

ATV cabinets



Main

Product or component type	Resistance braking unit ATV61 Resistance braking unit ATV71 Resistance braking unit ATV930
Range compatibility	Altivar 61Q Altivar 71Q Altivar 71 Altivar 61 Altivar Process ATV900
Maximum braking power	420 kW
Product compatibility	ATV61HC25N4 ATV61HC31N4 ATV61QC20N4 ATV61QC25N4 ATV61QC31N4 ATV71HC20N4 ATV71HC25N4 ATV71HC28N4 ATV71QC16N4 ATV71QC20N4 ATV71QC25N4 Variable speed drive ATV930 without braking chopper 250 kW 380...480 V Variable speed drive ATV930 without braking chopper 315 kW 380...480 V
Thermal losses	550 W
Activation threshold	785 V DC +/- 1 %
Permanent braking power	200 kW at 400 V (at constant power and at engage threshold)
Protection type	Integrated thermal protection by thermal probe
Minimum resistor value to associate	1.05 Ohm

Complementary

Electrical connection	Cable between drive and braking unit Cable, connection capacity: 2 x 95 mm ² between braking unit and braking resistors
Maximum DC bus voltage	850 V
Load factor	0.05 for 420 kW at constant power and at engage threshold 0.15 for 320 kW at constant power and at engage threshold 0.5 for 250 kW at constant power and at engage threshold
Maximum cycle time	240 ms
Volume of cooling air	100 m ³ /h
Operating position	Vertical

Net weight	30 kg
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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	Biological pollution resistance class 3B1 conforming to IEC 60721-3-3 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
Operating altitude	2000 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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