Product data sheet
Characteristics

ATVRU75N4
Regenerative unit, Altivar, 7,5kW, for Altivar variable speed drive



Main

Range of product	Altivar
Range compatibility	Altivar Machine ATV340 Altivar Process ATV900 Altivar Machine ATV320
Product or component type	Power module
Device application	Energy regeneration
[Us] rated supply voltage	380...500 V - 15...10 %
[Ue] rated operational voltage	456...778 V DC
Rated power in W	6.8 KW

Complementary

Network frequency	45...65 Hz
Network number of phases	3 phases
Fixing mode	By screws
Maximum voltage drop at rated load	3 %
Electrical connection	Control: removable screw terminal block: 0.5...1.5 mm², 20 AWG...16 AWG (bottom) Power supply: removable screw terminal block: 2.5...4 mm², 12 AWG...10 AWG (top) DC bus: removable screw terminal block: 2.5...4 mm², 12 AWG...10 AWG (bottom)
Input current	16.5 A at 380 V AC for voltage inputs (continuous) 14.5 A at 500 V AC for voltage inputs (continuous) 22.9 A at 380 V AC for voltage inputs (transient for 60 s) 19.1 A at 500 V AC for voltage inputs (transient for 60 s)
Input power	6.8 KW at 380...500 V AC for voltage inputs (continuous) 10.2 KW at 380...500 V AC for voltage inputs (transient for 60 s)
Maximum DC bus voltage	300...880 V DC
Output current	13.4 A at 380 V AC (continuous) 11.9 A at 500 V AC (continuous) 18.4 A at 380 V AC (transient for 60 s) 15.4 A at 500 V AC (transient for 60 s)
Width	80 Mm
Height	337 Mm
Depth	175 Mm
Net weight	6 Kg

Environment

Standards	IEC 61800-5-1 IEC 61800-3
Product certifications	cUL
Ambient air temperature for operation	-10…50 °C without derating 50…60 °C with derating factor
Ambient air temperature for storage	-40…70 °C
Operating altitude	<= 1000 m without derating 1000...3000 m with power derating 1 % per 100 m
Operating position	Vertical or horizontal position
Type of cooling	Fan
Environmental characteristic	Chemical pollution resistance class 3C3 conforming to IEC 60721-3-3 Dust pollution resistance class 3S2 conforming to IEC 60721-3-3
Pollution degree	2 conforming to IEC 61800-5-1

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	19.300 Cm
Package 1 Width	25.500 Cm
Package 1 Length	51.500 Cm
Package 1 Weight	7.510 Kg
Unit Type of Package 2	S06
Number of Units in Package 2	6
Package 2 Height	75.000 Cm
Package 2 Width	60.000 Cm
Package 2 Length	80.000 Cm
Package 2 Weight	58.060 Kg

Offer Sustainability

Recyclability potential, in %	91
Total lifecycle Carbon footprint	5 312 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	64.69893199917509
Carbon footprint of the manufacturing phase [A1 to A3]	65 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	1.524676564041889
Carbon footprint of the distribution phase [A4]	2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	1.96906232873906
Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	5227.671209903749
Carbon footprint of the use phase [B2, B3, B4, B6]	5 228 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	15.99653778850069
Carbon footprint of the end-of-life phase [C1 to C4]	16 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	5312
Average percentage of ASI certified metals	94 %
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	A0d7d417-3a7b-4c37-b617-847488ea9776
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	End Of Life Information

Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised