### Variable speed drives Altivar 61 Plus and Altivar 71 Plus

Integrated solutions

#### Type of machine

Variants

## Pumps and fans (industrial)





630...2400

630...1400

630...1800

800...2400

circuit

With enhanced protection and integrated cooling

Power range for 5060 Hz (kW) line supply		
	Three-phase 380415 V	
	Three-phase 500 V	

Marin alcanactanistics		
Main characteristics		

Ready to use Standard offer Modular with integrated options
User-definable on request

90...800

90...630

90...630

110...800

e	Output frequency		
	Type of control	Asynchronous motor	
		Synchronous motor	
	Transient overtorqu	ie .	

Embedded	
As an option	

Communication

Cards (available as an option)

Degree of protection

References Catalogues 0.1...500 Hz

90...630

With enhanced protection

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

Modbus and CANopen

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

"Controller Inside" programmable card Multi-pump cards

IP 54 with separate air flows, **ATV 61ES5** 

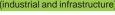
IP 23 compact version, ATV 61EXC2 IP 54 compact version, ATV 61EXC5 IP 54 with separate air flows, ATV 61EXS5

With integrated air-cooled circuit: IP 23: ATV 61EXA2 IP 54: **ATV 61EXA5** With external water-cooled system: IP 55, on request

#### **ATV 61 Plus**

"Altivar 61 variable speed drives"

# Complex machines (industrial and infrastructure)







90500	90630	5002000
90500	90500	5001300
-	90500	5001500
-	110630	6302000
With enhanced protection		With enhanced protection and integrated cooling circuit

Standard offer Modular with integrated options User-definable on request Ready to use

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 23 compact version, ATV 71EXC2 IP 54 with separate air flows, ATV 71ES5 IP 23, with integrated air-cooled circuit, ATV 71EXA2 IP 54 compact version, ATV 71EXC5 IP 54, with integrated air-cooled circuit, ATV 71EXA5 IP 54 with separate air flows, ATV 71EXS5 IP 55, with external water-cooled system (on

### ATV 71 Plus

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