

ADVANTAGE

▶ Three unique units

Different outputs, performance and features fit any customer requirements

▶ Long cables

Primary power extension cables up to 60m can be used with the 150S and 170S

▶ Robust design

Unique rubber corners, metal housing and push control buttons to withstand tough environmental conditions

▶ Premium arc

Advanced Lincoln technology and Lincoln know-how guarantees to make these machines weld to optimum performance every time

▶ Power Surplus

Additional power for superior arc control

▶ Soft and Crisp mode

Selectable arc modes for different electrode types (150S & 170S only)

▶ Auto Adaptive Arc Force

For a stable arc with low spatter levels as standard on the 150S and 170S

▶ Built in "hot Start"

For excellent arc striking, standard on the 150S and 170S

▶ Lift TIG

with excellent striking without tungsten contamination (Lift TIG for 150S & 170S, scratch TIG for 135S)

▶ Generator ready

The 150S and 170S are ready to go for use with generators

▶ Two Years Full Parts and Labour Warranty



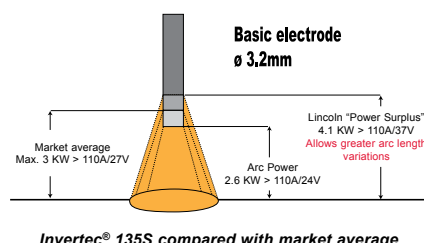
Built for the Job

The Inverter[®] 135S, 150S and 170S from Lincoln Electric offers a range of machines built with the job in mind. These stick machines are suited to a variety of applications and working environments, ensuring that there will be a machine to meet your needs.

Across the range, these designs have focused on providing excellent welding and starting behaviour in a robust and reliable package. From this foundation, each unit is further equipped with a unique set of features and capabilities to guarantee there is a machine perfect for your application.

Welding machines need to be tough. At Lincoln Electric we know that modern equipment needs to be capable of handling harsh environmental conditions. That is why we have built this range in a robust metal case with large rubber corners and push control buttons for added protection. Rugged and robust on one hand, portable on another; the Inverter 135, 150 and 170S are lightweight and easy to handle in any situation.

Amps are not the only requirement! A good start and smooth arc requires more than simply amps and voltage. The Inverter[®] range is equipped with POWER SURPLUS in addition to normal welding current. This advanced control monitors the arc, constantly adjusting output to ensure a stable arc and first-rate starting, even when the arc-length varies greatly.



Inverter[®] 135S compared with market average

The superior arc control achieved with POWER SURPLUS makes the difference between an excellent welding performance and a Lincoln Electric welding performance!



Invertec[®] 135S – 150S – 170S

TECHNICAL SPECIFICATIONS



Product	Item Number	Primary Voltage	Fuse Size	Weight (kg)	Dimensions HxWxD (mm)	Protection Class	Insulation Class	Compliance
135S	K12033-1 / K12033-1-P*	230 V 1ph (± 15%) 50Hz	16A (slow)	4.6	224 x 148 x 315	IP21	H	EN 60974-1 ROHS CE
150S	K12034-1 / K12034-1-P*			6.7	244 x 148 x 365	IP23		
170S	K12035-1 / K12035-1-P*			7.0				

*P = Ready to weld Pack

WELDING OUTPUT

Product	Current range	Rated output (40°C)	Rated output (20°C)
135S	10 - 120A	120A @ 25%	120A @ 50%
150S	10 - 140A	140A @ 30%	140A @ 55%
170S	10 - 160A	160A @ 35%	160A @ 80%

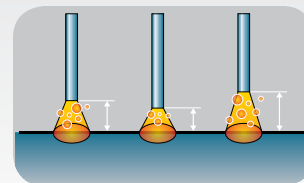
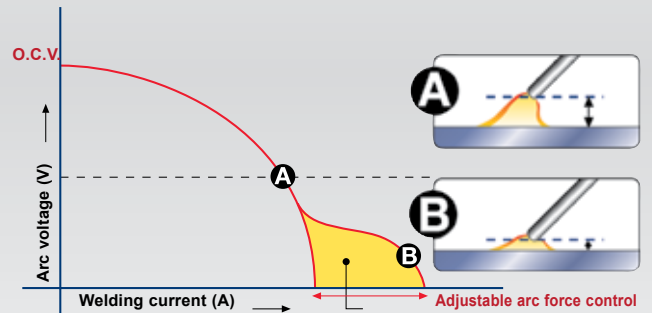
SELECTION TABLE

	135S	150S	170S
Applications			
Electrode Ø (mm)	1.5 - 3.2		1.5 - 4.0
Rutile / basic	●	●	●
Performance			
Hot start		●	●
Auto-adaptative arc force		●	●
Soft & crisp mode		●	●
Advanced arc control	●	●	●
Anti-stick	●	●	●
Environment			
Long cables	●(30m)	●(60m)	●(60m)
Generator use		●	●
Features			
Lift TIG	●(Scratch)	●(Lift TIG)	●(Lift TIG)
Digital meter			●
Fan on demand		●	●
Packaging			
	Machine + Cables	Machine only	
	Machine + Cables + Brush + Hammer + Shield		

ACCESSORIES

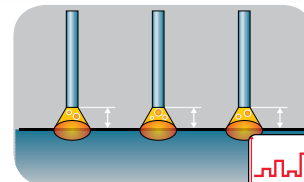
Item number	Description
KIT140A-16-3M	Cable kit 140A, 16mm ² , 3m
KIT140A-25-5M	Cable kit 140A, 25mm ² , 5m
K10513-17-4VS	TIG torch LT17 GV, 4m
K10513-17-4VS	TIG torch LT17 GV, 8m

AUTO-ADAPTATIVE ARC FORCE



Standard Arc Force

With Standard Arc Force, the peak in welding current which prevents the electrode from sticking in the weld pool is pre-set. The fixed peak may react aggressively, causing spatter and an unstable Arc.



Auto-adaptative arc force

Auto Adaptive Arc Force measures the arc voltage continually to adapt the optimum value of Arc Force. This optimises the Arc stability without the risk of electrode sticking and minimises spatter.

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