Product data sheet
Characteristics

VW3A7105
braking unit, Altivar, 100kW, 400/480V, for variable speed drive



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 by thermal probe

Complementary

Maximum braking power	160 KW
Permanent braking power	100 KW (at constant power and at engage threshold)
Load factor	0.05 for 320 kW at constant power and at engage threshold 0.15 for 250 kW at constant power and at engage threshold 0.5 for 200 kW at constant power and at engage threshold 1 for 160 kW at constant power and at engage threshold
Activation threshold	780 V DC +/- 1 %
Maximum DC bus voltage	850 V
Width	216 Mm
Height	658 Mm
Depth	303 Mm
Net weight	17 Kg
Volume of cooling air	166 M3/H
Operating position	Vertical +/- 10 degree
Mechanical robustness	Vibrations class 3M4 conforming to IEC 60721-3-3

Environment

IP degree of protection	IP20 IP21 (on top)
Operating altitude	<= 1000 m without derating 1000...4000 m with current derating 1 % per 100 m
Ambient air temperature for operation	-10…50 °C
Ambient air temperature for storage	-40…70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	61.000 Cm
Package 1 Width	60.000 Cm
Package 1 Length	80.000 Cm
Package 1 Weight	42.000 Kg

Offer Sustainability

Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	No
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised