

# Product data sheet

Specifications



## active infeed converter - 540 kW - 380...440 V

VW3A7257

 To be discontinued on: Dec 31, 2024

 To be end-of-service on: Dec 31, 2032

 To be discontinued

### Main

Device Short Name	AIC
Network Number Of Phases	3 phases
[Us] Rated Supply Voltage	380...440 V +/- 10 %
Network Frequency	50/60 Hz
Rated Power In W	540 kW
Range Compatibility	Altivar 61 Altivar 71
Product Specific Application	Energy regeneration Low harmonics Component of the Active Front End
Product Compatibility	ATV61HC50N4D 380...440 V AC with one variable speed drive ATV71HC40N4D 380...440 V AC with one variable speed drive ATV61H075N4...C63N4D DC with several variable speed drive on a common DC bus ATV71H075N4...C50N4D DC with several variable speed drive on a common DC bus ATV61EXA.C63N4...C71N4 DC with several variable speed drive on a common DC bus ATV71EXA.C50N4...C63N4 DC with several variable speed drive on a common DC bus
Assembly Style	Built-in unit
Type Of Cooling	Forced convection

### Complementary

Line Current	780 A at 400 V
Input Power	539 kW at 400 V
Continuous Output Current	815 A at 400 V
Output Voltage	650 V DC - supply: 380...400 V AC 720 V DC - supply: 440 V AC
Thermal Losses	8920 W
Max Current	1.20 x nominal current (duration = 60 s) 1.35 x nominal current (duration = 2 s)
Maximum Voltage Drop At Rated Load	<30 % at 380...400 V, <= 60 s <40 % at 440 V, <= 60 s
Communication Port Protocol	Modbus CANopen
Connector Type	1 RJ45 for Modbus Male SUB-D 9 on RJ45 for CANopen

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Option Card	Communication bridge
Operating Position	Vertical +/- 10 degree
Height	1150 mm
Width	880 mm
Depth	377 mm
Net Weight	225 kg

## Environment

Environmental Characteristic	3K3 conforming to EN/IEC 60721-3-3 3C2 conforming to EN 60721-3-3 3S2 conforming to EN 60721-3-3
Relative Humidity	0...95 %
Ambient Air Temperature For Operation	45...60 °C (with current derating of 2 % per °C) -10...45 °C
Ambient Air Temperature For Storage	-25...70 °C
Operating Altitude	<= 1000 m without derating 1000...3000 m with current derating 1 % per 100 m
Pollution Degree	2 conforming to EN 61800-5-1
Vibration Resistance	1.5 mm (f= 3...10 Hz) conforming to EN/IEC 60068-2-6 0.6 gn (f= 10...200 Hz) conforming to EN/IEC 60068-2-6
Shock Resistance	4 gn for 11 ms conforming to EN/IEC 60721-3-3
Air Flow Surface	1500 cm²
Volume Of Cooling Air	1800 m3/h for power circuit 500 m3/h for control circuit
Ip Degree Of Protection	IP00
Standards	EN/IEC 61800-5-1
Product Certifications	CE UL (pending) CSA (pending)

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	53.0 cm
Package 1 Width	92.0 cm
Package 1 Length	145.0 cm
Package 1 Weight	245.0 kg

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

## Well-being performance

 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins