

# Unidrive M200 features



\*Features and their locations vary on some drive sizes

## Unidrive M200 AC drive at a glance:

### Flexible machine integration through communications

M200 delivers substantial communication and application integration through optional RS485 plus a wide range of industry standard fieldbus and I/O SI modules. Enhances machine up-time and performance with its remote control monitoring and diagnostics possibilities.



### Enhance productivity through easy integration with automation systems and reduce machine downtime

Unidrive M200 provides optional RS485 communications and a port for a System Integration (SI) option module. SI modules include Ethernet, EtherCAT, PROFIBUS, DeviceNet and CANopen network communications, and additional I/O. These allow remote control and diagnostics across different networks.

### Maximize productivity with high performance control of AC motors

Unidrive M200's advanced RFC control algorithm ensures maximum stability and machine control. It provides a high bandwidth motor control algorithm with 166  $\mu$ s current loop update rates and 180 % motor overload for heavy industrial machinery applications.

### Robust design

Using extensive customer research, Unidrive M200 has been designed and tested for leading reliability in manufacturing environments. It features:

- Unique advanced cooling design featuring a patented flow system that helps cool the drive more effectively while protecting internal components
- Conformally coated PCBs
- 180 % overload for 3 s or 150 % for 60 s
- Wide supply voltage tolerance
- Drive meets IP21 as standard
- Higher temperature operation with de-rating
- Intelligent 3 speed user-replaceable cooling fan with patented fan-fail detection circuit