

# Product data sheet

Specifications



braking unit, Altivar, 100kW,  
400/480V, for variable speed drive

VW3A7105

Product availability: Non-Stock - Not normally stocked in  
distribution facility

Price\*: 3,780.00 USD

## Main

Range Compatibility	Altivar Process ATV900
Product compatibility	Variable speed drive ATV930 without braking chopper 110 kW 380...480 V Variable speed drive ATV930 without braking chopper 130 kW 380...480 V Variable speed drive ATV930 without braking chopper 160 kW 380...480 V
Thermal losses	400 W
Minimum resistor value to associate	2.5 Ohm
Protection type	Integrated thermal protection thermal probe

## Complementary

Maximum braking power	160 kW
Permanent braking power	100 kW at constant power and at engage threshold)
Load factor	0.05 320 kW at constant power and at engage threshold 0.15 250 kW at constant power and at engage threshold 0.5 200 kW at constant power and at engage threshold 1 160 kW at constant power and at engage threshold
Activation threshold	780 V DC +/- 1 %
Maximum DC bus voltage	850 V
Width	8.5 in (216 mm)
Height	25.9 in (658 mm)
Depth	11.9 in (303 mm)
Net Weight	37.5 lb(US) (17 kg)
Volume of cooling air	43853.3 Gal/hr(US) (166 m3/h)
Operating position	Vertical +/- 10 degree
Mechanical robustness	Vibrations class 3M4 IEC 60721-3-3

## Environment

IP degree of protection	IP20 IP21 on top)
Operating altitude	<= 3280.84 ft (1000 m) without derating 3280.84...13123.36 ft (1000...4000 m) with current derating 1 % per 100 m
Ambient Air Temperature for Operation	14...122 °F (-10...50 °C)
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)

## Ordering and shipping details

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

Category	US1CP4E22278
Discount Schedule	CP4E
GTIN	3606485435824
Returnability	No
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.039 in (25.500 cm)
Package 1 Width	18.504 in (47.000 cm)
Package 1 Length	27.953 in (71.000 cm)
Package 1 Weight	59.525 lb(US) (27.000 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-CO<sub>2</sub> 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 >](#)

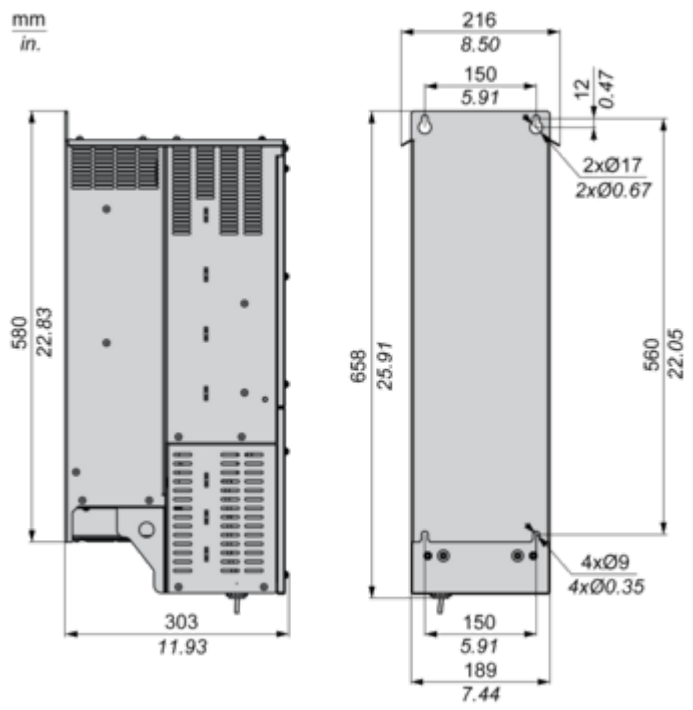
## Well-being performance

	Reach Free Of Svhc	
	Toxic Heavy Metal Free	
	Mercury Free	
	Rohs Exemption Information	Yes
Reach Regulation		<a href="#">REACH Declaration</a>
Eu Rohs Directive		Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
China Rohs Regulation		<a href="#">China RoHS 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>

Dimensions Drawings

Dimensions

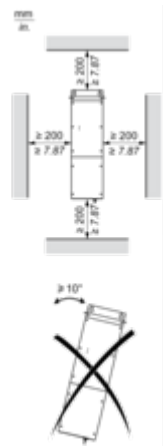
Left Side and Rear View



Mounting and Clearance

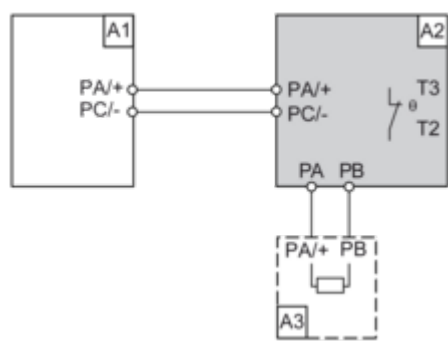
Mounting and Clearance

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Connections and Schema

Recommended Schema



- A1 : Drive
- A2 : Braking unit
- A3 : Braking resistor
- PA, PB, PC : DC Bus
- T2, T3 : Thermal relay