



Main

Product or component type	Resistance braking unit
Range compatibility	Altivar Process ATV900
Maximum braking power	80 kW
Product compatibility	Variable speed drive ATV930 without braking chopper 55 kW 200...240 V Variable speed drive ATV930 without braking chopper 75 kW 200...240 V
Thermal losses	400 W
Activation threshold	395 V DC +/- 1 %
Permanent braking power	60 kW (at constant power and at engage threshold)
Protection type	Integrated thermal protection by thermal probe
Minimum resistor value to associate	1.4 Ohm

Complementary

Electrical connection	Cable, connection capacity: 3 x 120 mm², 3 x 250 kcmil <= 5 m between drive and braking unit Cable, connection capacity: 3 x 120 mm², 3 x 250 kcmil <= 10 m between braking unit and braking resistors
Maximum DC bus voltage	450 V
Load factor	0.05 for 150 kW at constant power and at engage threshold 0.15 for 120 kW at constant power and at engage threshold 0.5 for 95 kW at constant power and at engage threshold 1 for 75 kW at constant power and at engage threshold
Cycle time	<= 240 s
Volume of cooling air	43853.35 Gal/hr(US) (166 m³/h)
Operating position	Vertical +/- 10 degree
Mechanical robustness	Vibrations class 3M4 conforming to IEC 60721-3-3
Product weight	34.17 lb(US) (15.5 kg)
Width	8.5 in (216 mm)
Height	25.91 in (658 mm)
Depth	11.93 in (303 mm)

Environment

ambient air temperature for operation	14...122 °F (-10...50 °C)
ambient air temperature for storage	-40...158 °F (-40...70 °C)
IP degree of protection	IP20 IP21 on top
environmental characteristic	Chemical pollution resistance class 3C3 conforming to IEC 60721-3-3 Dust pollution resistance class 3S3 conforming to IEC 60721-3-3 Humidity resistant class 3K3 conforming to IEC 60721-3-3
relative humidity	5...95 % without condensation
operating altitude	<= 3280.84 ft (1000 m) without derating 1000...4000 m with current derating 1 % per 100 m

Offer Sustainability

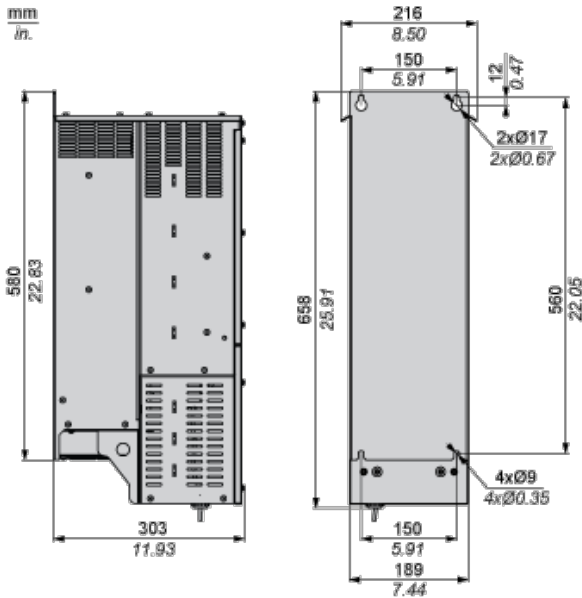
Not Green Premium product	Not Green Premium product
Compliant - since 1545 - Schneider Electric declaration of conformity	Compliant - since 1545 - Schneider Electric declaration of conformity
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:

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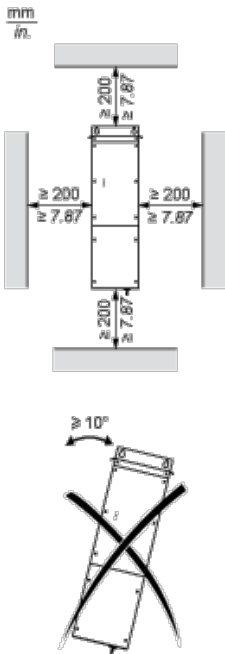
Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm.	Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm.
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov

Dimensions

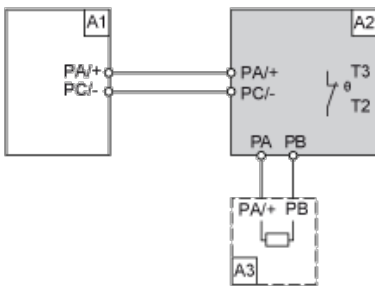
Left Side and Rear View



Mounting and Clearance



Recommended Schema



A1 : Drive

A2 : Braking unit

A3 : Braking resistor

PA, DC Bus

PB,

PC :

T2, Thermal relay

T3 :