



## THE SCD SERIES - *DeviceNet*. drive

Finally a variable frequency drive for use on *DeviceNet*. systems at a *fair* price!

AC Tech's SCD Series complies with the ODVA requirements for this standard industrial protocol. This is the ultra-compact drive available in all standard voltages with the widest power range in the sub-micro drive class.

### General Specifications

**Horsepower:** ¼ to 25 HP (0.18 to 18.5kW)

**Supply Power:**

Single Phase: 120, 208 or 240VAC

Three Phase: 208, 240, 400, 480 or 590VAC  
50 or 60 Hz (+10/-15%)

**Motors:** The SCD is designed to operate standard polyphase induction motors rated for 200, 230, 400, 460 or 575VAC from 0 to 240Hz. Operation to 1000Hz is optional.

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

### Standard Features

**Easy Set-up and Operation:** The SCD is ready to use right out of the box or can easily be configured for the *DeviceNet*. Network and to meet your specific requirements from either the front of the drive or with the innovative EPM Programmer.

**Motor Thermal Overload:** The SCD is an approved motor protection device for single motor applications by UL and cUL.

**Control I/O:** 18 isolated terminals provide 5 logic inputs, 2 logic outputs, configurable analog input and 2 analog outputs plus plugable 5 pin *DeviceNet*. terminal block.

**Quiet Operation:** Adjustable Carrier frequency to 10kHz.

### SCD Options

**High Frequency Output Option:**

Contact AC Tech for SCD Models for high speed applications up to 1000Hz.

**Dynamic Braking Kit:**

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



**DIN Rail Mounting Kit:**

Allows easy mounting of the SCD Drive and Dynamic Brake kit onto standard DIN Rail.

**Through Hole Mounting:**

The SCD Series can be ordered for through hole mounting that puts the drive heat sink outside the electrical enclosure for better thermal management and space savings. Ships on black anodized heat sink with gasket that will meet NEMA 4 and NEMA 4X (IP65) construction.

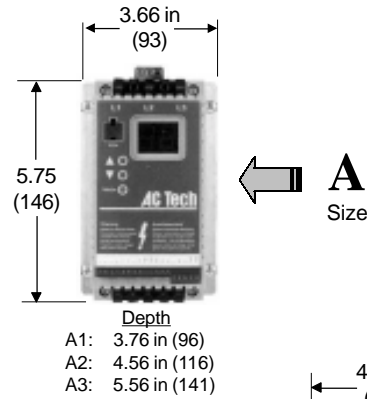


**EPM Programmer:**

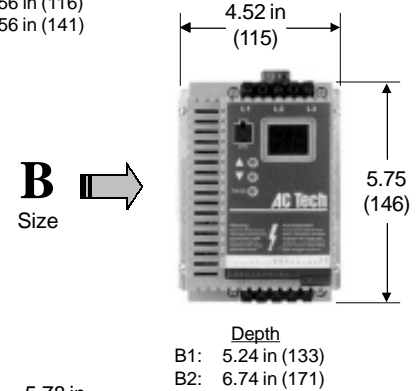
This compact battery operated option allows programming the EPM (on the front of each drive) directly and without power to the drive! Copy drive parameters easily or write new ones using the backlit LCD display that uses real language programming.



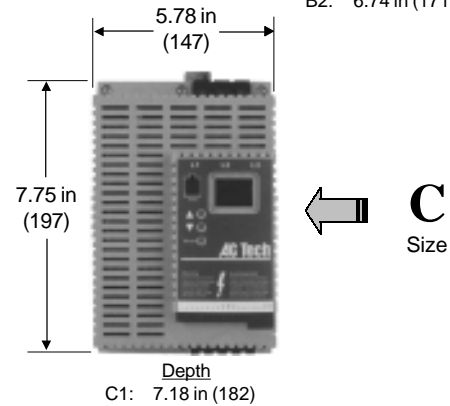
Input Line Voltage: 120 / 208 / 240 Volt 1		Output Voltage: 0 - 200 / 230 Volts 3				
HP (kW)	Input Amps	Output Amps	IP 20 Dimensions			
			Model	Size	Weight <sup>1</sup>	
... (0.18)	6.0 / 3.5 / 3.0	1.6 / 1.4	SD103S	A1	2.0	
% (0.37)	9.2 / 5.3 / 4.6	2.5 / 2.2	SD105S	A1	2.2	
1 (0.75)	15.8 / 9.1 / 7.9	4.6 / 4.0	SD110S	B1	3.5	
1% (1.1)	21.0 / 12.3 / 10.7	6.2 / 5.4	SD115S	B1	4.6	



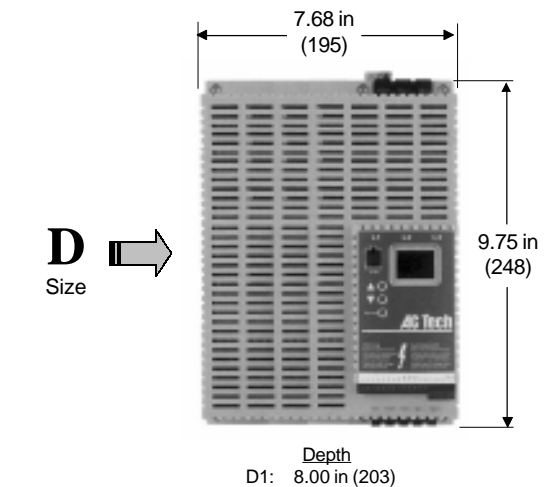
Input Line Voltage: 208 / 240 Volt 1 or 3		Output Voltage: 0 - 200 / 230 Volt 3				
HP (kW)	Input Amps		Output Amps	IP 20 Dimensions		
	1	3		Model	Size	Weight <sup>1</sup>
... (0.18)	3.6 / 3.2	1.9 / 1.7	1.6 / 1.4	SD203Y	A1	1.9
% (0.37)	5.4 / 4.7	3.1 / 2.7	2.5 / 2.2	SD205Y	A1	1.9
1 (0.75)	9.7 / 8.4	5.5 / 4.8	4.6 / 4.0	SD210Y	A2	2.5
1% (1.1)	12.4 / 10.8	7.1 / 6.3	6.2 / 5.4	SD215Y	B1	3.5
2 (1.5)	14.8 / 12.9	9.1 / 7.9	7.8 / 6.8	SD220Y	B2	4.5
3 (2.2)	19.7 / 17.1	12.4 / 10.8	11.0 / 9.6	SD230Y	B2	4.8
5 (3.7)	29 / 26	19.6 / 17.1	17.5 / 15.2	SD250Y	C1	7.6



Input Line Voltage: 208 / 240 Volt 3		Output Voltage: 0 - 200 / 230 Volt 3				
HP (kW)	Input Amps	Output Amps	IP 20 Dimensions			
			Model	Size	Weight <sup>1</sup>	
1 (0.75)	5.5 / 4.8	4.6 / 4.0	SD210	A2	2.5	
1% (1.1)	7.1 / 6.3	6.2 / 5.4	SD215	A3	3.0	
2 (1.5)	9.1 / 7.9	7.8 / 6.8	SD220	A3	3.1	
3 (2.2)	12.4 / 10.8	11.0 / 9.6	SD230	A3	3.2	
5 (3.7)	19.6 / 17.1	17.5 / 15.2	SD250	B2	4.6	
7% (5.5)	28 / 25	25 / 22	SD275	C1	7.3	
10 (7.5)	34 / 32	30 / 28	SD2100	C1	7.5	
15 (11)	54 / 48	48 / 42	SD2150	D1	13.0	
20 (15)	65 / 61	58 / 54	SD2200	D1	13.5	



Input Line Voltage: 400 / 480 Volt 3		Output Voltage: 0 - 400 / 460 Volt 3				
HP (kW)	Input Amps	Output Amps	IP 20 Dimensions			
			Model	Size	Weight <sup>1</sup>	
% (0.37)	1.6 / 1.4	1.3 / 1.1	SD405	A1	1.9	
1 (0.75)	2.8 / 2.4	2.3 / 2.0	SD410	A2	2.4	
1% (1.1)	3.6 / 3.2	3.1 / 2.7	SD415	A3	2.9	
2 (1.5)	4.6 / 4.0	3.9 / 3.4	SD420	A3	3.1	
3 (2.2)	6.2 / 5.4	5.5 / 4.8	SD430	A3	3.2	
5 (3.7)	9.8 / 8.6	8.7 / 7.6	SD450	B2	4.6	
7% (5.5)	14.2 / 12.4	12.6 / 11.0	SD475	C1	7.2	
10 (7.5)	18.1 / 15.8	16.1 / 14.0	SD4100	C1	7.5	
15 (11)	27 / 24	24 / 21	SD4150	D1	13.3	
20 (15)	35 / 31	31 / 27	SD4200	D1	13.5	
25 (18.5)	44 / 38	39 / 34	SD4250	D1	13.8	



Input Line Voltage: 480 / 590 Volt 3		Output Voltage: 0 - 460 / 575 Volt 3				
HP (kW)	Input Amps	Output Amps	IP 20 Dimensions			
			Model	Size	Weight <sup>1</sup>	
1 (0.75)	2.1 / 1.9	1.8 / 1.6	SD510	A2	2.4	
2 (1.5)	4.0 / 3.5	3.4 / 3.0	SD520	A3	3.1	
3 (2.2)	4.7	4.2	SD530	B2	4.1	
5 (3.7)	7.4	6.6	SD550	B2	4.7	
7% (5.5)	11.2	9.9	SD575	C1	7.1	
10 (7.5)	13.7	12.2	SD5100	C1	7.4	
15 (11)	22	19	SD5150	D1	7.7	
20 (15)	27	24	SD5200	D1	13.5	
25 (18.5)	31	27	SD5250	D1	14.0	

Dimensions shown are approximate. Refer to User Guide.

<sup>1</sup> Estimated UPS Shipping Weight (lbs.) includes packaging.