

Variable speed drives

Altivar 61 Plus and Altivar 71 Plus

Integrated solutions

Type of machine

Pumps and fans (industrial)



Power range for 50...60 Hz (kW) line supply
Three-phase 380...415 V
Three-phase 500 V
Three-phase 690 V

90...630	90...800	630...2400
90...630	90...630	630...1400
–	90...630	630...1800
–	110...800	800...2400

Main characteristics

With enhanced protection	With enhanced protection and integrated cooling circuit
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Variants

Ready to use	Standard offer Modular with integrated options User-definable on request
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Drive	Output frequency
Type of control	Asynchronous motor
	Synchronous motor
Transient overtorque	

0.1...500 Hz
Sensorless flux vector control Voltage/frequency ratio 2 or 5 points Energy saving ratio
Flux vector control without speed feedback
120% of the nominal motor torque for 60 seconds

Communication	Embedded
	As an option

Modbus and CANopen
Modbus TCP, Modbus/Uni-Telway, EtherNet/IP, DeviceNet, PROFIBUS DP V0 and V1, InterBus, CC-LINK LonWorks, METASYS N2, APOGEE FLN, BACnet

Cards (available as an option)

"Controller Inside" programmable card Multi-pump cards

Degree of protection

IP 54 with separate air flows, ATV 61ES5	IP 23 compact version, ATV 61EXC2 IP 54 compact version, ATV 61EXC5 IP 54 with separate air flows, ATV 61EXS5	With integrated air-cooled circuit: IP 23: ATV 61EXA2 IP 54: ATV 61EXA5 With external water-cooled system: IP 55, on request
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References

ATV 61 Plus

Catalogues

"Altivar 61 variable speed drives"



Complex machines
(industrial and infrastructure)



90...500	90...630	500...2000
90...500	90...500	500...1300
–	90...500	500...1500
–	110...630	630...2000
With enhanced protection		With enhanced protection and integrated cooling circuit
Ready to use	Standard offer Modular with integrated options User-definable on request	
0.1...500 Hz		
Flux vector control with or without sensor Voltage/frequency ratio (2 or 5 points) ENA System		
Vector control with or without speed feedback		
220% of the nominal motor torque for 2 seconds 170% of the nominal motor torque for 60 seconds		
Modbus and CANopen		
Modbus TCP, Modbus/Uni-Telway, EtherNet/IP, DeviceNet, PROFIBUS DP V0 and V1, InterBus, CC-LINK		
"Controller Inside" programmable card		
IP 54 with separate air flows, ATV 71ES5	IP 23 compact version, ATV 71EXC2 IP 54 compact version, ATV 71EXC5 IP 54 with separate air flows, ATV 71EXS5	IP 23, with integrated air-cooled circuit, ATV 71EXA2 IP 54, with integrated air-cooled circuit, ATV 71EXA5 IP 55, with external water-cooled system (on request)

ATV 71 Plus

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