

# SL/SLX 5KW to 145KW



## SPRINT ELECTRIC data PRODUCT SPECIFICATIONS

### Three Phase Analogue DC Motor Controllers from 5 KW to 145 KW

AVAILABLE IN 2 AND 4 QUADRANT VERSIONS

**SL** 2 QUADRANT      **SLX** 4 QUADRANT

All Models have built in field weakener for extended speed range

#### SL 5-145KW

Single direction 2 quadrant DC Motor controller. Models from 5kw to 50kw and 145kw include a rate controllable fully regenerative stopping facility. This star feature is unique to Sprint Electric and completely eliminates costly and wasteful dynamic braking resistors or even the requirement for a 4 quadrant drive. Available in two slimline package sizes 5-50kw and 65-145kw, the SL is dimensionally identical to the SLX.

#### SLX 5-145KW

4 quadrant regenerative drive providing motoring and braking in both directions of rotation. Like the single phase 4Q 3600XRi model, this controller is highly efficient in repetitive braking, reversing or overhauling applications. Both the SL and SLX present many system features including built in high accuracy isolated armature voltage feedback and automatic field weakening for extended speed range. Extremely compact footprint ensures easy integration within new machine designs.

#### Key Features include:

Available from 5kw to 145kw	Many additional input and output signals, ideal for system applications
Built in field weakener for extended speed range	PLC compatible input and output signals
Extra 50% peak torque for rapid acceleration or shock loads	Field current input for constant horsepower applications
Zero reference interlock facility ideal for extruder applications	Delayed field quench for secure emergency stopping
Numerous Alarms for enhanced drive and motor protection	Compact size, saves panel space and makes for easy retrofitting
High accuracy Armature voltage feedback mode eliminates the need for additional tacho in most applications	Adjustable field output for easy motor matching
Enhanced armature voltage range reduces motor cost	Output signals for easy display of motor speed and load
240v to 480v 50/60HZ ac operation	Available in two compact frame sizes
Automatic economy field mode protects motors in cold climates	
Torque control input for basic winding or tension control, with overspeed limiting	

## Rating table & dimensions

SL 2 QUADRANT SLX 4 QUADRANT	MAX CONTINUOUS ARMATURE CURRENT	NOMINAL POWER @ 460V DC	FRAME SIZE
SL and SLX 5	12A	5KW	250 x 204 x 143mm 9.8" x 8.0" x 5.6"
SL and SLX 10	24A	10KW	
SL and SLX 15	36A	15KW	
SL and SLX 20	48A	20KW	
SL and SLX 30	72A	30KW	
SL and SLX 40	96A	40KW	
SL and SLX 50	120A	50KW	
SL and SLX 65	155A	65KW	410 x 204 x 187 mm 16.1" x 8.0" x 7.4"
SL and SLX 85	205A	85KW	
SL and SLX 115	270A	115KW	
SL and SLX 145	330A	145KW	

**SL/SLX  
65-145KW**



**SL/SLX  
5-50KW**



## CD-ROM VERSION OF SPRINT ELECTRIC WEB SITE OFFERS A HOST OF FREE SOFTWARE AND DRIVES DATA

A WEALTH OF USEFUL INFORMATION AND SOFTWARE FOR THE SELECTION, SPECIFICATION AND CONFIGURATION OF DC DRIVES HAS BEEN CRAMMED ON TO A NEW CD.

Available free on request and included with every Sprint Electric digital DC drive, the CD-ROM is an off-line version of Sprint Electric's recently redesigned and expanded web site [www.sprint-electric.com](http://www.sprint-electric.com). It includes full specifications, technical manuals and troubleshooting guides for Sprint's entire range of over 50 digital and analogue DC drives - the widest selection currently available from any manufacturer.



Also included is a full version of Sprint's PL Pilot software for the configuration of single or multiple PL/X digital drives. This easy to use Windows-based package makes programming and diagnostics for these sophisticated drives straightforward, even for users with no specialist knowledge.

Other useful features for expert and inexperienced users alike are the detailed glossary of drives terms and a comprehensive section giving detailed answers to frequently asked questions on drives configuration.

A news section gives details on Sprint's latest product launches and applications, while a selection of web links enables users with internet access to connect direct to other drives web sites.

This practical and informative CD-ROM is of use to anyone designing, operating or installing DC drive systems, whether or not they are using Sprint's range of modern products.

Visit our website for all the latest information regarding DC drives

[www.sprint-electric.com](http://www.sprint-electric.com)

**SPRINT ELECTRIC**

Tel: (01903) 730000 Fax: (01903) 730893 Email: [info@sprint-electric.com](mailto:info@sprint-electric.com)

RUDFORD INDUSTRIAL ESTATE FORD ARUNDEL WEST SUSSEX UK BN18 0BD