

Take control of the most demanding motor control applications.

The PL and PLX DC drives give a fast controlled response over the full speed range.



The PL/X range



5 - 50KW
12 - 123AMPS



65 - 145KW
155 - 330AMPS

The 4Q PLX can motor and brake in forward and reverse and regenerate energy into the mains supply when braking.

All models include 40 character alpha-numeric back-lit display, full set of centre winding blocks and a field weakener for extended speed range. A high quality product from a world beating company.

Available in both 2Q and 4Q versions the range comprises 5 very compact chassis sizes with models rated from 12 to 2250 Amps.

Key Features:

- Friendly easy-to-use menu structure with descriptive parameter names.
- Extremely flexible block diagram including unique "Configuration Checker", detects conflicts in user programmed configurations.
- Failsafe automatic "Revert to AVF" on tach feedback failure.
- A choice of two drive configuration and monitoring packages.
 - PL Pilot. Free with PL/X.
 - Pilot+. Free and can be upgraded to signal flow diagram.
- Ultra compact sizes offering significant panel space savings over other manufacturers.
- Programming menu is designed for rapid travel to desired parameter using ergonomically designed keys.



185 - 265kW
430 - 630AMPS



275 - 440kW
650 - 1050AMPS



520 - 980kW
1250 - 2250AMPS

- Five feedback transducer options as standard.
- Non-volatile trip alarm memory, even after power-down.
- Real language parameter description eliminates need for look-up tables.
- Built-in "Oscilloscope" output for full parameter monitoring.
- Three fully independent, user programmable drive configurations.
- Full suite of centre winding Apps included.
- Extensive, multi-function programmable I/O, with over 36 digital and analogue input/output combinations.
- Built-in system application blocks with descriptive connection points.
- In-depth fault monitoring and comprehensive system alarms.
- Serial communications to allow off-site programming and remote diagnostics.
- In-depth diagnostic facility available from on-board display and "in-built meter".
- On board fully controlled field with five operating modes.
- Easy to use product manual with display graphics and block diagrams.
- Full suite of built-in encoder functions as standard.
- Large 40 character backlit alphanumeric LCD display.
- All PL/X models are compatible with drive.web, to provide robust programmable peer control for drives and systems.

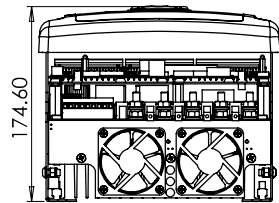
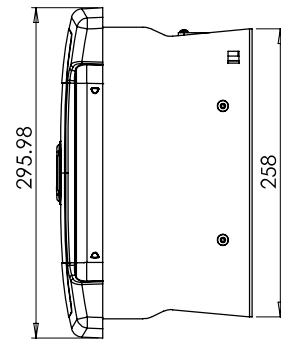
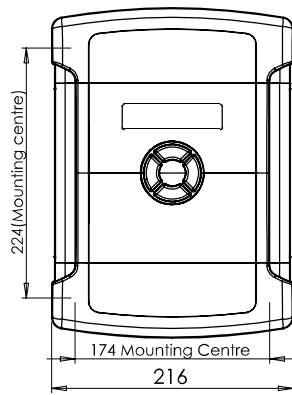


DESCRIPTION

The PL/X DC motor controller uses closed loop control of armature current and feedback voltage to give precise control of motor torque and speed. The unit also controls the motor excitation field. The closed loop parameters are programmable by the user and a wealth of inputs and outputs are provided to allow very complex motion control processes to be achieved.

PRODUCT NAME

PL/X5-50



RATINGS & DIMENSIONS

| PL 2 QUADRANT PLX 4 QUADRANT | KW @ 460v | HP @ 460v | ARMATURE CURRENT DC AMPS | FIELD AMPS |
|---------------------------------|-----------|-----------|-----------------------------|------------|
| PL and PLX 5 | 5 | 6.6 | 12 | 8 |
| PL and PLX 10 | 10 | 13.3 | 24 | 8 |
| PL and PLX 15 | 15 | 20 | 36 | 8 |
| PL and PLX 20 | 20 | 26.6 | 51 | 8 |
| PL and PLX 30 | 30 | 40 | 72 | 8 |
| PL and PLX 40 | 40 | 53.3 | 99 | 8 |
| PL and PLX 50 | 50 | 66.6 | 123 | 8 |

FRAME SIZE

| |
|-----------------|
| H 296 mm |
| W 216 mm |
| D 175 mm |

SHIPPING WEIGHT

8kg