

Variable speed drives

Altivar 61

Performances on tap!



For pumps and fans in building
and infrastructures



Variable torque offer for 3-phase synchronous and asynchronous
motors from 0.75 to 800 kW

Simply Smart!

Leverage **ingenuity**
and intelligence
for **ease** of use

Altivar 61

The *leading edge!*

Pumps and fans consume a great deal of energy, in particular in industrial environments and infrastructures.

With this new generation of drives, Schneider Electric has drawn upon its extensive expertise and know-how in the field of speed control to help you increase your **competitiveness**, protect your installations and reduce your maintenance costs, all while remaining environmentally-friendly.

Exceptional performance, advanced functions...whilst always keeping the emphasis on simplicity.

Open to all communication networks, applications, users....

The **Altivar 61 variable torque** offer provides ingenious solutions for all your particular requirements.

A *powerful* fleet

■ IP20, UL Type 1, 3-phase 200 to 240 V:
Altivar 61 from 0.75 to 90 kW

■ IP20, UL Type 1, 3-phase
380 to 480 V:
Altivar 61 from 0.75 to 630 kW

■ IP20, UL Type1, 3-phase
500 to 690 V:
Altivar 61 from 2.2 to 800 kW

■ IP54, UL Type 12, 3-phase 380 to 480 V:
Altivar 61 from 0.75 to 90 kW

■ EMC filters integrated class A or B.

■ Worldwide offer:
UL, CSA, CE, C-Tick, GOST, ATEX ...



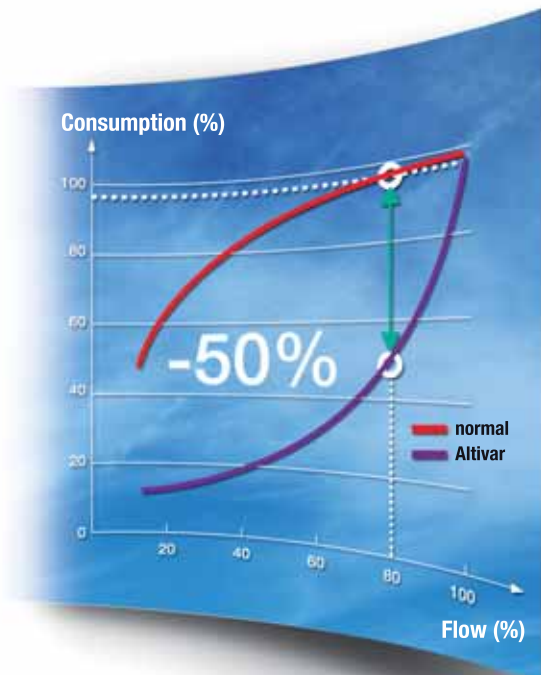
Control your *energy consumption*

■ Energy savings mean a **50% reduction** in energy consumption.

■ Controlled by a variable speed drive, motor power at 80% of nominal flux represents only 50% of nominal power in contrast with 95% for traditional control.

■ The **Altivar 61** offers a variety of control ratios:
- Quadratic ratio (Kn^2).
- Voltage/frequency ratio (2 or 5 points).
- Energy saving ratio: optimizes the energy consumed based on the load applied to the machine.

■ Reduction of current harmonics (optional DC choke, passive chokes, etc).



Expandable capabilities

Basic equipment with a wealth of features: application functions, inputs/outputs, communication networks... that can be further extended by:

- input/output extension cards.
- encoder interface cards.
- communication cards.
- Controller Inside programmable card.
- multipump cards.

Closely related *safety*

Protection at all levels

- **of the motor:** thermal protection - PTC probe or integrated electronic thermal relay, surge limitation,
- **of the machine:** Power Removal safety function (no unintended motor starting), alarm management, external fault management,
- **of the environment:** drive developed in accordance with the Eco-Design principle,
- **of the drive:** protection in the event of overheating, current limitation using hardware and software.

Easy to control...

- Graphic screen with customisable display.
- Plain text with 6 available languages (English, Chinese, German, Spanish, French and Italian) with possibility of adding other languages.
- Navigation button for easily “surfing” through the menus.
- «Simply Start» menu for quick start-up and immediate benefit of the full performance of the Altivar 61.
- Function keys for short-cuts, on-line help or configurable for some applications.
- Continuous display of the operating parameters of the motor.



Altivar 61

Evolutionary equipment

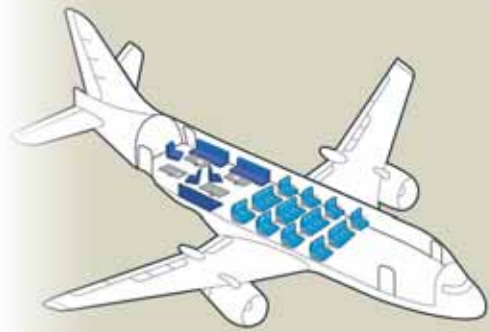
Unrivalled basic equipment

With so many functions already integrated in the **Altivar 61**, you can **reduce the cost of solutions** for your machine and start enjoying greater flexibility, improved performance and a high level of integration. The most economical solution at your fingertips, without any compromise!

More than 150 functions available

with a wide range of integrated functions for variable torque applications:

- Pump and fan macro configurations.
- Zero flow detection, flow limitation.
- Sleep/wake function.
- Smoke extraction function.
- Underload and overload detection.
- PID regulator, PID references.



Integrated Modbus and CANopen

With these two standard networks, you achieve:

- savings in cabling,
- a high data exchange transfer rate,
- direct connection to industrial automation systems.

Dialogue

The graphic terminal can be multipoint connected to several drives. Economical, the **Altivar 61** is also available with a 7-segment display for ratings up to 75 kW.

EMC mastered

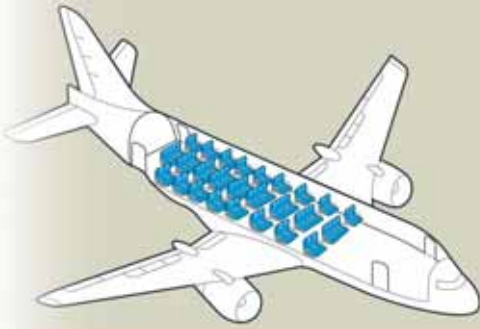
Incorporating level A conducted and radiated EMC filters, the **Altivar 61** simplifies installation and establishes conformity of the machines for CE marking, without additional costs.



“Power Removal” safety function

Conforming to the machine standard EN 954-1 category 3 and the standard for electrical installations IEC/EN 61508 SIL2, and certified by a competent body (INERIS), it enables:

- machine certification without difficulty,
- elimination of electromechanical redundancies,
- reduced cabling and installation times,
- savings in space in enclosures.
- the use of the Altivar 61 drive with ATEX motor.



Modular configuration

You require additional inputs/outputs, a particular communication network....

All you have to do is select up to 3 cards from those available. By sizing the **Altivar 61** yourself, you benefit from both **simplified integration** in your automation system and **optimised costs**.



■ **Input/output extension** cards:

logic inputs, open collector outputs, relays, PTC probe input, analogue inputs, analogue outputs, pulse input.

■ **Communication** cards:

Fipio, Ethernet, Modbus Plus, PROFIBUS DP, DeviceNet, Uni-Telway, INTERBUS, LONWorks, Metasys N2, Apogee P1, BACnet, for connection to the main communication networks available on the market.



■ **Controller Inside** programmable card:

Integration of programmes in the drive for decentralisation of the machine automation systems.

■ **Multipump** cards.

Altivar 61

The *Ace* at piloting

The **Altivar 61**, easily adapts its drive performance...
Whatever your choice of automation system solution, it always provides excellent efficiency for **improved productivity...**
Access to the means of command, information or to actuators is direct, with complete **transparency**.

Automatic piloting

The **Controller Inside** programmable card transforms the **Altivar** into a true **automation island**.

- It incorporates **automation functions** appropriate to your profession.
- Its CANopen master network enables **control of other drives** (**Altivar 31**, **Altivar 61** or **Altivar 71**) and the exchange of any data.
- This card has **its own inputs/outputs** and access to those of the **Altivar**.
- The display functions of the graphic terminal are kept for **information and configuration**.
- **Supervision** is available via Ethernet, Modbus (or an alternative communication network).

Semi-automatic piloting

One group of commands is issued by a **programmable controller**, the other by the **operator**.

- The source of commands such as start/stop instructions, references, etc. can be separated. You benefit from **quick reaction times** due to direct processing of information by the drive.
- The switching of these channels enables **adaptation of the piloting to**
- **The operating phase**: setting-up, operation or maintenance.
- The control of the drive conforms to the protocol standards in use.
- Using the I/O mode, the networks are accessible to all: the **Altivar** is controlled in the same way as cabled logic.
- The possibility to supply the control with an external 24 V DC makes **diagnostics always available**.



Manual piloting

Commands are issued directly by the **operator** via a joystick, pushbuttons, switches or using the **graphic terminal**.

- The numerous **inputs/outputs** enable all the commands and information to be received.
- Commands can also be issued via the **graphic terminal**: start/stop instruction, speed reference, torque reference, PID reference, etc.
- The function keys of the terminal can be **assigned** to the preset speeds or PID references, +speed / -speed, channel switching, etc.
- On a channel switching, the instructions can be duplicated so as not to disturb the operation of the Altivar.



The 3 piloting modes can be combined



All locations

In enclosure

- Savings in space assured, with an IP20 degree of protection: reduced width of drive, side by side mounting...
- Reduction of heat dissipation inside the enclosure by installing the heatsink outside (degree of protection IP54).

On a wall

- Simple installation using mounting kit (protection degree IP21 or UL Type 1).
- **Altivar 61** in IP54 version

In severe environments

- Resistance assured with **Altivar 61**, conforming to category 3C2 of IEC 721-3-3.



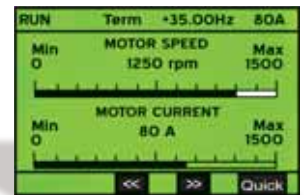
Altivar 61

Messages *received 10/10...*

The Altivar 61 is professional of the communication. its messages are clear, precise, illustrated... and the dialogue is also performed according to the requirements of the interlocutor.

Clarity

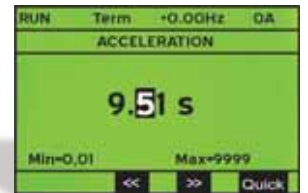
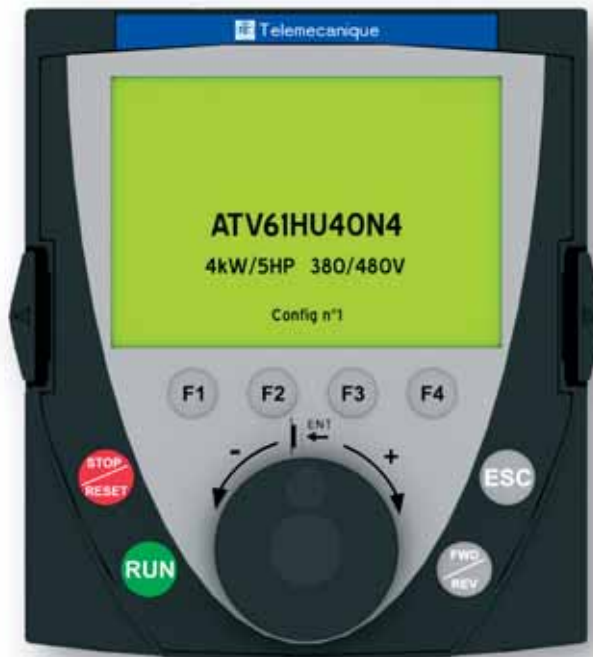
of the display comprising 8 lines of text and graphics. Legibility from 5 m. 6 languages available: English, Chinese, German, French, Spanish and Italian... with the possibility of simply downloading other languages.



Flexibility

with its remote mounting alternatives:

- on the door of an enclosure, with an IP54 or IP65 degree of protection.
- for multipoint connection to several drives. Storage of 4 configurations for transfer to other drives.



Simplicity

using the function keys for short-cuts, direct access and on-line help, display of the minimum and maximum values of the parameters

Protection

of parameters, control of their display, password protected, for simplified access to configurations with complete security.

Ergonomic

with its navigation button. With just one finger freely and quickly "surf" the drop-down menu.

Customisation

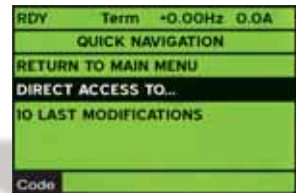
of parameters, display screens, monitoring line, creation of "user" menu, etc.



The “Simply Start” menu provides you with assistance for obtaining the best from the **Altivar 61** for protecting your motor.

Configure without being aware of it!

- Many **macro-configurations** are already integrated that are designed for a wide variety of applications and uses: materials handling, hoisting, general use, connection to communication networks, PID regulation, master / slave, etc. They can easily be modified.
- The architecture of the menus, hierarchical parameter system and short-cut functions enable **simple and quick programming**, even for the most sophisticated functions.



More on board *services*

Ample and varied, the services available via the graphic terminal **simplify setting-up** and **diagnostics of your machines**.

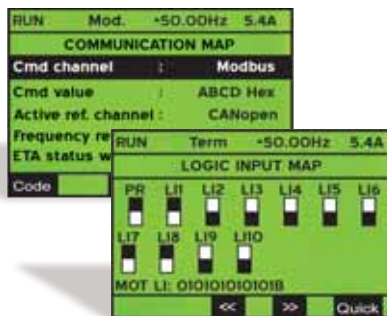


With **PowerSuite** software workshop **stay in control, even from a distance!**

For configuring, adjusting and setting-up your Altivar drive... by always keeping an eye on your installations via Modbus, Ethernet, a modem, Bluetooth®, etc.

Oscilloscope function

integrated in the **Altivar 61**: display of channels using **PowerSuite**



Display of inputs/outputs, communication, etc.



Test functions for drive, motor, components, inputs/outputs, etc.



Service messages

all types of information on the display: a telephone number, a specific instruction... stored in the drive.



Identity card incorporated in the drive simplifies **installed base management**.

Altivar 61

Performance on tap!



IP54 *product* solution

Altivar 61: 0.75 to 75 kW, 380 V to 480 V

Class A or class B product offer, with or without Vario switch

■ Without switch

Simple integration in installations subject to difficult environments using the Altivar 61 UL Type 12/IP54:

- Integrated anti-harmonic solutions.
- Remedial mechanisms for installation pollution.
- EN 55011 class A or class B (IEC/EN 61800-3) integrated EMC filters.

■ With switch disconnecter (class A) integrated

Ready-assembled solution in IP23/IP54 enclosure

Altivar 61: 90 to 800 kW, 380 V to 690 V

Product offer in Sarel Spacial 6000 enclosure

Fast-acting fuses and switch

The enclosed drives offer comes in IP23 or IP54 compact versions and IP54 with separate air flow, recommended for dusty environments.

■ A wide range of catalog options can be added to the standard offer according to specific requirements.

■ In addition to the range of add-on options, equipment can be customized to your exact specifications just speak to our specialist teams.

- Water-cooled solution.
- Integration of specific options.



IP54 enclosed solution *in a pre-assembled kit*

Altivar 61: 90 to 630 kW, 380 V to 480 V

Sarel Spacial 6000 enclosure-based kit

With the IP54 kit offer, a single product reference is all you need to create a complete solution including all the mechanical parts to assemble your IP54 equipment:

- Save time (certified IP54 and thermal tests)
- Responsiveness
- Easy to assemble



Altivar 61

The *power* of the elements!

The Altivar 61 offers you a wide range of functions for your pumps and fans. Its evolutionary design is particularly aimed at meeting your application requirements.

The Altivar 61 enables you to touchdown smoothly...



Ventilation: Air treatment plant

- Enhanced comfort with reduced noise pollution caused by fan operation: jump frequencies, energy saving ratio, adjustment of switching frequency during operation, variable “white noise” frequency.



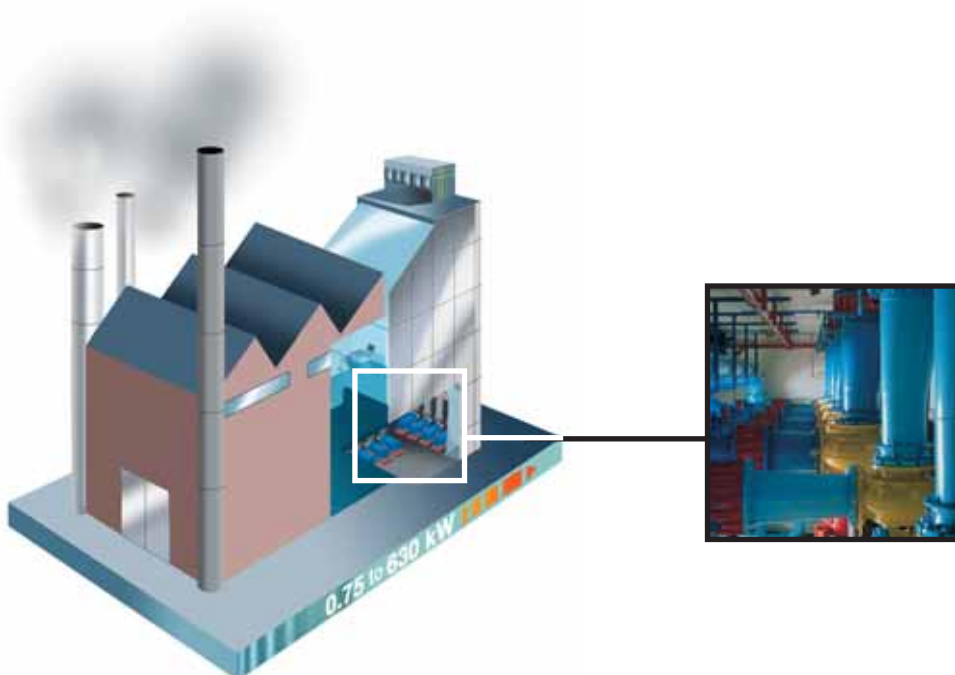
Ventilation: safety/smoke extraction

- Drive forced start function with fault inhibition, selection of running direction and speed reference.
- For high inertia applications, braking possible using resistors, catch on the fly by speed search regardless of the direction of rotation.
- Regulation of CO₂ by the integrated PI regulator.



Multipump: water distribution

- With its multipump cards, the Altivar 61 provides flexibility, user-friendliness and adaptability for the management of several pumps.
- Monitoring and full control of the installation by switching and spreading the wear and tear between pumps.
- Underload and overload detection.
- Detection of absence of fluid.



Selection guide

IP20 solution

Line supply: three-phase, 220 to 240 V

- ⁽¹⁾ For single-phase 0.75 to 7.5 kW range, select the next rating up (example: 2.2 kW - reference = ATV61HU30M3).
- ⁽²⁾ For single-phase operation, select the next rating up and add a line choke.
- ⁽³⁾ Without EMC filter.
- ⁽⁴⁾ Up to 45 kW, add the letter "Z" to the end of the reference for an Altivar 61 incorporating a 7-segment terminal.
- ⁽⁵⁾ With integrated DC bus inductance.

Motor power		Drive	Dimensions W X H X D (mm)
kW	HP	References	
0.75	1	ATV 61H075M3 ⁽¹⁾ ⁽⁴⁾	130 x 230 x 175
1.5	2	ATV 61HU15M3 ⁽¹⁾ ⁽⁴⁾	130 x 230 x 175
2.2	3	ATV 61HU22M3 ⁽¹⁾ ⁽⁴⁾	155 x 260 x 187
3	-	ATV 61HU30M3 ⁽¹⁾ ⁽⁴⁾	155 x 260 x 187
4	5	ATV 61HU40M3 ⁽²⁾ ⁽⁴⁾	155 x 260 x 187
5.5	7.5	ATV 61HU55M3 ⁽²⁾ ⁽⁴⁾	175 x 295 x 187
7.5	10	ATV 61HU75M3 ⁽²⁾ ⁽⁴⁾	210 x 295 x 213
11	15	ATV 61HD11M3X ⁽³⁾ ⁽⁴⁾	230 x 400 x 213
15	20	ATV 61HD15M3X ⁽³⁾ ⁽⁴⁾	230 x 400 x 213
18.5	25	ATV 61HD18M3X ⁽³⁾ ⁽⁴⁾	240 x 420 x 236
22	30	ATV 61HD22M3X ⁽³⁾ ⁽⁴⁾	240 x 420 x 236
30	40	ATV 61HD30M3X ⁽³⁾ ⁽⁴⁾	320 x 550 x 266
37	50	ATV 61HD37M3X ⁽³⁾ ⁽⁴⁾	320 x 550 x 266
45	60	ATV 61HD45M3X ⁽³⁾ ⁽⁴⁾	320 x 550 x 266
55	75	ATV 61HD55M3X ⁽³⁾ ⁽⁵⁾	320 x 920 x 377
75	100	ATV 61HD75M3X ⁽³⁾ ⁽⁵⁾	320 x 1022 x 377
90	125	ATV 61HD90M3X ⁽³⁾ ⁽⁵⁾	360 x 1022 x 377

IP20 solution

Line supply: three-phase, 380 to 480 V

- ⁽⁴⁾ Up to 75 kW, add the letter "Z" at the end of the reference for an Altivar 61 with a 7-segment display terminal
- ⁽⁵⁾ With integrated DC bus inductance.

0.75	1	ATV 61H075N4 ⁽⁴⁾	130 x 230 x 175
1.5	2	ATV 61HU15N4 ⁽⁴⁾	130 x 230 x 175
2.2	3	ATV 61HU22N4 ⁽⁴⁾	130 x 230 x 175
3	-	ATV 61HU30N4 ⁽⁴⁾	155 x 260 x 187
4	5	ATV 61HU40N4 ⁽⁴⁾	155 x 260 x 187
5.5	7.5	ATV 61HU55N4 ⁽⁴⁾	175 x 295 x 187
7.5	10	ATV 61HU75N4 ⁽⁴⁾	175 x 295 x 187
11	15	ATV 61HD11N4 ⁽⁴⁾	210 x 295 x 213
15	20	ATV 61HD15N4 ⁽⁴⁾	230 x 400 x 213
18.5	25	ATV 61HD18N4 ⁽⁴⁾	230 x 400 x 213
22	30	ATV 61HD22N4 ⁽⁴⁾	240 x 420 x 236
30	40	ATV 61HD30N4 ⁽⁴⁾	240 x 550 x 266
37	50	ATV 61HD37N4 ⁽⁴⁾	240 x 550 x 266
45	60	ATV 61HD45N4 ⁽⁴⁾	320 x 630 x 290
55	75	ATV 61HD55N4 ⁽⁴⁾	320 x 630 x 290
75	100	ATV 61HD75N4 ⁽⁴⁾	320 x 630 x 290
90	125	ATV 61HD90N4 ⁽⁵⁾	320 x 920 x 377
110	150	ATV 61HC11N4 ⁽⁵⁾	360 x 1 022 x 377
132	200	ATV 61HC13N4 ⁽⁵⁾	340 x 1 190 x 377
160	250	ATV 61HC16N4 ⁽⁵⁾	440 x 1 190 x 377
220	350	ATV 61HC22N4 ⁽⁵⁾	595 x 1 190 x 377
250	400	ATV 61HC25N4 ⁽⁵⁾	595 x 1 190 x 377
315	500	ATV 61HC31N4 ⁽⁵⁾	890 x 1 390 x 377
400	600	ATV 61HC40N4 ⁽⁵⁾	890 x 1 390 x 377
500	700	ATV 61HC50N4 ⁽⁵⁾	890 x 1 390 x 377
630	900	ATV 61HC63N4 ⁽⁵⁾	1 120 x 1 390 x 377

IP20 solution

Line supply: three-phase, 500 to 690 V

- ⁽¹⁾ Line choke mandatory. To be ordered separately.

kW 690 V	HP 575 V		
3	3	ATV61HU30Y	240 x 420 x 236
4	-	ATV61HU40Y	240 x 420 x 236
5.5	5	ATV61HU55Y	240 x 420 x 236
7.5	7.5	ATV61HU75Y	240 x 420 x 236
11	10	ATV61HD11Y	240 x 420 x 236
15	15	ATV61HD15Y	240 x 420 x 236
18.5	20	ATV61HD18Y	240 x 420 x 236
22	25	ATV61HD22Y	240 x 420 x 236
30	30	ATV61HD30Y	240 x 420 x 236
37	40	ATV61HD37Y	320 x 630 x 290
45	50	ATV61HD45Y	320 x 630 x 290
55	60	ATV61HD55Y	320 x 630 x 290
75	75	ATV61HD75Y	320 x 630 x 290
90	100	ATV61HD90Y	320 x 630 x 290
110	125	ATV61HC11Y ⁽¹⁾	340 x 1 190 x 377
132	150	ATV61HC13Y ⁽¹⁾	340 x 1 190 x 377
160	-	ATV61HC16Y ⁽¹⁾	340 x 1 190 x 377
200	200	ATV61HC20Y ⁽¹⁾	595 x 1 190 x 377
250	250	ATV61HC25Y ⁽¹⁾	595 x 1 190 x 377
315	350	ATV61HC31Y ⁽¹⁾	595 x 1 190 x 377
400	450	ATV61HC40Y ⁽¹⁾	1 120 x 1 390 x 377
500	550	ATV61HC50Y ⁽¹⁾	1 120 x 1 390 x 377
630	700	ATV61HC63Y ⁽¹⁾	1 120 x 1 390 x 377
800	700	ATV61HC80Y ⁽¹⁾	1 120 x 1 390 x 377

Selection guide

IP54 solution for power levels up to 75 kW Line supply: three-phase, 380 to 480 V

* For products without switch: replace "E5" with "W" in the reference.
The dimensions are identical.
* For products with additional 24 V power supply, add A24 to the "W" in the reference.
(6) Reference "W" only : to obtain a product with Class B EMC filters integrated, add C at the end of the reference.

Motor power		Product with switch*	
kW	HP	References	Dimensions W X H X D (mm)
0.75	1	ATV61E5075N4 (6)	240 x 490 x 272
1.5	2	ATV61E5U15N4 (6)	240 x 490 x 272
2.2	3	ATV61E5U22N4 (6)	240 x 490 x 272
3	–	ATV61E5U30N4 (6)	240 x 490 x 272
4	5	ATV61E5U40N4 (6)	240 x 490 x 286
5.5	7,5	ATV61E5U55N4 (6)	260 x 490 x 286
7.5	10	ATV61E5U75N4 (6)	260 x 525 x 286
11	15	ATV61E5D11N4 (6)	295 x 525 x 286
15	20	ATV61E5D15N4 (6)	315 x 665 x 315
18.5	25	ATV61E5D18N4 (6)	315 x 665 x 315
22	30	ATV61E5D22N4 (6)	285 x 720 x 315
30	40	ATV61E5D30N4 (6)	285 x 720 x 315
37	50	ATV61E5D37N4 (6)	285 x 880 x 343
45	60	ATV61E5D45N4 (6)	362 x 880 x 343
55	75	ATV61E5D55N4 (6)	362 x 1000 x 364
75	100	ATV61E5D75N4 (6)	362 x 1000 x 364
90	125	ATV61E5D90N4 (6)	362 x 1000 x 364

IP54 solution in compact enclosure Line supply: three-phase, 380 to 690 V

At the end of the reference, add
- N4 for 415 V,
- N for 500 V, and
- Y for 690 V
(1) For ranges Y and N, replace C22 with C20.
(2) Reference does not exist for N4 and N.

Motor power		Drive	
kW	HP	References	Dimensions W X H X D (mm)
90	125	ATV61EXC5D90••	2260x600x600
110	150	ATV61EXC5C11••	2260x600x600
132	200	ATV61EXC5C13••	2260x600x600
160	250	ATV61EXC5C16••	2260x600x600
220	350	ATV61EXC5C22•• (1)	2260x600x600
250	400	ATV61EXC5C25••	2260x800x600
315	500	ATV61EXC5C31••	2260x800x600
400	600	ATV61EXC5C40••	2260x1000x600
500	700	ATV61EXC5C50••	2260x1000x600
630	900	ATV61EXC5C63••	2260x1200x600
800	900	ATV61EXC5C80 (2)	2260x1200x600

IP54 solution in enclosure with separate air flow Line supply: three-phase, 380 to 690 V

At the end of the reference, add
- N4 for 415 V,
- N for 500 V, and
- Y for 690 V
(1) For ranges Y and N, replace C22 with C20.
(2) Reference does not exist for N4.

Motor power		Drive	
kW	HP	References	Dimensions W X H X D (mm)
90	125	ATV61EXS5D90••	2355x600x600
110	150	ATV61EXS5C11••	2355x600x600
132	200	ATV61EXS5C13••	2355x600x600
160	250	ATV61EXS5C16••	2355x600x600
220	350	ATV61EXS5C22•• (1)	2355x600x600
250	400	ATV61EXS5C25••	2355x800x600
315	500	ATV61EXS5C31••	2355x800x600
400	600	ATV61EXS5C40••	2355x1400x600
500	700	ATV61EXS5C50••	2355x1400x600
630	900	ATV61EXS5C63••	2355x1600x600
800	900	ATV61EXS5C80 (2)	2355x1600x600

IP54 solution in preassembled kit Line supply: three-phase, 380 to 480 V

(1) With braking unit
VW3A 701
* The kit does not include the drive

Drive		Associated kit*	
Altivar 61	Braking unit	References	Dimensions W X H X D (mm)
ATV61HC11N4		VW3A9541	2360 x 605 x 600
ATV61HC13N4		VW3A9542	2360 x 605 x 600
ATV61HC16N4		VW3A9543	2360 x 605 x 600
ATV61HC22N4		VW3A9544	2360 x 605 x 600
ATV61HC25N4		VW3A9545	2360 x 605 x 600
ATV61HC31N4			
ATV61HC25N4		VW3A9546 (1)	2360 x 805 x 600
ATV61HC31N4			
ATV61HC40N4		VW3A9547	2360 x 1205 x 600
ATV61HC63N4		VW3A9548	2360 x 1205 x 600
	VW3A 702	VW3A9549	2360 x 605 x 600
Empty additional enclosure 600 mm		VW3A9550	2360 x 605 x 600
Empty additional enclosure 800 mm		VW3A9551	2360 x 805 x 600

Selection guide

IP23 solution in compact enclosure Line supply: three-phase, 380 to 690 V

At the end of the reference,
add

- N4 for 415 V,
- N for 500 V, and
- Y for 690 V

⁽¹⁾ For ranges Y and N,
replace C22 with C20.

⁽²⁾ Reference does not exist for
N4 and N.

Motor power		Drive	Dimensions W X H X D (mm)
kW	HP	References	
90	125	ATV61EXC2D90**	2155x600x600
110	150	ATV61EXC2C11**	2155x600x600
132	200	ATV61EXC2C13**	2155x600x600
160	250	ATV61EXC2C16**	2155x600x600
220	350	ATV61EXC2C22** ⁽¹⁾	2155x600x600
250	400	ATV61EXC2C25**	2155x800x600
315	500	ATV61EXC2C31**	2155x800x600
400	600	ATV61EXC2C40**	2155x1000x600
500	700	ATV61EXC2C50**	2155x1000x600
630	900	ATV61EXC2C63**	2155x1200x600
800	900	ATV61EXC2C80** ⁽²⁾	2155x1200x600

PowerSuite software workshop

PowerSuite CD-Rom for PC
(English, French, German, Spanish and Italian)

VW3 A8104

Connexion kit

for PC

VW3 A8106

Adaptor for wireless link

Modbus-Bluetooth®

VW3 A8114

USB-Bluetooth® pour PC

VW3 A8115

Simple loader

VW3 A8120

Input/output cards

Logic inputs/outputs

1 voltage output, 24 V

1 voltage output, 10 V

1 logic output, relay

4 programmable logic inputs

2 assignable logic outputs with open collector

1 input for 6 PTC probes max.

VW3 A3201

Extended inputs/outputs

Same as logic inputs/outputs card +

2 analogue inputs

2 analogue outputs

1 pulse input

VW3 A3202

Controller Inside programmable card

VW3 A3501

Communication cards

Fipio

VW3 A3311

Modbus TCP

VW3 A3310

Modbus Plus

VW3 A3302

PROFIBUS DP

VW3 A3307

DeviceNet

VW3 A3309

Modbus/Uni-Telway

VW3 A3303

INTERBUS

VW3 A3304

LonWorks

VW3 A 3312

METASYS N2

VW3 A 3313

APOGEE FLN

VW3 A 3314

BACnet

VW3 A 3315

CC-Link

VW3 A 3317

Multipump cards

ATV38 compatibility

VW3 A3502

Water-solution

VW3 A3503

For full and detailed information on the Altivar 61 offer,
please refer to our catalogue

Altivar 61

Eco-Design:

thinking of the future

Within its sustainable development policy, Schneider Electric is committed to environmental friendliness:

“Our products safeguard life, make goods safer and optimise the consumption of energy and natural resources.

We are actively involved in design, production, distribution and recycling processes that are environmentally friendly.

Protection of the environment forms an integral part of our strategic decision making”.

The new generation of **Altivar 61** drive benefits from an **Eco-Design** approach. The same importance has been given to the “environment” criterion as that for other criteria, such as: performance, quality, ergonomics.... and this applies to each stage of the **life cycle of the product*** (manufacture, distribution, usage and end of life).

Exemplary end of life recovery ...

88 % of the parts used for the Altivar 61 are recyclable. They enable the recuperation of energy (incineration with energy recuperation) or of material (recycling, composting) conforming to the European directive WEEE (Waste Electrical & Electronic Equipment).

With Eco-Design



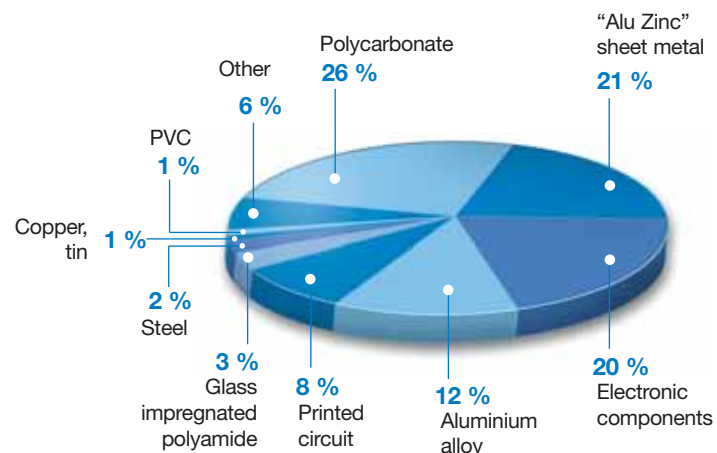
Without Eco-Design



70%
Recovery rate imposed by the European directive WEEE.

... due to a strict selection and ideal combination of materials

Materials used for the Altivar have been selected for their minimal impact on the environment. Conformity to the European directive ROHS (Restriction Of Hazardous Substances) that prohibits the use of materials such as lead, chromium 6...



ISO 14 001 certified sites for their manufacturing operations since 1997:

- Pacy-sur-Eure/France
- Mie/Japon and certified for their Eco-Design cycles since 2002.

The efficiency of Telemecanique branded *solutions*

Used in combination, Telemecanique products provide quality solutions, meeting all your **Automation** and **Control** applications requirements.



Simple machines

Altistart 01: 0.37 to 75 kW

Altivar 11: 0.18 to 2.2 kW

Altivar 31: 0.18 to 15 kW



Complex, high power machines

Altivar 71: 0.37 to 630 kW



Pumping and ventilation machines

Altistart 48: 4 to 1 200 kW

Altivar 11...347: 0.18 to 2.2 kW

Altivar 21: 0.75 to 75 kW

Altivar 61: 0.75 to 800 kW

A worldwide presence

Constantly available

- More than 13 000 points of sale in 190 countries.
- You can be sure to find the range of products that are right for you and which complies fully with the standards in the country where they are used.

Technical assistance wherever you are

- Our technicians are at your disposal to assist you in finding the optimum solution for your particular needs.
- Schneider Electric provides you with all necessary technical assistance, throughout the world.



Schneider Electric Industries S.A.S.

Head Office
89, bd Franklin Roosevelt
94504 Reuil-Malmaison
FRANCE

www.schneider-electric.com

Due to evolution of standards and equipment, the characteristics indicated in texts and images of this document do not constitute a commitment on our part without confirmation.

Design: 3000 NR

Photos: Schneider Electric

Simply Smart !