

IRIS BLUE

SPECIAL-PURPOSE DRIVE FOR WATER AND WASTEWATER INDUSTRY AND HVAC APPLICATIONS For the Control of Three-phase Asynchronous Motors

Power Range and Voltage Classes

2T: 3 x 200 to 240 Vac, 3 to 132kW

4T: 3 x 380 to 480 Vac, 4.5 to 300kW

Supply Voltage Tolerance: +10/-15%

Control Methods

- IFD: High-performance V/f control
- VTC: Sensorless vector control

Maximum Efficiency and Complete System Control

Using drives specific to quadratic loads, such as pumps, fans and compressors, dramatically reduces energy consumptions (reducing speed by 20% means reducing consumptions by 50%)

The IRIS BLUE drive features special functions to:

- Reduce maintenance
- Obtain maximum energy efficiency
- Obtain full system control
- Control multi-pump systems: the flow rate is adjusted based on the actual demand, thus balancing the working time of the different pumps in the system

TOP EFFICIENCY DRIVE

CDM IE2 according to IEC 61800-9-2



+ SPECIAL-PURPOSE FUNCTIONS
+ ENERGY SAVING
- INSTALLATION TIME

DEDICATED FUNCTIONS

FOR SPECIAL-PURPOSE APPLICATIONS

- Dry Run Control
- Pipe Fill Control
- Fire Mode
- Pump Cleaning Function
- Speed Search Function
- Multi-motor Control
- Pressure Loss Control

Integrated EMC Filter

Category C3 in compliance with EN61800-3

Communications

- Integrated RS485 serial port
- Fieldbus boards (optional): PROFIdrive, CANopen, ProfibusDP, CCLink, DeviceNet, Modbus TCP/IP, Ethernet IP, Profinet IRT, EtherCAT, PowerLink

Integrated Safety Function

Safe Torque Off SIL3 and EN ISO 13849-1, PL-d

CE Certification