

506/507/508

Up to 2kW



DESCRIPTION

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

LOW COST HIGH FEATURE DESIGN

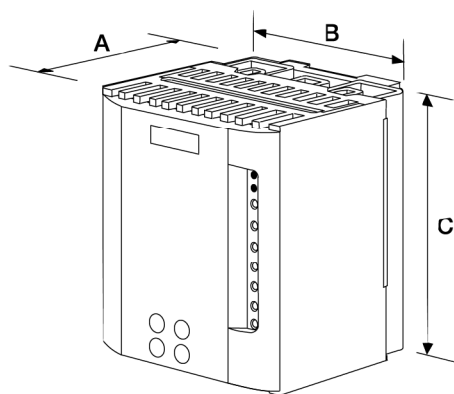
COMPACT MINIMAL FOOTPRINT CONSTRUCTION

IP20 PROTECTED COVERS

DIN RAIL MOUNTING

SWITCH SELECTABLE 110V OR 230V SUPPLY

SWITCH SELECTABLE TACHO OR ARMATURE VOLTAGE FEEDBACK



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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

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

Dimensions

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

Options

LA054664	506 F	use Kit
LA054664	507 F	use Kit
LA050062	508 F	use Kit
LA050063	P otentiometer Kit	

STANDARDS

CE marked
EN61800-3 (EMC compliance) with external filter
EN50178 (safety, low voltage directive)

UL listed to US and  listed to Canadian safety standards