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.

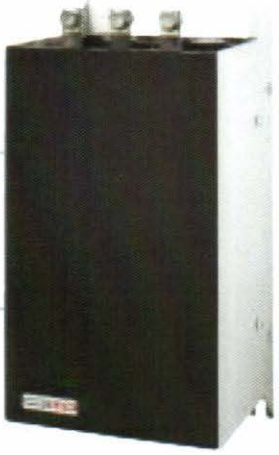
Key Features include:

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

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	
SL and SLX 10	24A	10KW	250 x 204 x 143mm 9.8" x 8.0" x 5.6"
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	
SL and SLX 85	205A	85KW	410 x 204 x 187 mm 16.1" x 8.0" x 7.4"
SL and SLX 115	270A	115KW	
SL and SLX 145	330A	145KW	

SL/SLX
65-145KW



SL/SLX
5-50KW

