

## ADVANTAGE

- ▶ **Top performance**  
Advanced inverter technology optimizes arc performance in a lightweight package
- ▶ **Efficient**  
AC or DC output for a wide variety of material types and thicknesses
- ▶ **Flexible**  
Three modes of operation : DC TIG, AC TIG or Stick
- ▶ **Auto-reconnects**  
for 115/230V 50/60Hz input power
- ▶ **Adjustable AC frequency**  
allows you to focus the arc for precise arc control.
- ▶ **Fan on demand**  
built-in reduces power and the intake of dust and fumes



# Code Quality AC/DC TIG welding

The Inverter<sup>®</sup> V205-T AC/DC is an industrial TIG welding machine designed and manufactured using the latest inverter digital technology enabling the machine to perform at 200A at 40% duty cycle.

The controller provides all the features you would expect from a professional AC/DC TIG inverter welding machine combined with a user-friendly layout. The variable frequency control allows the welder to adjust the arc focus to suit the application. A standard feature is the adjustable cleaning and penetration facility, used to gain the ideal balance between cleaning the aluminum surface of oxide and the penetration of the weld.

The machines operate using a square wave AC form as standard but can be set to an alternative wave form dependent on the welder's needs. Adjustable Starting current is also available on this machine.

With Aluminium a high starting current will support better wetting and improved weld appearance.

The machine is supplied air-cooled as standard, however it can be easily converted to water-cooled with the addition of the Lincoln COOL ARC<sup>®</sup> 20 water-cooler.

# Invertec® V205-T AC/DC

## TECHNICAL SPECIFICATIONS

Product	Item Number	Primary Voltage	Fuse Size	Weight (kg)	Dimensions HxWxD (mm)	Protection/ Insulation Class	Compliance
V205-T AC/DC	K1855-2	115/230V/1/50-60Hz	32/16A	18	385 x 215 x 480	IP23C / H	EN 60974-1 ROHS CE

## COOL ARC® 20

Item Number	Flow Rate	Dimensions HxWxD (mm)	Tank Capacity	Weight (kg)
K12031-1	2.5 Liters/min.	180 x 210 x 480	1.7 l	8.3



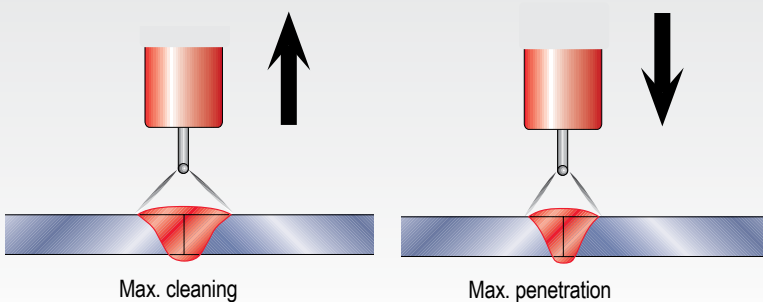
## WELDING OUTPUT

Current range (A)	Voltage	TIG AC (40°C)	STICK DC (40°C)	O.C.V
		Rated Output Current / Voltage / Duty Cycle	Rated Output Current / Voltage / Duty Cycle	
6 - 200A	115V AC	150A / 16V / 40% 120A / 14.8V / 60%	110A / 24.4 V / 35% 90A / 23.6 V / 60%	53.7 V DC
	230V AC	200A / 18V / 40% 170A / 16.8V / 60%	180 A / 27.2 V / 35% 150 A / 26.0 V / 60%	

## ACCESSORIES

Item Number	Description
KIT-200A-25-3M	Cable kit, 200A, 25mm <sup>2</sup> , 3m
KIT-200A-25-3M	Cable kit, 200A, 35mm <sup>2</sup> , 5m
GRD-200-35-5M	Ground cable, 200A, 35mm <sup>2</sup> , 5m
K10420-1	Acorox (2 x 5 l)
W0200002	Undercarriage
K10513-18-4M	LT 18 W Water-cooled TIG torch 4m
K10513-26-4M	LT 26 G Gas-cooled TIG torch 4m

## ADJUSTABLE AC BALANCE



## FEATURES

Features	Parameters
AC Frequency	20-150 Hz
AC balance	35-85 %
Pulse Frequency	0.1-500 Hz
On time peak	5 -95 %
Background Current	1-200 A
Up Slope Time	0-10 s
Down Slope Time	0-10 s
Post Flow Time	0.2-60 s
Wave Shape	Square/Triangle/Sinusoidal

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