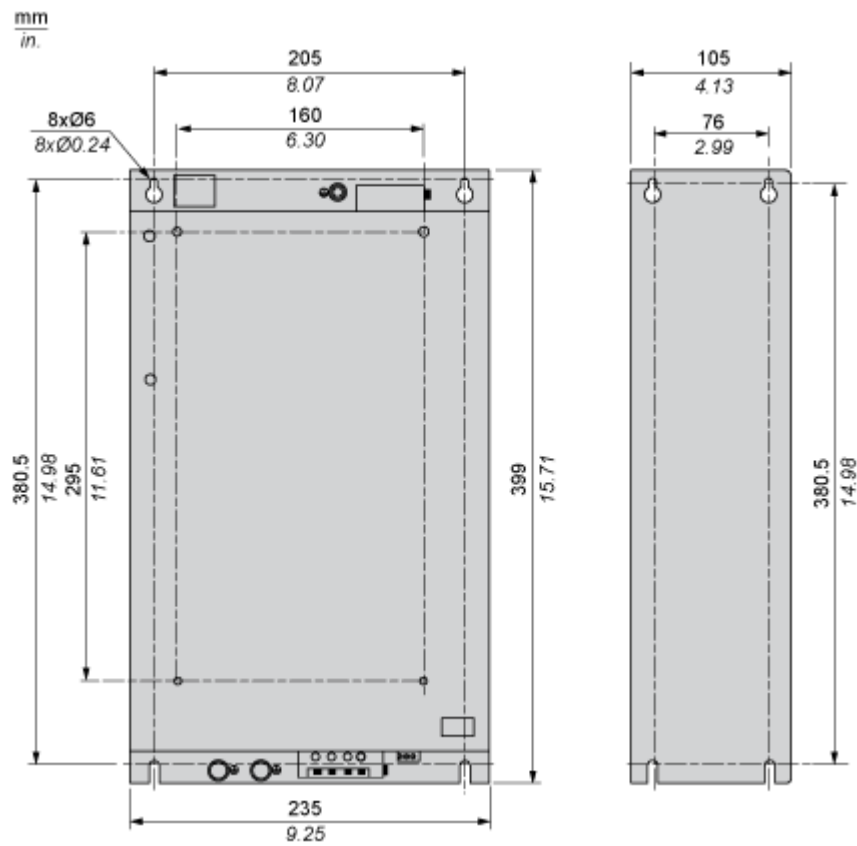
Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

Dimensions Drawings

Dimensions

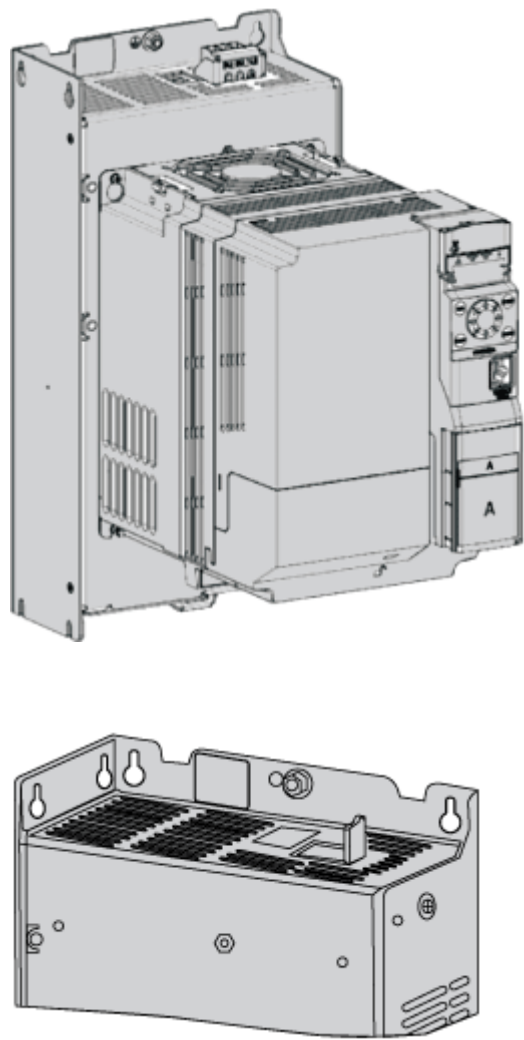
Front and Side Views

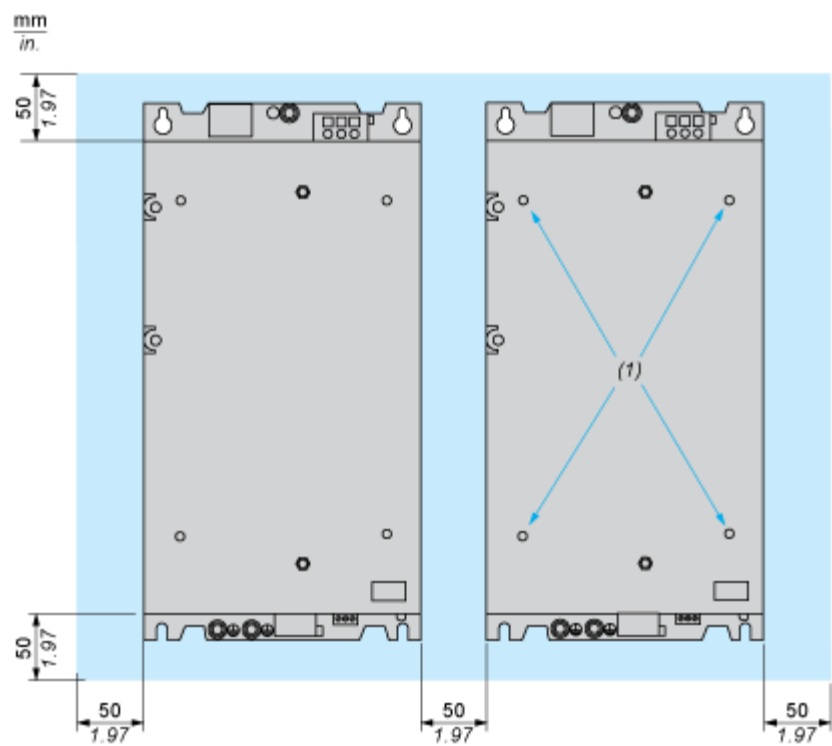


Mounting and Clearance

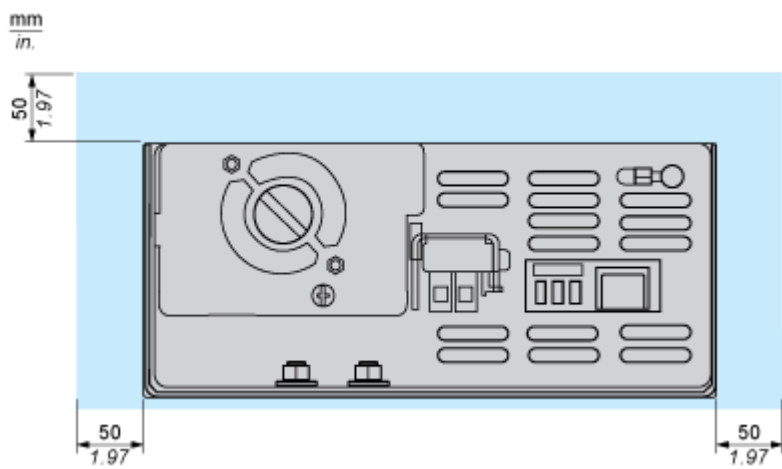
Mounting Recommendations

Vertical Flat Mounting



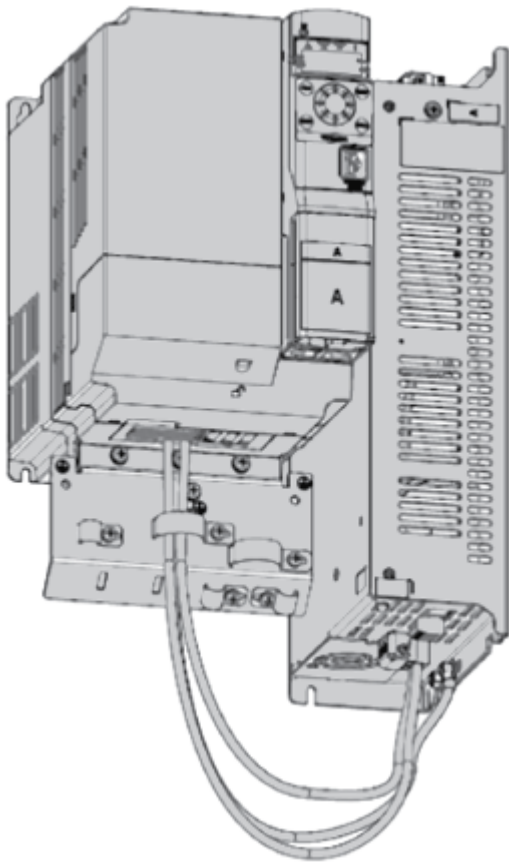


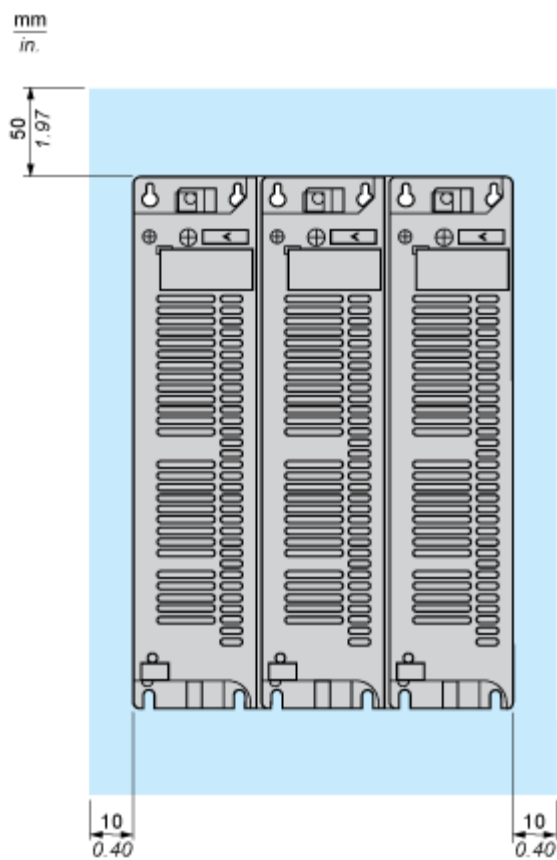
(1) : Fixing holes for ATV320



Mounting Recommendations

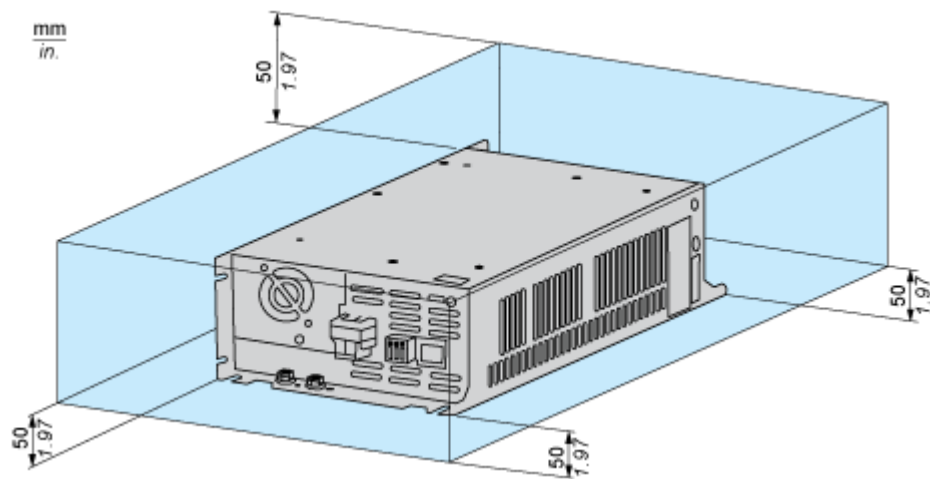
Side by Side Mounting





Mounting Recommendations

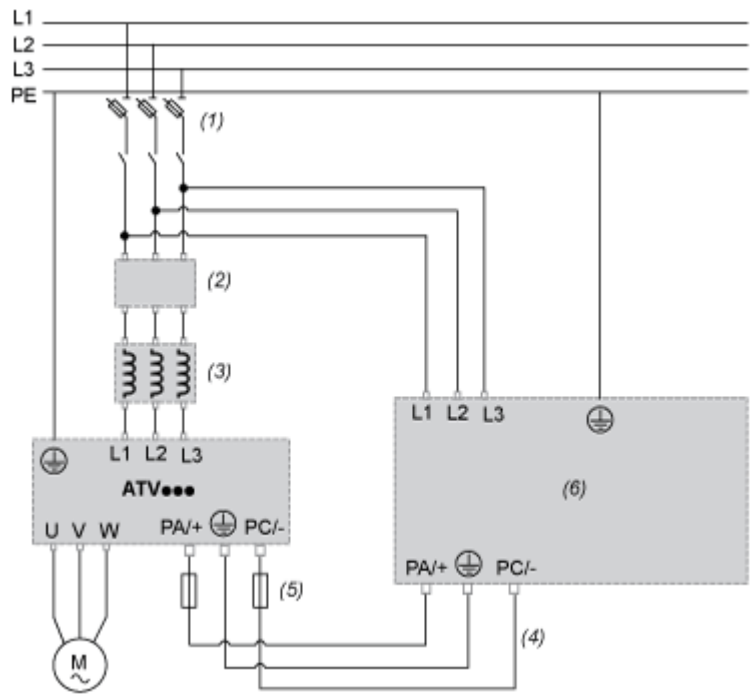
Horizontal Flat Mounting



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