Product data sheet
Characteristics

VW3A7101
resistance braking unit, 200kW, 400V, for variable speed drive



Main

Range compatibility	Altivar 61Q Altivar 71Q Altivar 71 Altivar 61 Altivar Process ATV900
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
Minimum resistor value to associate	1.05 Ohm
Protection type	Integrated thermal protection by thermal probe

Complementary

Maximum braking power	420 KW
Permanent braking power	200 KW at 400 V (at constant power and at engage threshold)
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
Activation threshold	785 V DC +/- 1 %
Maximum DC bus voltage	850 V
Net weight	30 Kg
Volume of cooling air	100 M3/H
Operating position	Vertical

Environment

IP degree of protection	IP20
Operating altitude	2000 m
Ambient air temperature for operation	-10…50 °C
Ambient air temperature for storage	-25…70 °C
Pollution degree	2 conforming to EN 50178
Vibration resistance	0.2 gn

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	37.000 Cm
Package 1 Width	110.000 Cm
Package 1 Length	49.000 Cm
Package 1 Weight	46.500 Kg

Offer Sustainability

Recyclability potential, in %	75
Total lifecycle Carbon footprint	323 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	252.04
Carbon footprint of the manufacturing phase [A1 to A3]	252 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	6.1931
Carbon footprint of the distribution phase [A4]	6 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.98159
Carbon footprint of the installation phase [A5]	1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	51.72
Carbon footprint of the use phase [B2, B3, B4, B6]	52 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	12.489
Carbon footprint of the end-of-life phase [C1 to C4]	12 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	323
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	6ae1b3ec-5312-4bb9-97ce-ee6aa2b64180
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
End of life manual availability	No need of specific recycling operations
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised