Product Environmental Profile

ATV320 7,5kW 400V 3ph with vario IP65

Altivar Machine ATV320







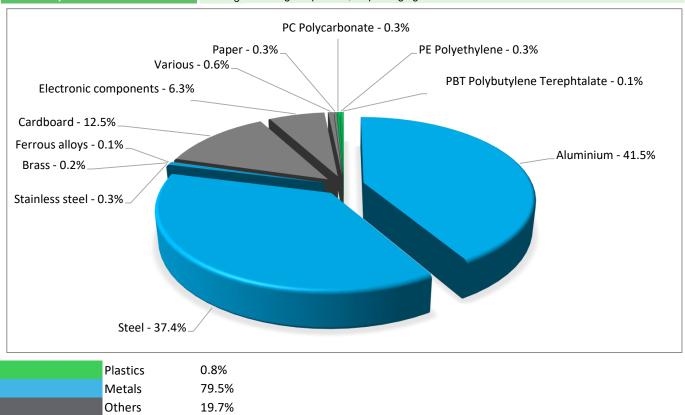
ENVPEP1908005_V1-EN 5/2020

Representative product	ATV320 7,5kW 400V 3ph with vario IP65 - ATV320U75N4WS				
Description of the product	The Altivar Machine ATV320 IP65 drive is a variable speed for three-phase asynchronous and synchronous motors. It can control the speed and torque of an electric motor for general application				
Description of the range	range name: Altivar Machine ATV320 The technical criteria of the range is as follows: -IP66 drive without Vario and IP65 drive with Vario -Product specific application: Complex machines -Synchronous motors -Asynchronous motors -Voltage: 380500 V -Range power kW: 7.511 kW at 380500 V, 3 phases (based on load duty) -Range phase ATV320 - 5.5kW - 7.5kW 3PH 400V COMPACT CONTROL The environmental impacts of this referenced product are representative of the impacts of the other products of the range which are developed with a similar technology.				
Functional unit	To control the speed and torque of an synchronous electric motor for general application during 10 years and a 46% use rate, in accordance with the relevant standards. IP degree of protection: IP65 conforming to EN/IEC 61800-5-1 rated supply voltage:380500 V motor power kW:7.5 kW for heavy duty motor power hp:10 hp for heavy duty line current:26.5 A at 380 V for heavy duty and 18.7 A at 500 V for heavy duty				

Constituent materials

Reference product mass

26200 g including the product, its packaging and additional elements and accessories



5/2020 ENVPEP1908005_V1-EN

Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 8 June 2011 and EU 2015/863) and do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers – PBDE, Bis(2-ethylhexyl) phthalate -DEHP, Butyl benzyl phthalate -BBP, Dibutyl phthalate – DBP, Diisobutyl phthalate - DIBP) as mentioned in the Directive

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page

Additional environmental information								
_ ~							spects	
Manufactured at a Schneider Electric production site ISO14001 certified								
Weight and volume of the packaging optimized, based on the European Union's packaging directive								
Packaging weight is 3500 g, consisting of cardboard (98.03%), Paper (1.97%)								
Products in this range do not require any installation operations.								
The product does not require special maintenance operations.								
End of life optimized to decrease the amount of waste and allow recovery of the product components and materials								
This product contains Electronic card (445.48g)(it contains Communication PCBA 104.24g, Power PCBA 341.24g) Electronia capacitor(6.83g) Cable (1385.64g) Dismantled parts(PC 60.32g, Heatsink 11389.40g, Steel parts 10221.43g) that should be separated from the stream of waste so as to optimize end-of-life treatment.								
The location of these components and other recommendations are given in the End of Life Instruction document which is available on the Schneider-Electric Green Premium website						ment which		
http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page						ge		
Recyclab	Based on "ECO'DEEE recyclability and recoverability calculation method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).							
time	10 years							
Other equipments - Active product								
tion elements No special components needed								
ments	No special compo							
ments io	No special compo The product is in a time with a power	nents needed active mode 4	l 6% of the tim	e with a power	use of 308.4\	N and in star	nd-by mode	54% of the
	The product is in a	nents needed active mode 4	l 6% of the tim	e with a power	use of 308.4\	N and in star	nd-by mode	54% of the
io	The product is in a time with a power	nents needed active mode 4 use of 0.0W, ne ATV320 IP	I 6% of the tim for 10 years. 265 drive is a	variable speed	for three-phas	se asynchron		
io cal eness	The product is in a time with a power Worldwide The Altivar Machin	nents needed active mode 4 use of 0.0W, ne ATV320 IP ttrol the speed	6% of the tim for 10 years. 65 drive is a I and torque o	variable speed	for three-phas	se asynchron al application	ous and syr	
io cal eness	The product is in a time with a power Worldwide The Altivar Machine motors. It can con	nents needed active mode 4 use of 0.0W, ne ATV320 IP trol the speed uring	6% of the tim for 10 years. 65 drive is a l and torque of Inst	variable speed of an electric mo	for three-phasotor for genera	se asynchron al application se Mix; AC; ion mix, at	End Electricity consumpt consumer;	nchronous
cal eness cal eness used	The product is in a time with a power Worldwide The Altivar Machimotors. It can con	nents needed active mode 4 use of 0.0W, ne ATV320 IP strol the speed uring	6% of the tim for 10 years. 65 drive is a l and torque of Instantic Electrici consump consumer;	variable speed of an electric mo allation ty Mix; AC; otion mix, at	for three-phasotor for general Us Electricity consumpticonsumer; <	se asynchron al application se Mix; AC; on mix, at 1kV; EU-27	End of Electricity consumer;	of life y Mix; AC; ion mix, at < 1kV; EU-
cal eness cal eness used	The product is in a time with a power Worldwide The Altivar Machimotors. It can con Manufact Energy model use	nents needed active mode 4 use of 0.0W, ne ATV320 IP strol the speed uring	6% of the tim for 10 years. 65 drive is a l and torque of Instantic Electrici consump consumer;	variable speed of an electric mo allation ty Mix; AC; otion mix, at < 1kV; EU-27	for three-phasotor for general Us Electricity consumpticonsumer; <	se asynchron al application se Mix; AC; on mix, at 1kV; EU-27	End of Electricity consumer;	of life y Mix; AC; ion mix, at < 1kV; EU-
cal eness cal eness used	The product is in a time with a power Worldwide The Altivar Machimotors. It can con Manufact Energy model use	nents needed active mode 4 use of 0.0W, ne ATV320 IP strol the speed uring	6% of the tim for 10 years. 65 drive is a land torque of linstance consumptions and torque of the consumer;	variable speed of an electric mo allation ty Mix; AC; otion mix, at < 1kV; EU-27	for three-phas otor for genera Us Electricity consumpti consumer; <	se asynchron al application se Mix; AC; ion mix, at 1kV; EU-27	End ous and syn End of Electricity consumpt consumer;	of life y Mix; AC; ion mix, at < 1kV; EU-
io cal chess cal chess used Compulso I resources and water	The product is in a time with a power Worldwide The Altivar Machin motors. It can con Manufact Energy model use ry indicators depletion acidification	enents needed active mode 4 use of 0.0W, ne ATV320 IP strol the speed uring ed: Indonesia Unit kg Sb eq kg SO ₂ eq	6% of the tim for 10 years. 65 drive is a d and torque of Insti- Electricic consump consumer; ATV320 7,5kV	variable speed of an electric mo allation ty Mix; AC; otion mix, at < 1kV; EU-27 V 400V 3ph with Manufacturing	for three-phase tor for general Use Electricity consumpticonsumer; < vario IP65 - AT Distribution	se asynchron al application se Mix; AC; fon mix, at 1kV; EU-27	End ous and syn End of Electricity consumpt consumer; 2	of life / Mix; AC; ion mix, at < 1kV; EU- 27
cal chess cal chess used Compulso	The product is in a time with a power Worldwide The Altivar Machin motors. It can con Manufact Energy model use ry indicators depletion acidification	active mode 4 use of 0.0W, ne ATV320 IP strol the speed uring ed: Indonesia Unit kg Sb eq	6% of the tim for 10 years. 65 drive is a d and torque of Instantia Electrici consumptions consumer; ATV320 7,5kV Total 6.37E-03	variable speed of an electric mo allation ty Mix; AC; otion mix, at < 1kV; EU-27 V 400V 3ph with Manufacturing 6.04E-03	for three-phase otor for general Use Electricity consumptic consumer; < vario IP65 - AT Distribution 0*	se asynchron al application se Mix; AC; on mix, at 1kV; EU-27 V320U75N4W Installation 0*	End Electricity consumpt consumer; 2//S Use 3.30E-04	of life y Mix; AC; ion mix, at < 1kV; EU- 27 End of Life 0*
	e ATV320 Manufac Weight a Packagir Products The prod End of lif This prod Electroni Cable (1: Dismantl that sho The loca is availab http://ww Recyclab	Manufactured at a Schneide Weight and volume of the packaging weight is 3500 g Products in this range do not the product does not required an end of life optimized to december the product contains Elect Electronia capacitor (6.83g) Cable (1385.64g) Dismantled parts (PC 60.32 that should be separated from the location of these compisavailable on the Schneide http://www2.schneider-elect Recyclability potential:	Manufactured at a Schneider Electric pro Weight and volume of the packaging opti Packaging weight is 3500 g, consisting of Products in this range do not require any The product does not require special mai End of life optimized to decrease the amo This product contains Electronic card (44 Electronia capacitor(6.83g) Cable (1385.64g) Dismantled parts(PC 60.32g, Heatsink 17 that should be separated from the stream The location of these components and ot is available on the Schneider-Electric Gre http://www2.schneider-electric.com/sites/ Recyclability potential: 88% Environmental	Manufactured at a Schneider Electric production site is Weight and volume of the packaging optimized, based Packaging weight is 3500 g, consisting of cardboard (9 Products in this range do not require any installation of The product does not require special maintenance open End of life optimized to decrease the amount of waste This product contains Electronic card (445.48g)(it content Electronia capacitor(6.83g) Cable (1385.64g) Dismantled parts(PC 60.32g, Heatsink 11389.40g, Stethat should be separated from the stream of waste so The location of these components and other recomme is available on the Schneider-Electric Green Premium http://www2.schneider-electric.com/sites/corporate/en/Recyclability potential: **Recyclability potential:** **Environmental impact** **Environmental impact**	Manufactured at a Schneider Electric production site ISO14001 certification which is the packaging optimized, based on the Europe Packaging weight is 3500 g, consisting of cardboard (98.03%), Paper Products in this range do not require any installation operations. The product does not require special maintenance operations. End of life optimized to decrease the amount of waste and allow reconstruction of the packaging capacitor (6.83g). Cable (1385.64g) Dismantled parts (PC 60.32g, Heatsink 11389.40g, Steel parts 10221. that should be separated from the stream of waste so as to optimize the location of these components and other recommendations are given available on the Schneider-Electric Green Premium website http://www2.schneider-electric.com/sites/corporate/en/products-service Recyclability potential: 88% Environmental impacts time 10 years	e ATV320 7,5kW 400V 3ph with vario IP65 presents the following relevent environmental impacts ATV320 7,5kW 400V 3ph with vario IP65 presents the following relevent environmental impacts Based on the European Union's packaging weight is 3500 g, consisting of cardboard (98.03%), Paper (1.97%) Products in this range do not require any installation operations. The product does not require special maintenance operations. End of life optimized to decrease the amount of waste and allow recovery of the proceed of the product contains Electronic card (445.48g)(it contains Communication PCBA 1 Electronia capacitor(6.83g) Cable (1385.64g) Dismantled parts(PC 60.32g, Heatsink 11389.40g, Steel parts 10221.43g) that should be separated from the stream of waste so as to optimize end-of-life treation of these components and other recommendations are given in the Endis available on the Schneider-Electric Green Premium website http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premased on "ECO'DEEE recyclability and recommendation in the Endis and Energy Management: ADEME). Environmental impacts time 10 years	Manufactured at a Schneider Electric production site ISO14001 certified Weight and volume of the packaging optimized, based on the European Union's packaging direct Packaging weight is 3500 g, consisting of cardboard (98.03%), Paper (1.97%) Products in this range do not require any installation operations. The product does not require special maintenance operations. End of life optimized to decrease the amount of waste and allow recovery of the product comport This product contains Electronic card (445.48g)(it contains Communication PCBA 104.24g, Pow Electronia capacitor(6.83g) Cable (1385.64g) Dismantled parts(PC 60.32g, Heatsink 11389.40g, Steel parts 10221.43g) that should be separated from the stream of waste so as to optimize end-of-life treatment. The location of these components and other recommendations are given in the End of Life Instruits available on the Schneider-Electric Green Premium website http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-pased on "ECO'DEEE recyclability and recoverability of the coverability potential: 88% Environmental impacts time 10 years	e ATV320 7,5kW 400V 3ph with vario IP65 presents the following relevent environmental aspects Manufactured at a Schneider Electric production site ISO14001 certified Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 3500 g, consisting of cardboard (98.03%), Paper (1.97%) Products in this range do not require any installation operations. The product does not require special maintenance operations. End of life optimized to decrease the amount of waste and allow recovery of the product components and m This product contains Electronic card (445.48g)(it contains Communication PCBA 104.24g, Power PCBA 34 Electronia capacitor(6.83g) Cable (1385.64g) Dismantled parts(PC 60.32g, Heatsink 11389.40g, Steel parts 10221.43g) that should be separated from the stream of waste so as to optimize end-of-life treatment. The location of these components and other recommendations are given in the End of Life Instruction docur is available on the Schneider-Electric Green Premium website http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.pag Based on "ECO'DEEE recyclability and recoverability calculation in (version V1, 20 Sep. 2008 presented to the French Agency for Envand Energy Management: ADEME). Environmental impacts time 10 years

ENVPEP1908005_V1-EN 5/2020

1.94E-05

6.20E-02

0*

1.10E-03

0*

0*

1.76E-03

2.59E+00

2.16E-07

8.31E-04

1.78E-03

2.66E+00

kg CFC11

kg C₂H₄ eq

eq

Contribution to ozone layer depletion

Contribution to photochemical oxidation



Optional indicators	ATV320 7,5kW 400V 3ph with vario IP65 - ATV320U75N4WS						
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	7.61E+04	1.27E+03	4.75E+01	0*	7.47E+04	3.13E+01
Contribution to air pollution	m³	3.29E+05	1.76E+04	1.44E+02	0*	3.11E+05	2.80E+02
Contribution to water pollution	m³	3.17E+05	1.01E+04	5.56E+02	0*	3.04E+05	1.78E+03
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	1.32E+01	1.32E+01	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	1.06E+04	7.94E+01	0*	0*	1.05E+04	0*
Total use of non-renewable primary energy resources	MJ	1.39E+05	2.79E+03	4.77E+01	0*	1.36E+05	4.09E+01
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	1.06E+04	6.80E+01	0*	0*	1.05E+04	0*
Use of renewable primary energy resources used as raw material	MJ	1.14E+01	1.14E+01	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.39E+05	2.75E+03	4.77E+01	0*	1.36E+05	4.09E+01
Use of non renewable primary energy resources used as raw material	MJ	4.58E+01	4.58E+01	0*	0*	0*	0*
Use of non renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*
Use of renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*
Waste categories	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Hazardous waste disposed	kg	7.30E+01	4.43E+01	0*	0*	0*	2.87E+01
Non hazardous waste disposed	kg	2.73E+04	2.07E+02	0*	0*	2.71E+04	0*
Radioactive waste disposed	kg	2.23E+01	1.42E-01	0*	0*	2.21E+01	0*
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	2.69E+01	2.31E+00	0*	3.48E+00	0*	2.11E+01
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	2.03E-01	0*	0*	0*	0*	2.03E-01
Exported Energy	MJ	1.10E-02	9.43E-04	0*	1.00E-02	0*	0*

ENVPEP1908005_V1-EN 5/2020

* represents less than 0.01% of the total life cycle of the reference flow

Life cycle assessment performed with EIME version EIME v5.8.1, database version 2016-11 in compliance with ISO14044.

The use phase is the life cycle phase which has the greatest impact on the majority of environmental indicators (based on compulsory indicators).

According to this environmental analysis, proportionality rules may be used to evaluate the impacts of other products of this range.

According to the EMIE result, using phase has the greatest impact on the majority of environmental indicators:

Depending on the impact analysis, the environmental indicators (without RMD) of other products in this family may be proportional extrapolated by energy consumption values

Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.

Registration number	ENVPEP1908005_V1-EN	Drafting rules	PCR-ed3-EN-2015 04 02
Date of issue	5/2020	Supplemented by	PSR-0005-ed2-EN-2016 03 29
Validity period	5 years	Information and reference documents	www.pep-ecopassport.org

Independent verification of the declaration and data

Internal X External

The elements of the present PEP cannot be compared with elements from another program.

Document in compliance with ISO 14021:2016 « Environmental labels and declarations - Self-declared environmental claims (Type II environmental labelling) »

Schneider Electric Industries SAS

Country Customer Care Center http://www.schneider-electric.com/contact

35, rue Joseph Monier

CS 30323

F- 92506 Rueil Malmaison Cedex

RCS Nanterre 954 503 439 Capital social 896 313 776 €

www.schneider-electric.com

Published by Schneider Electric

ENVPEP1908005_V1-EN © 2020 - Schneider Electric – All rights reserved

5/2020