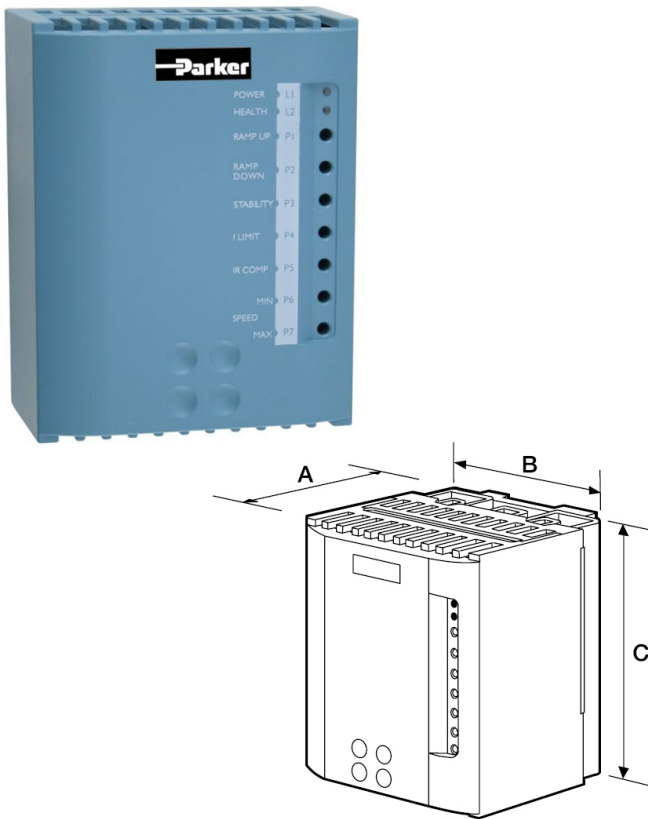


# 506/507/508

Up to 12 Amps

The 506,507 and 508 series drives break new ground in value for money DC motor control. Available in 3, 6 or 12A armature rating, the feature minimum footprint design is ideal for speed or torque control of permanent magnet or shunt wound DC motors from single phase supplies.



Dimensions				
	A	B	C	Weight (kg)
506	80	105	140	0.59
507	80	105	140	0.59
508	90	105	140	0.70

## Features

- Low cost/High feature design
- Compact minimal footprint construction
- IP20 Protected covers
- DIN rail mounting
- Switch selectable 110V or 230V supply
- Switch selectable Tacho or Armature voltage feedback

## Technical Specification

**Power Supply:** 110-120V, or 220-240V  $\pm$  10% single phase  
50-60Hz  $\pm$  5%

**Ambient:** 0-45°C, up to 1000m ASL without derating

## Features

### User Facilities

- IP20 Protected covers
- DIN rail mounting
- Torque and speed control
- 2A DC field output
- Internal 15 second stall detect
- Internal electronic overcurrent protection
- Zero speed and drive healthy signal
- Main and trim setpoint input
- Independent acceleration and deceleration ramps
- LED diagnostics

### Potentiometer Adjustments

- Maximum speed
- Minimum speed
- Current limit
- Speed stability
- Acceleration ramp (1-15 seconds)
- Deceleration ramp (1-15 seconds)
- IR compensation

### Switch Selectable Features

- Supply voltage 110-120V or 220-240V
- Tachogenerator/armature voltage feedback
- Speed calibration
- Current calibration

## Product Details

Type	Armature Current Adc	Nominal Supply Voltage Vac	Armature Voltage Vdc	Field Voltage Vdc
506	0-3	110-120	90	100
506	0-3	220-240	180	210
507	0-6	110-120	90	100
507	0-6	220-240	180	210
508	0-12	110-120	90	100
508	0-12	220-240	180	210

## Options

LA054664	506 Fuse kit
LA054664	507 Fuse kit
LA050062	508 Fuse kit
LA050063	Potentiometer kit

## Standards

- CE Marked to EN50178 (Safety, Low Voltage Directive).
- CE Marked to EN61800-3 (EMC Directive).
- UL listed to US standard
- cUL listed to Canadian safety standards



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