

# Invertec® 135S, 150S, 170S

Small, powerful and robust

The Invertec® 135S, 150S and 170S offer 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. The design has been focused on providing excellent welding and starting behaviour in a robust and reliable package. Each unit is equipped with a unique set of features and capabilities to guarantee perfect welding 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 Invertec® 135S, 150S and 170S are lightweight and easy to handle in any situation.

## Features

- Robust design: unique rubber corners and metal housing to withstand tough environmental conditions.
- Premium arc: advanced Lincoln technology and Lincoln know-how guarantees optimum performance every time.
- Power Surplus: additional power for superior arc control.
- Auto Adaptive Arc Force (150S and 170S).
- Built in "Hot Start" for stable arc with lower spatter level (150S and 170S).
- Long cables: primary power extension cables up to 60 m can be used with the 150S and 170S.
- Lift TIG with excellent striking without tungsten contaminations (150S and 170S).
- Portable lightweight, small and robust.



- Processes**
- Stick
  - Lift TIG (Invertec® 150S and 170S)
  - TIG Scratch (Invertec® 135S)
- Recommended Consumables**
- **Steel**  
Pantafix®, Omnia® 46, Baso® G, 120, 48SP
  - **Stainless steel**  
Arosta®, Limarosta®, Jungo® 304L, 316L, 309S
  - **Hardfacing**  
Wearshield® MM, ME / RepTec
- Unit Includes**
- 2m input cable
  - Carrying strap
- Key Options**
- **KIT-140A-16-3M** Cable Kit 140A  
– 16 mm<sup>2</sup> – 3 m
  - **KIT-140A-25-5M** Cable Kit 140A  
– 25 mm<sup>2</sup> – 5 m
  - **K10529-17-4VS** TIG torch LTP 17 GV  
– 4 m



Pack version



Among other tests, the Invertec® 135S, 150S and 170S were subjected to extreme temperature environmental testing.



## Technical Specifications

Product	Item Number	Primary Voltage (50-60 Hz)	Current Range (A)	Rated Output	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)	Protection/ Insulation Class
Invertec® 135S	K12033-1	230V/1Ph	10-120	120A/24.8V@25%	14	5.0	224 x 148 x 315	IP21 / F
	K12033-1-P			70A/22.8V@100%				
Invertec® 150S	K12034-1		10-140	140A/25.6V@25%	17	7.4	244 x 148 x 365	IP23 / F
	K12034-1-P			80A/23.5V@100%				
Invertec® 170S	K12035-1		10-160	160A/26.4V@20%	23	7.8	244 x 148 x 365	
	K12035-1-P			80A/24V@100%				

