

# Altivar Process 600

The first variable speed drive with embedded services.



## Operational Intelligence

Applications need to run at optimum efficiency for your success. Making informed decisions, easily, at a moment's notice is foundational to this. Embedded process knowledge in the Altivar Process brings you the information you need.

## Embedded Guidance

Avoid getting lost with start-up, integration of your drives and maintenance needs. New and intuitive built-in functions simplify support and diagnostics, allowing issues to be solved quickly and comprehensively.

## Reliable and Sustainable

Long operating life and reliability have been the hallmarks of the Altivar drives family for over 30 years. The tradition continues. Schneider Electric is ready to help you solve your challenges.

## Operational Intelligence

### > Custom Information

- Configurable Dashboard
- Graphical Keypad
- Pump Language

### > Energy Management

- Motor Power Measurement
- Energy Dashboards
- Export Energy Data

### > Embedded Ethernet and Web server

- Local or remote access
- Achilles Level 2 security
- Web server on any device using HTML5

### > Process Monitoring

- Operating data feedback
- Compare to expected values
- Predictive maintenance
- Stop & Go
- Real-time clock

## Reliable and Sustainable:

- Normal Duty and Heavy Duty ratings
- Safe Torque Off (STO) inputs
- Digital inputs
- Analog inputs
- Relays
- Analog outputs
- Conformal coating
- 50 degree C rating
- Green Premium rating
- 70% recyclable content
- RoHS
- REACH compliant

## Embedded Guidance:

### > Startup

- Pump specific functions
- Simply Start
- QR Code access to product
- Information and technical support

### > Integration

- PlantStruxure optimized
- FDT/ DTM ready
- Industry standard communications

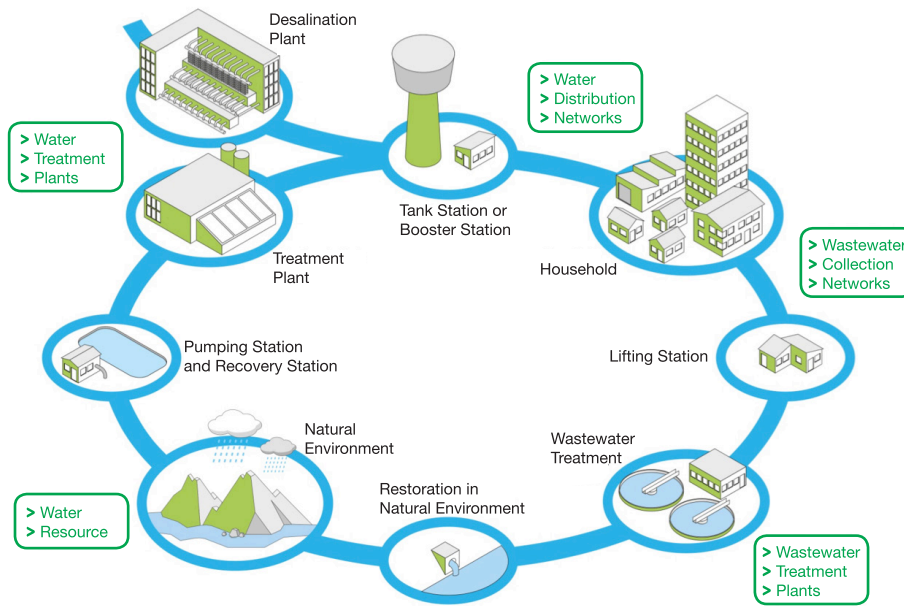
### > Maintenance Excellence

- Dynamic QR code assistance
- Troubleshooting message
- Fast Device Replacement

Make the most of your energy<sup>SM</sup>

**Schneider**  
Electric™

# The Altivar Process 600 series of variable speed drives has over 30 functions dedicated for pumping applications as well as functions for fan and simple material handling applications.



## Applications

- Aeration
- Booster Pump
- Fans
- Intake Pump
- Irrigation
- Lift Station
- Simple Constant Torque
- Sludge Conveying
- Well Pump

## Pump Functions

- Anti-jam
- Flow limitation
- Friction loss compensation
- Input pump curve values
- Jockey pump control
- PID monitoring feedback
- PID regulator
- Pipe fill
- Pump monitoring
- Pump priming control
- Sensor-less flow estimation
- Sleep/wake up

## Pump Protection

- Dry run
- High flow
- Inlet/outlet pressure
- Low pressure
- No or low flow
- Process overload detection
- Process under-load detection
- Pump cavitation
- Pump cyclic start



Voltage	Power Range	Standard Enclosure Offer
200 – 240 VAC	1 – 100 HP	Type 1: 1 – 100 HP Type 12: 1 – 60 HP Type 3R: 1 – 60 HP
400 – 480 VAC	1 – 1,100 HP	Type 1: 1 – 1,100 HP Type 12: 1 – 1,100 HP Type 3R: 1 – 125 HP

## Options to Create the Right Solution

- Remote keypad mounting
- I/O extension cards
- Heatsink mounting kits
- Communication options: Ethernet IP / Modbus TCP dual port, Profibus, ProfiNet, DeviceNet, CanOpen
- Incoming and outgoing power options

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Scan the code to find out more about the Altivar Process.