



## THE SCL SERIES - Sub-micro AC drive with integral line filter

Designed to comply with European Community standards for installation on 220/240 volt single-phase power systems. The integral line filter built into the SCL Series complies with the relevant EU Standards for EMC and RFI.

The compact packaging and comprehensive functionality makes the SCL an ideal drive to use on equipment requiring variable speed, soft starting or reversing operation.

The user manual and quick reference guide for the SCL Series Drive, and all AC Tech drives, are available in the AC Tech website Library: [www.actechdrives.com](http://www.actechdrives.com).

### General Specifications

**Power Range:** 0.25 to 2.2kW (0.33 to 3 HP)

#### Supply Power:

Single Phase: 208/220/240 VAC  
(+10/-15%) 50 / 60 Hz

**Motors:** The SCL is designed to operate standard polyphase induction motors rated for 208, 220 or 240 VAC from 0 to 240 Hz.

**Enclosure:** IP20 with finger safe terminals.

### Standard Features

**Easy Set-up and Operation:** The SCL is easy to use right out of the box or can be customized to meet your specific requirements any one of four convenient ways:

- From the front of the drive
- The Remote Keypad option
- The innovative EPM Programmer.
- A PC using AC Tech's free TechLink Software and the EPM Programmer.

**Motor Thermal Overload:** The SCL is an approved motor protection device for single motor applications.

**Control I/O:** Eleven isolated terminals provide connection for 0-10V or 4-20mA reference, 1 fixed and 3 programmable logic inputs and 1 programmable relay output.

**Quiet Operation:** Adjustable carrier frequency up to 10 kHz.

### SCL Options

#### NEMA 4X Remote Keypad:

Simple four wire connection to the SCL for operation and programming of the drive. High-impact plastic and gasket permit installation in NEMA 4X (IP65) environments.



#### DIN Rail Mounting Kit:

Allows easy mounting of the SCL Drive onto standard DIN Rail.



#### Dynamic Braking Kit:

Prepackaged resistor modules with control electronics provide easy mounting within the control cabinet.



#### EPM Programmer:

Copy drive programs in 2 seconds using The EPM Programmer! Then just plug the EPM into the SCL Series drive and it's ready for operation. The EPM Programmer also provides full programming capability using the backlit LCD display and file exchange with a Personal Computer.



# SCL Series Model Designation Code

The SCL Series model number gives a full description of the basic drive unit (see example below).

Example: SL210S

(SCL Series, 208/220/240 VAC, 1 HP, single phase input)

**SL**    **2**    **10**    **S**

**Series:**

SL = SCL Series Variable Speed AC Motor Drive *with integral line filter*

**Input Voltage:**

2 = 208 / 240 VAC, 1 $\phi$  or 3 $\phi$ , 50 or 60 Hz (208, 220, 230 and 240 volt)

**Horsepower:**

04 = 0.33 HP (0.25 kW)	15 = 1.5 HP (1.1 kW)
05 = 0.5 HP (0.37 kW)	20 = 2 HP (1.5 kW)
08 = 0.75 HP (0.55 kW)	30 = 3 HP (2.2 kW)
10 = 1 HP (0.75 kW)	

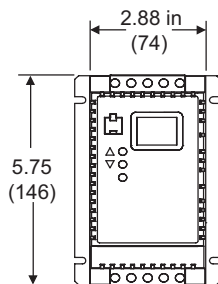
**Input Phase:**

S = Single phase input only

## SCL Series Drive Dimensions and Ratings

Output Voltage: 0 - 208 / 240 VAC 3 $\phi$							
		Input: 208 / 240 VAC 1 $\phi$					
HP	(kW)	Output Amps	Input Amps	Model	Size	Weight kg.	Weight lbs.
0.33	(0.25)	1.9 / 1.7	3.9 / 3.4	SL204S	A5	0.9	2.0
0.5	(0.37)	2.8 / 2.4	5.8 / 5.0	SL205S	A5	0.9	2.0
0.75	(0.55)	3.7 / 3.2	6.9 / 6.0	SL208S	A6	1.2	2.6
1	(0.75)	4.8 / 4.2	10.6 / 9.2	SL210S	A6	1.6	3.6
1.5	(1.1)	6.9 / 6.0	13.9 / 12.0	SL215S	B5	1.8	4.0
2	(1.5)	8.1 / 7.0	18.4 / 16.0	SL220S	B5	1.9	4.1
3	(2.2)	11.0 / 9.6	24 / 21	SL230S	B6	2.2	4.9

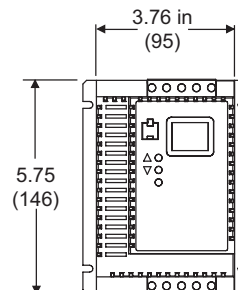
<sup>1</sup> Estimated shipping weight including packaging.



**A**

Depth

A5: 83 mm (3.26 in)  
A6: 92 mm (3.63 in)



**B**

Depth

B5: 124 mm (4.88 in)  
B6: 140 mm (5.53 in)

Dimensions shown are approximate.  
Please refer to User Guide.

**AC Tech**