Optimize the entire application workflow

With Q2A drive you will benefit from application optimization at each step of the machine’s entire cycle. From design, through commissioning and finally to maintenance.

**Space-saving.** This drive comes with up to a 45% footprint reduction compared with previous solution and allows side by side mounting.

**Reduce cost via hardware simplification.** Built-in EMC filter, DC reactor and braking chopper. Integrated functional safety and embedded 24 Vdc control board power supply.

**Optimize your engineering time.** Graphic Development Environment provides faster application customization.

**Fast commissioning.** Intelligent Application Setup guides you through the parameter settings.

**Flexible project deployment.** Download your project in your lab or warehouse, without a connected power supply.

**Graphical setup.** Q2 edit software tool provides parameter setting and monitoring for computers and smart devices.

**Minimize machine downtime.** Data reporting with trip history. You can predict drive failures, by critical components aging models.

**Energy saving.** Energy recovery solutions available.

**Communication.** Centralize your Drives Control with Ethernet Base Networks.
1 Design

Reduce your cost not only by size reduction and hardware simplification but as well by reducing the programming and commissioning time.

Cabinet space-saving

External heatsink mounting
- Reduces cabinet space and simplifies your heat dissipation system.

Reduced cost via hardware simplification
- Built-in EMC filter, DC reactor and braking chopper
- Integrated functional safety replaces mechanical contactors
- Embedded 24 Vdc power supply for I/O control

Side by side mounting
- Without derating to reduce panel size

External heatsink mounting
- Reduces cabinet space and simplifies your heat dissipation system.

Robust performance in a harsh environment
- Coated PCBs as standard protect the electronics from dust or humidity.

Program >> Deploy >> Go

Q2A drive series can be programmed without any power supply connected. Simply plug into one of your PC's USB ports, start programming and enjoy the ease of commissioning.

- No power supply
- Reduced commissioning time

2 Commissioning

Fast commissioning
- Thanks to the built-in wizard function, setup time will be reduced and there will be zero risk to setting wrong parameters by forgetting any important setup.

Graphical LCD display as standard
- Real-time clock for alarm history with Time Stamp
- SD micro for data logging and alarm history

Program function
- Multiple sets of parameters can be stored and easily transferred to additional drives

Automatic backup function
- Saves the current parameter settings after a period of user inactivity

Reduced cost via hardware simplification
- Built-in EMC filter, DC reactor and braking chopper
- Integrated functional safety replaces mechanical contactors
- Embedded 24 Vdc power supply for I/O control

Cabinet space-saving
- Side by side mounting
- Without derating to reduce panel size

External heatsink mounting
- Reduces cabinet space and simplifies your heat dissipation system.
Driving Quality for Industrial Applications

Minimize machine downtime
- Highest manufacturing quality ensures 10 years of 24/7 failure-free operation for your peace of mind.
- Conformal coating to IEC60721-3-3 (3C2 and 3S2) standards for unhealthy industrial environment.
- Various tools for drive condition monitoring to be proactive against potential failures:
  - Micro SD card trace-recording
  - Critical components lifetime modeling
  - Time-stamped historical log
  - Customized maintenance functions

Up to 50% energy saving
Regenerative solutions
- Q2A drive series combined with D1000 or R1000 units can solve regenerative applications re-using the energy for other applications within the same installation.
- 1:1 & 1:N possible configurations.

Industrial Communication
Cost effective network integration
- Up to 5 Q2A drives with a single communication card.

Always in control
- Embedded 24Vdc power supply input to keep the CPU alive.

Improve productivity by reducing machine downtime and increasing power consumption efficiency.

Production
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