

ATV cabinets



Main

Product or component type	Resistance braking unit ATV61 Resistance braking unit ATV71
Range compatibility	Altivar 71 Altivar 61Q Altivar 71Q Altivar 61
Maximum braking power	450 kW
Product compatibility	ATV61HC25Y ATV61HC31Y ATV61HC40Y ATV61QC25Y ATV61QC31Y ATV61QC40Y ATV71HC20Y ATV71HC25Y ATV71HC31Y ATV71QC20Y ATV71QC25Y ATV71QC31Y
Thermal losses	650 W
Activation threshold	1075 V DC +/- 1 %
Permanent braking power	300 kW at 690 V (at constant power and at engage threshold)
Protection type	Integrated thermal protection by thermal probe
Minimum resistor value to associate	2 Ohm

Complementary

Electrical connection	Cable, connection capacity: 2 x 150 mm ² <1 m between drive and braking unit Cable, connection capacity: 2 x 150 mm ² <50 m between braking unit and braking resistors
Maximum DC bus voltage	1100 V
Load factor	0.05 for 450 kW at constant power and at engage threshold 0.15 for 400 kW at constant power and at engage threshold 0.5 for 350 kW at constant power and at engage threshold
Maximum cycle time	140000 ms
Volume of cooling air	600 m ³ /h
Operating position	Vertical
Net weight	80 kg

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

Environment

Ambient air temperature for operation	-10...50 °C
Ambient air temperature for storage	-25...70 °C
IP degree of protection	IP20
Pollution degree	2 conforming to EN 50178
Environmental characteristic	Humidity resistant class 3K3 conforming to IEC 60721-3-3
Operating altitude	<= 1000 m without 1000...2260 m 1 % per 100 m
Vibration resistance	0.2 gn

Offer Sustainability

EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration

Contractual warranty

Warranty	18 months
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