

Lincoln Electric®

**Speedtec® 400-S / 500-S & LF-45**

## ADVANTAGE

- ▶ **Superb Arc Characteristics**  
in MIG, Stick and TIG Lift modes
- ▶ **Excellent arc starting and stability**  
constructed for general applications
- ▶ **A variety of features**  
for perfect welding
- ▶ **Digital meters**  
allow for presetting and readout of the actual parameters during welding
- ▶ **8 procedures memory locations**  
for storage of specific work settings
- ▶ **Inverter technology**  
reduces energy demand



# HIGH PRODUCTIVITY INDUSTRIOUS RELIABILITY !

The Speedtec® range is the Lincoln Electric solution for Industrial Multi-process applications. With modular and compact design this welding set is easy to move around site and transport is trouble free thanks to the lower weight of this new design.

With new inverter technology and 32 KHz inverter frequency, the arc is precisely controlled, many times faster than conventional analogue power sources. The electrical characteristics of the welding power can be changed by software in real time updates. A wide range of synergic programs are available as standard allowing simple yet precise control of welding parameters for the best results every time.

The Speedtec machines utilise the very latest power source technology for efficiency and lower energy consumption. Their advanced Inverter technology will save both time as well as energy. Driven by Lincoln Electric's Green Initiative, we aim to reduce the costs to you as well as the environment. These welding sets are available as 400A rated at 80% or 500A rated at 60% duty cycle (at 40°C).

With the LF 45 wire feed unit the welding set can support the MIG processes with synergic programs for Steel, Stainless Steel, Aluminium and Flux cored wires. Lift TIG and Stick functions are available as standard. Thanks to its user-friendly and clear user interface controls, operation of the Speedtec could not be easier - This machine is designed with the operator in mind.

SPEEDTEC® – speed up welding processes by Inverter Technology from Lincoln Electric

# Speedtec® 400-S / 500-S & LF-45

## TECHNICAL SPECIFICATIONS POWER SOURCES

Product	Item Number	Primary Voltage (+/-10%) /Power factor/ Efficiency	Fuse Size (slow)	Weight (kg)	Dimensions HxWxD (mm)	Protection Class	Compliance
Speedtec 400-S	K14053-1	415 V 3ph 50/60Hz 0.95/88%	25A	50	476 x 305 x 600	IP23	EN 60974-1 EN 60974-10 ROHS
Speedtec 500-S	K14052-1		40A				

## WELDING OUTPUT

Product	Current Range (A)	Input@rated output	Rated Output (40°C)	Max. OCV
<b>Speedtec® 400S</b>				
<b>Stick</b>	5 – 400	17.1 kVA @ 80%	400A/36.0V/80%	73 Vdc
<b>TIG</b>		12.8 kVA @ 80%	400A/26.0V/80%	
<b>MIG</b>	20 – 400	16.2 kVA @ 80%	400A/34.0V/80%	
<b>Speedtec® 500S</b>				
<b>Stick</b>	5 – 500	24.0 kVA @ 60%	390A/35.5V/100% 500A/40V/60%	73 Vdc
<b>TIG</b>		18.4 kVA @ 60%	390A/25.5V/100% 500A/30V/60%	
<b>MIG</b>	20 – 500	23.3 kVA @ 60%	390A/33.5V/100% 500A/39V/60%	

## ACCESSORIES

Item Number	Description
K14096-1	Undercarriage
K14067-1	Cool Arc® 45
K10349-PG-10M	Interconnection cable, gas cooled. 10m
K10349-PG-15M	Interconnection cable, gas cooled. 15m
K10349-PGW-10M	Interconnection cable, water cooled 10m
K10413-360-4M	Lincoln Gun 360 4m
K10413-42-5M	Lincoln Gun 420G 5m
K10413-410-4M	Lincoln Gun 415W 4m
K10413-500-5M	Lincoln Gun 500W 5m

## TECHNICAL SPECIFICATIONS WIRE FEEDERS

Product	Item Number	Wire size	Drive rolls	WFS (m/min)	Weight (kg)	Dimensions HxWxD (mm)	Weld modes	Functions
<b>LF45</b>	K14072-1	0.8-1.6	4	1.0-20	17	440 x 270 x 636	Stick, TIG, MIG Synergic: Fe, SS, Al, FCW	MIG: Burnback, Gas purge, Cold Inch, Crater, Pre & Post flow, Spot Timer, Run in. Others: Memory, Inductance, Arc Linc communications

## CONTROL PANEL



- Wire Feed Speed / Amperage
- Actual voltage / Indication above or below synergic line
- Presetting WFS
- Presetting Trim of voltage
- Detailed welding and diagnostic information
- Welding mode, Inductance (CV), Hot Start/Arc Force (CC), memory jobs
- Set up status indication
- Arc start, arc end, trigger options
- CC Dinse connection for Stick
- 12-pin connection for gun remote or push-pull gun
- Air/Water cooling as standard
- Euroconnector for Linc Gun

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Your Lincoln Electric Distributor:

### CUSTOMER ASSISTANCE POLICY

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