

Product data sheet

Specifications



Regenerative unit, Altivar, 15kW, for Altivar variable speed drive

ATVRD15N4

Product availability: Stock - Normally stocked in distribution facility

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
Phase	3 phase
Fixing Mode	By screws
Maximum voltage drop at rated load	3 %
Electrical connection	Control removable screw terminal block 0.5...1.5 mm², 20 AWG...16 AWG bottom) Power supply removable screw terminal block 6 mm², 8 AWG top) DC bus removable screw terminal block 6 mm², 8 AWG bottom)
Input current	31.8 A 380 V AC voltage inputs continuous) 27.9 A 500 V AC voltage inputs continuous) 43.1 A 380 V AC voltage inputs transient for 60 s) 36.3 A 500 V AC voltage inputs transient for 60 s)
Input power	13.5 kW 380...500 V AC voltage inputs continuous) 20.3 kW 380...500 V AC voltage inputs transient for 60 s)
Maximum DC bus voltage	300...880 V DC
Output Current	25.9 A 380 V AC continuous) 23.2 A 500 V AC continuous) 36.5 A 380 V AC transient for 60 s) 29.7 A 500 V AC transient for 60 s)
Width	4.1 in (105 mm)
Height	15.7 in (399 mm)
Depth	9.3 in (235 mm)
Product Weight	25.4 lb(US) (11.5 kg)

Environment

Standards	IEC 61800-3 IEC 61800-5-1
Product Certifications	cUL

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Ambient air temperature for operation	14...122 °F (-10...50 °C) without derating 122...140 °F (50...60 °C) with derating factor
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Operating altitude	<= 3280.84 ft (1000 m) without derating 3280.84...9842.52 ft (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 IEC 60721-3-3 Dust pollution resistance class 3S2 IEC 60721-3-3
Pollution degree	2 IEC 61800-5-1

Ordering and shipping details

Category	US1CP4B22184
Discount Schedule	CP4B
GTIN	3606481144225
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	8.268 in (21.000 cm)
Package 1 Width	12.598 in (32.000 cm)
Package 1 Length	24.016 in (61.000 cm)
Package weight(Lbs)	29.906 lb(US) (13.565 kg)
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Height	29.528 in (75.000 cm)
Package 2 Width	23.622 in (60.000 cm)
Package 2 Length	31.496 in (80.000 cm)
Package 2 Weight	148.283 lb(US) (67.260 kg)

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	5 869 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	103 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	5 730 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	31 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	3cdc8ab3-8fe3-443c-ac80-3723e2a86fb2
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
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 www.P65Warnings.ca.gov

Use Longer



Lifetime extension

Repair	No
--------	----

Use Again



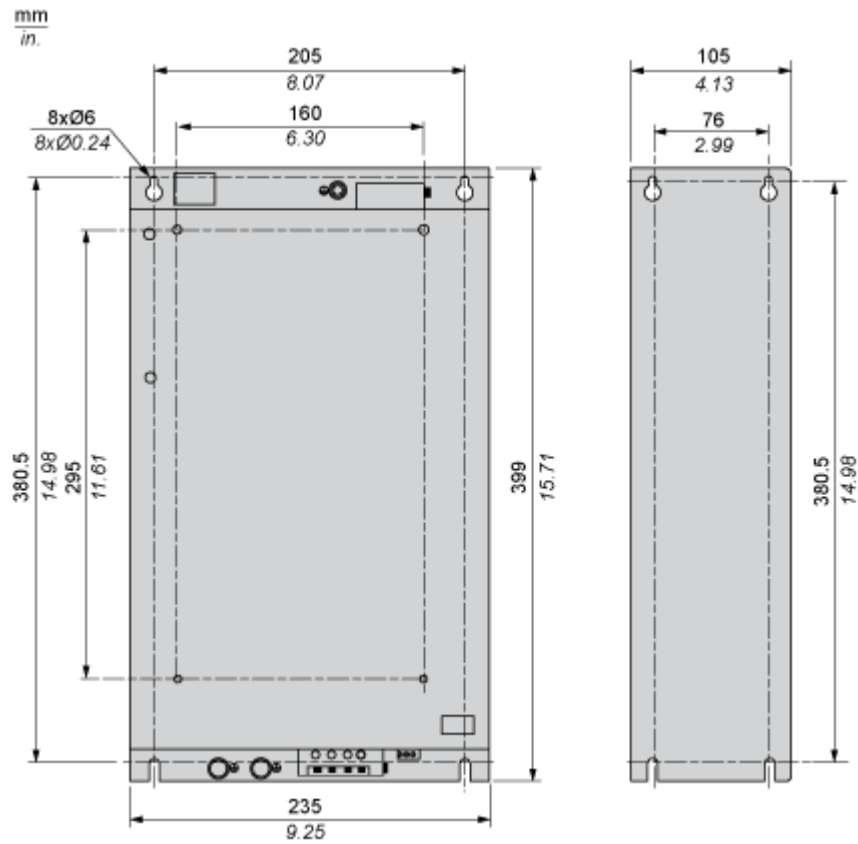
Repack and remanufacture

Recyclability potential, in %	91
Circularity Profile	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.

Dimensions Drawings

Dimensions

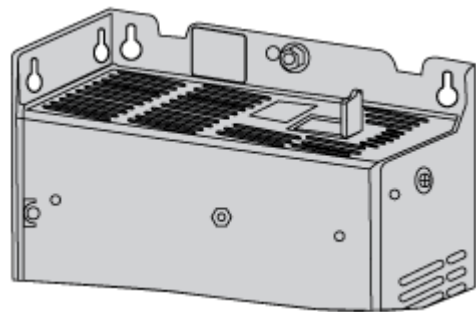
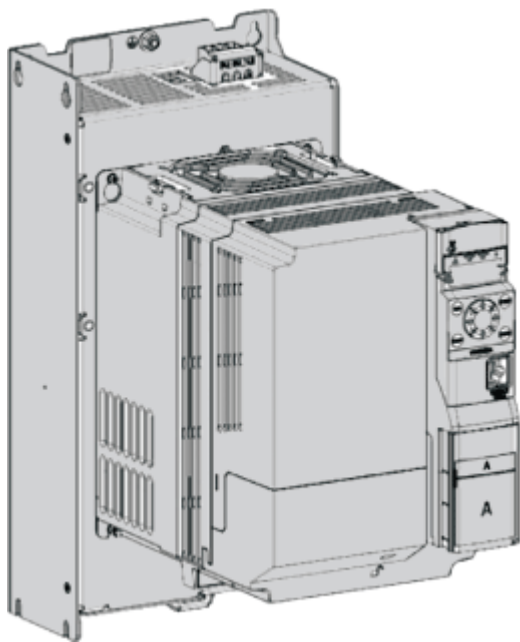
Front and Side Views

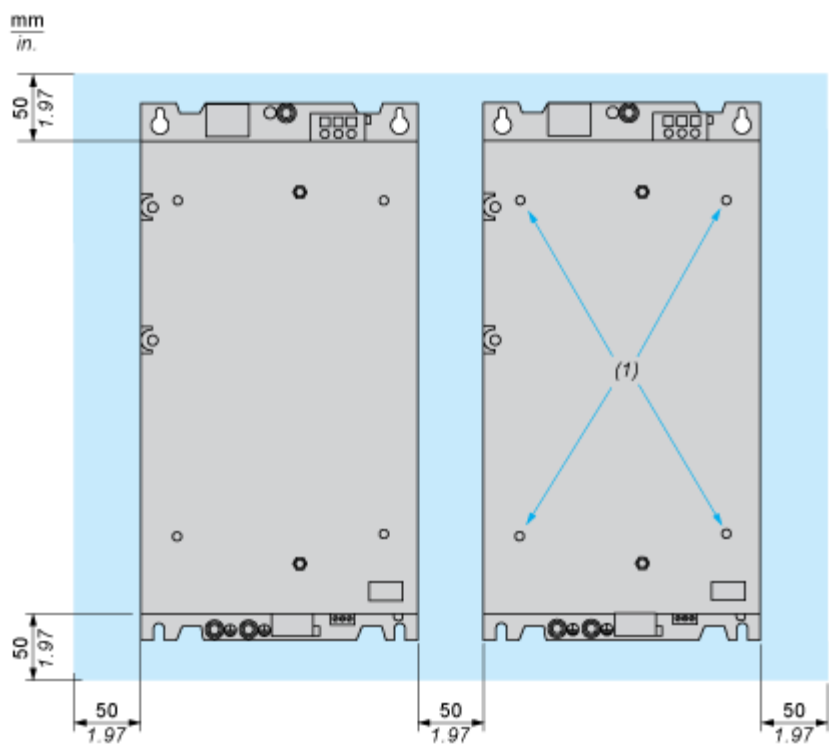


Mounting and Clearance

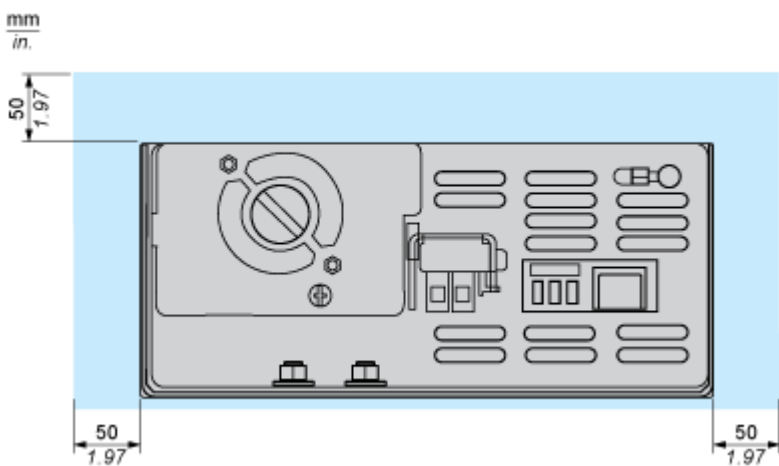
Mounting Recommendations

Vertical Flat Mounting



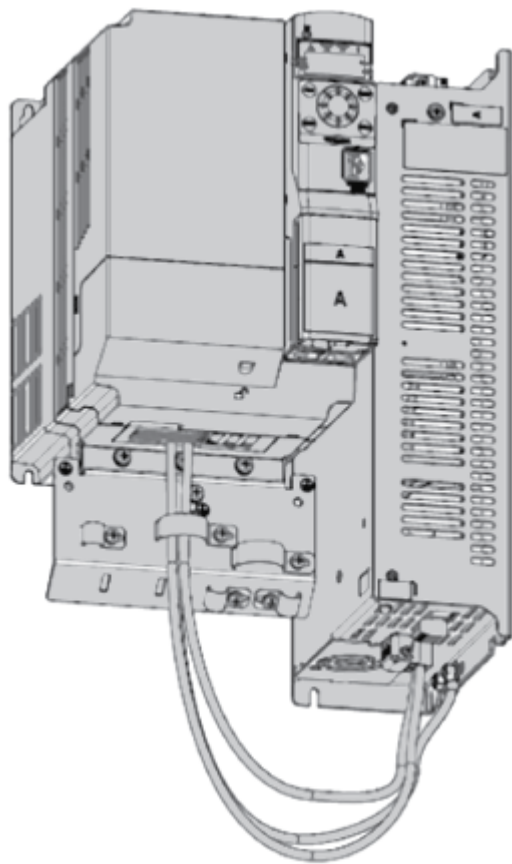


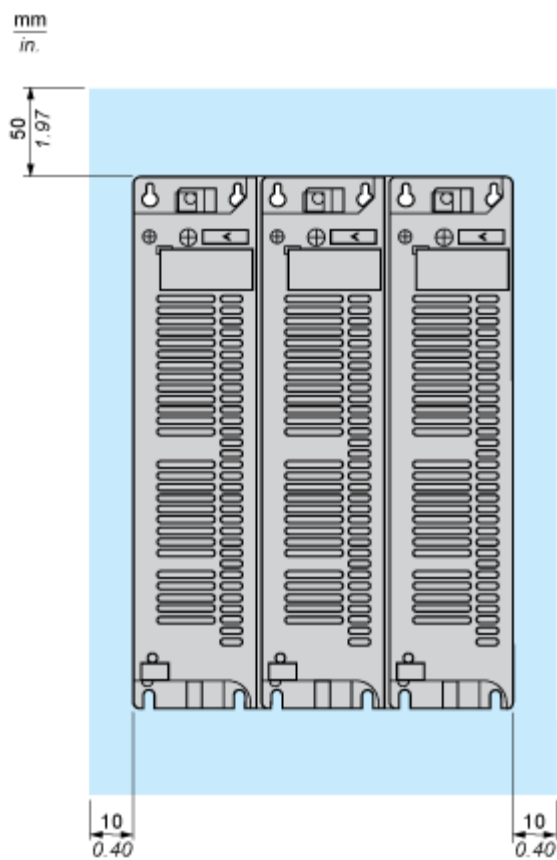
(1) : Fixing holes for ATV320



Mounting Recommendations

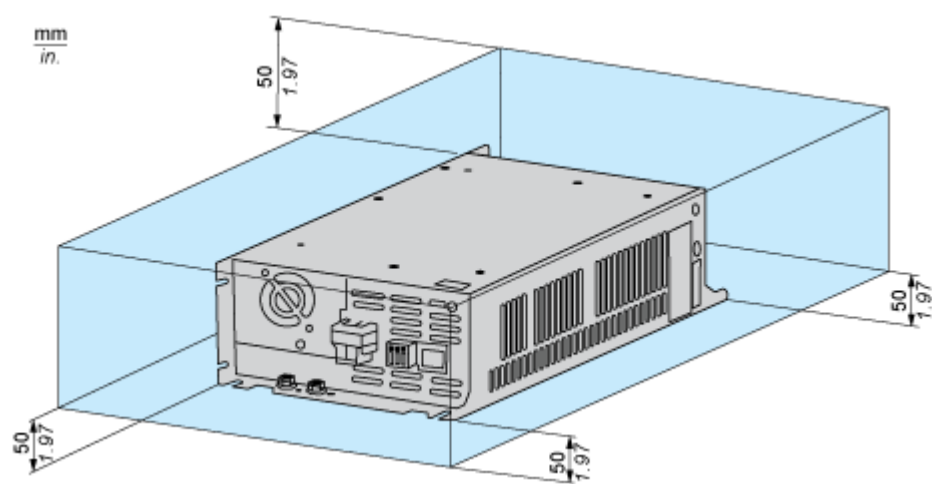
Side by Side Mounting





Mounting Recommendations

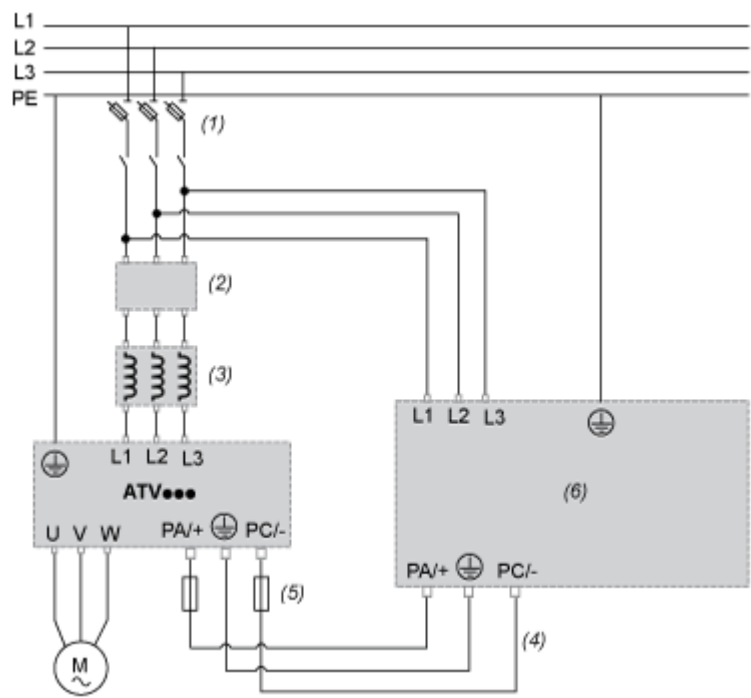
Horizontal Flat Mounting



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