

ADVANTAGE

- ▶ **Top performance**
Advanced inverter technology optimizes arc performance in a lightweight package
- ▶ **Versatile**
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 115/240V 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



Invertec[®] V205-T AC/DC



Code Quality AC/DC TIG welding

The Invertec[®] 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 AC frequency control allows the welder to adjust the arc focus when precise arc control is required. 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 waveform as standard but can be set to an alternative waveforms 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[®] 20 water-cooler.



TECHNICAL SPECIFICATIONS

Product	Item Number	Primary Voltage	Fuse Size	Weight (kg)	Dimensions HxWxD (mm)	Protection/ Insulation Class	Compliance
V205-T AC/DC	K1855-3	240V/1/50-60Hz	16A (slow)	17.6	380x 210 x 480	IP23C / H	EN 60974-1 ROHS CE

WELDING OUTPUT

Current range (A)	Input 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	240V AC	200A / 18V / 40% 170A / 16.8V / 60%	180 A / 27.2 V / 35% 150 A / 26.0 V / 60%	53.7 V DC

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

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 sec
Down Slope Time	0.2-10 sec
Post Flow Time	0.2-60 sec
Wave Shape	Square/Triangle/Sinusoidal



A CLOSER LOOK

