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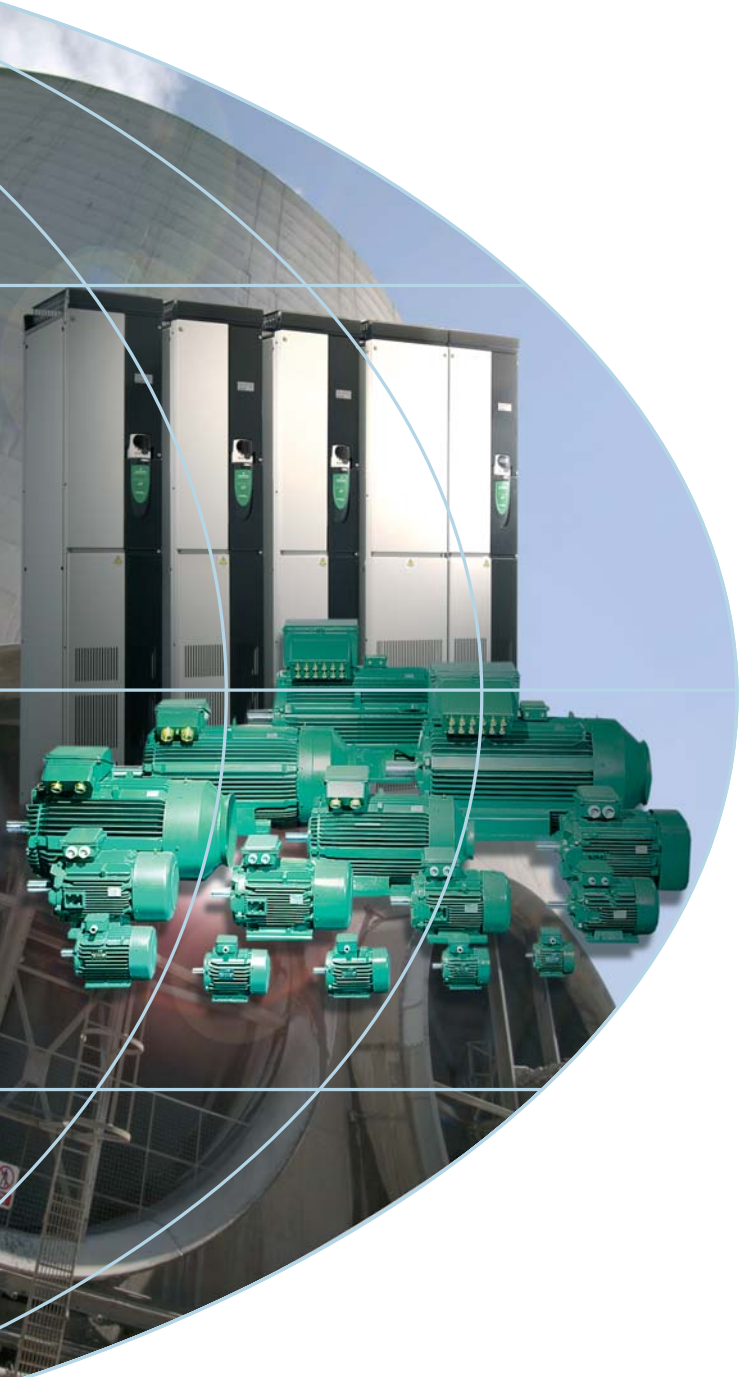
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**EMERSON**<sup>™</sup>  
Industrial Automation

## Motor & Drive Solutions

From 90 to 675kW  
(150HP to 1000HP)



## EMERSON MOTOR AND DRIVE SOLUTIONS

Control Techniques Unidrive SP Free Standing drives and Leroy Somer cast iron FLS motors offer a total Emerson solution for your high power drive applications. Both companies offer quality and technology leadership to deliver the best possible combination of motors and drives. High efficiency motors combined with variable speed control offers an energy optimised solution.

### CONTROL TECHNIQUES UNIDRIVE SP FREE STANDING 90 – 675kW

Unidrive SP Free Standing is a range of compact AC drives for high power motors. They inherit their reliability, performance and flexibility from the Unidrive SP modular range.

#### THE HARD WORK HAS BEEN DONE

Unidrive SP Free Standing drives are fully engineered and tested drive cubicles for AC input AC output configurations. Proven design and international approvals release your engineering resources to focus on your application.

Ordering a Unidrive SP Free Standing is easy. A simple model number specifies the drive power, voltage and dynamic braking requirement, additional reference codes add cabinet ancillaries such as MCCB, contactor, safety relay and EMC filter. The drive arrives ready to be sited in position, connected and commissioned. Standard colour and dimensions mean that Free Standing drives can be linked together with other cabinets.

#### MUCH MORE COMPACT

Unidrive SP Free Standing drives are up to 50% smaller and much lighter than competitors 'compact' drive cabinets. As an example, a 200kW drive including all in-cabinet ancillaries is only 400mm wide. This makes Unidrive SP Free Standing the obvious choice where space is limited.



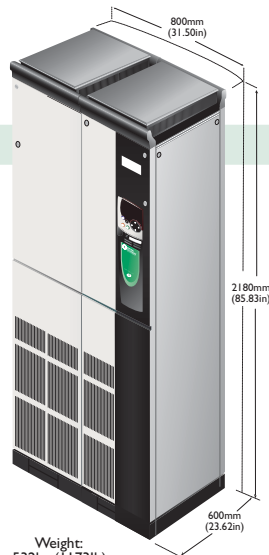
90-355kW



Weights:  
SP6: 199kg (439lb)  
SP7: 214kg (472lb)  
SP8: 266kg (586lb)

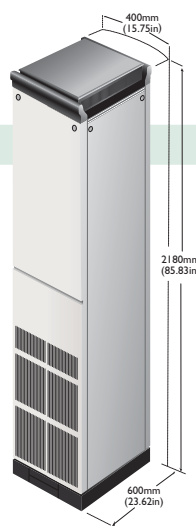
SP6, SP7, SP8

400-675kW



Weight:  
532kg (1173lb)

SP9



SP Incomer

#### EASY TO MAINTAIN

Innovative design enables the compact drive modules to be easily accessed and removed for servicing or replacement.

#### PROVEN RELIABILITY

Unidrive SP Free Standing utilises mass produced drive modules with proven design and reliability. The modules and cubicles are assembled using a sequential build process that eliminates build variation and delivers consistently high quality. Excellent thermal and electrical design and computer modelling has ensured the converters have a long and productive life with trouble free operation.

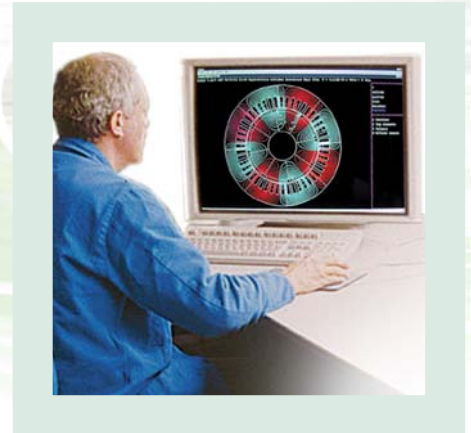
IP21

## EFFICIENT PERFORMANCE

The electrical, magnetic and mechanical design of the motor has been developed using sophisticated modelling techniques such as finite element analysis that ensure exceptional thermal and torque generating performance and optimum motor reliability.

FLS motors are high efficiency to minimise energy consumption which combined with Control Techniques drives offers an energy optimised solution for your drive applications.

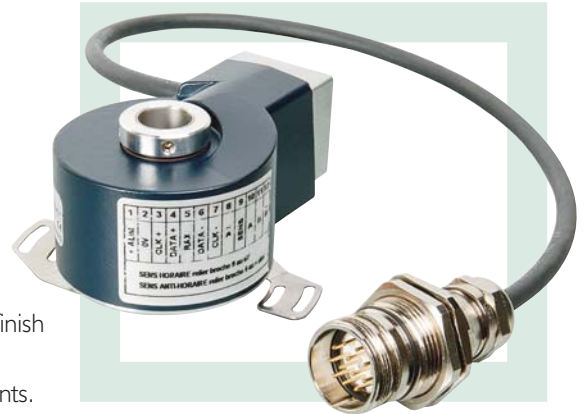
High levels of shock and vibration resistance ensure the motors are reliable in the most demanding applications such as steel production, dock cranes or cement works.



## FLEXIBLE POWER

FLS motors are available with a wide range of choices to ensure the motor matches your application needs. Various feedback devices, insulated bearings, safety brake and thermal protection methods are available.

FLS motors can be specified with CORROBLOC for an anti-corrosion finish that enables the motors to be used in humid, corrosive or harsh environments.



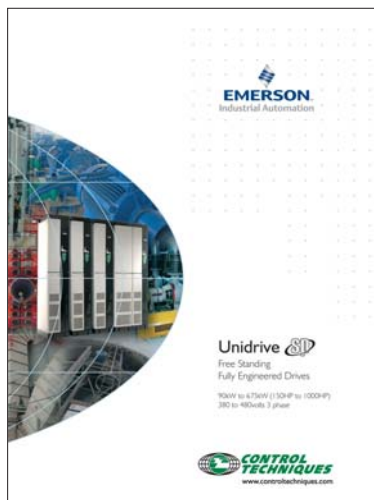
A standard range of motors are available for immediate delivery up to 300kW at 400 Volts.

## GLOBAL SERVICE

Control Techniques and Leroy Somer sales and support centres are located around the world to ensure that service and expertise are just around the corner, all around the world.

## LEROY SOMER FLS MOTORS

The FLS range of motors from Leroy Somer offers a standard series of AC motors that cover the power range of Control Techniques Unidrive SP Free Standing drives. The rugged and flexible design means that the motor can be reliably applied in almost any application.



◀ For more information regarding Unidrive SP Free Standing refer to Brochure 0175-0346

For more information regarding FLS motors refer to catalogue 3653 ▶

