

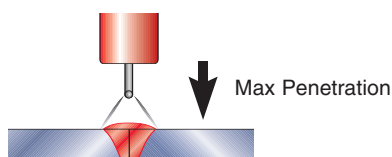
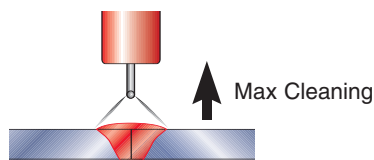
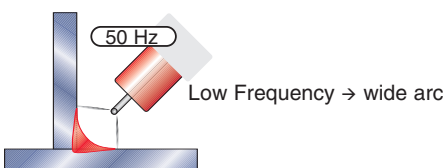
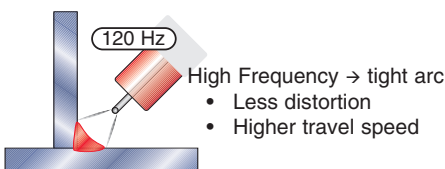
INVERTEC V305-T AC/DC



The Invertec V305-T AC/DC is an industrial TIG welding machine designed and manufactured using the latest inverter digital technology enabling the machine to perform at a high output of 300A at 40% duty cycle. The V305-T AC/DC 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.

CLEANING AND PENETRATION

A standard feature on the V305-T AC/DC 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 machine operates using a square wave AC form as standard but can be set to an alternative wave forms



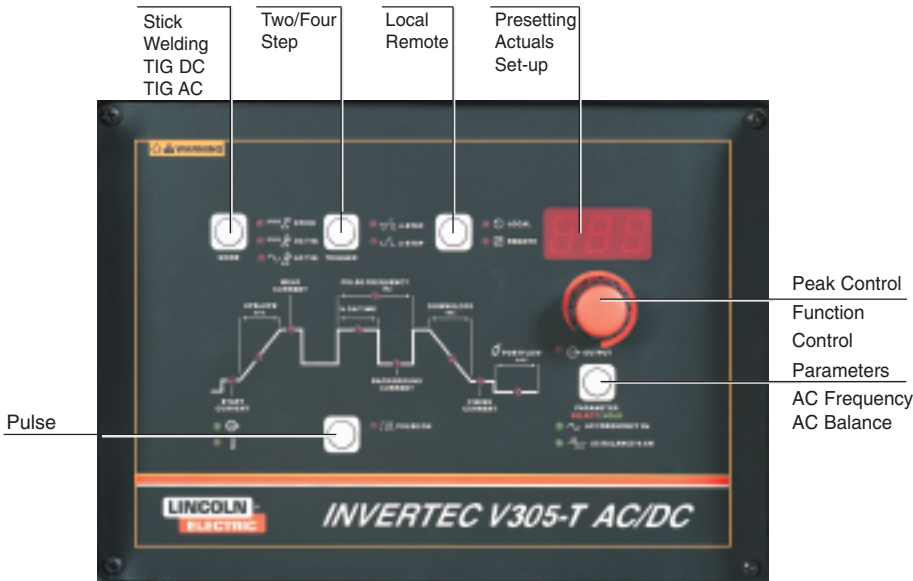
dependent on the welder's needs. Adjustable Starting current is also available on this machine. With Aluminum a high starting current will support better wetting and improved weld appearance. The machine is supplied air-cooled as standard, however it can be easily converted to water-cooled with the addition of the Cool Arc 30 water-cooler. The addition of the Cool Arc 30 allows the machine to operate at high current with lightweight water-cooled torches. The Invertec V305-T AC/DC is a well-featured user-friendly machine built to last.

ADVANTAGE LINCOLN

- Digital inverter technology allowing 100% reproducible results
- Superb welding characteristics with TIG AC, TIG DC and MMAW
- Full function user-friendly control panel layout for easy set up of the welding parameters
- Adjustable cleaning and penetration for perfect aluminium welding.
- Variable AC frequency for control of travel speed and penetration
- Adjustable Hot or Soft start to produce a better weld bead appearance at the start
- Digital display allows precise setting of welding parameters
- Menu driven for easy operator set-up
- Available as either air-cooled or water-cooled
- Fan As Needed (F.A.N) reduces power consumption and the intake of dust
- Two year warranty

INVERTEC V305-T AC/DC

A CLOSER LOOK



FEATURES

Feature	Parameter
AC Frequency	20 - 150 Hz
AC Balance	35 - 85% EN
Pulse Frequency	1 - 500 Hz
On time peak	5 - 95%
Background current	1 - 300 A
Up Slope Time	0 - 10 sec
Down Slope Time	0 - 10 sec
Post Flow Time	0.2 - 60 sec
Wave Shape	- Square - Triangle - Sinusoidal

TECHNICAL SPECIFICATIONS

Product Name	Item Number	Standard Voltage	Fuse Size	Weight	Dimensions H x W x D (mm)	Recommended Generator
Invertec V305-T AC/DC	K2167-1	415V 3Ph	16 A (slow)	33 kg	500 x 275 x 610	8kVA

Product Name	Item Number	Standard Voltage	Freq.	H. Max	Dimensions H x W x D	Water Out	Weight incl. Coolant
Coolarc 30	K2168-1	415V 1 Ph	50 Hz	32 M	250 x 270 x 655	9 L/Min.	14 kg

WELDING OUTPUT

Current Range	Rated Output TIG AC (40°C)	Rated Output MMAW DC (40°C)	O.C.V
6 - 300A	300A @ 40% 250A @ 60%	300A @ 40% 250A @ 60%	81V

ACCESSORIES

Part Number	Description
KA 1386-05	Work return lead 5m
K 32009	Reditig SR26 FX Flexihead 8m
K 32011	Reditig SR18 watercooled 8m
K963-2	Hand amptrol
K870	Foot amptrol
K857	Remote output control

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice and assumes no responsibility, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customer's particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products. Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements. Subject to Change - This information is accurate to the best of our knowledge at the time of printing.

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