

## TECHNICAL SPECIFICATION

**Power Supply** – 110-115V, 220-240V or 380-415V  $\pm 10\%$   
 user selectable, single phase 50-60Hz  $\pm 5\%$   
**Ambient** – 0-40°C, up to 1000m ASL without derating  
**Overload** – 150% for 60 seconds

## FEATURES

### User Facilities

Link selection of AC supply voltage  
 Torque or speed control  
 3A DC field output  
 Power on overcurrent and stall detect LEDs  
 MOV transient suppression  
 Buffered speed output (10V, 10mA)  
 Buffered current output (7.5V, 10mA)  
 Buffered ramp output (master/slave)  
 10V DC reference supply (10mA)  
 Total setpoint off  
 Health output  
 Zero speed/zero setpoint output

### Potentiometer Adjustments

Maximum speed  
 Minimum speed  
 Current limit  
 Acceleration ramp (1-80 seconds)  
 Deceleration ramp (1-80 seconds)  
 IR compensation  
 Speed stability

Nominal Supply Voltage Vac	Armature Voltage Vdc	Field Voltage Vdc
110	90	100
240	180	210
415	320	360

Type	Armature Current
512C/040	4
512C/080	8
512C/160	16
512C/320	32

## Options

Product No.	Type	Descriptions
LA057605U012	512C/040	Single Phase Fuse Kit
LA057605U016	512C/080	Single Phase Fuse Kit
LA057605U032	512C/160	Single Phase Fuse Kit
LA057605U050	512C/320	Single Phase Fuse Kit
LA050063		Potentiometer Kit

EMC filters see page 60.

## Dimensions

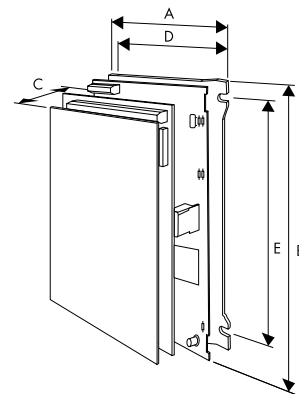
Type	A	B	C	D	E	Weight (kg)
512C/040, 080 or 160	160	240	85	148	210	1.5/1.6/1.6
512C/320	160	240	123	148	210	2.9

## STANDARDS

CE marked  
 EN61800-3 (EMC compliance) with external filter  
 EN50178 (safety, low voltage directive)  
 UL listed to US and cUL listed to Canadian safety standards

# 512C Up to 32 Amps DC DRIVES

Isolated control circuitry, a host of user facilities and extremely linear control loop make the 512C ideal for single motor or multi drive low power applications. Designed for use on single phase supplies, the 512C is suitable for controlling permanent magnet or wound field DC motors in speed or torque control.



**FULLY ISOLATED CONTROL CIRCUITS**

**110V – 415V AC SUPPLY SELECTION**

**CE MARKED AND EMC COMPLIANT**

**MULTI INPUT SPEED AND  
CURRENT SETPOINTS**

**ZERO SPEED AND HEALTH OUTPUT**

**EXTREMELY LINEAR CONTROL LOOPS**