



ADVANTAGES

- ✓ Digital inverter technology allowing 100% reproducible results.
- ✓ Superb welding characteristics with TIG AC, TIG DC and MMA.
- ✓ Full function user-friendly control panel layout for easy set up of the welding parameters.
- ✓ High duty cycle :
 - V205-T AC/DC : 230V or 115V - 1ph - 16A
 - V305-T AC/DC : 400V 3ph - 20A
- ✓ 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.
- ✓ Available as either air-cooled or water-cooled.
- ✓ Fan As Needed (F.A.N.) reduces power consumption and the intake of dust and fume particles and reduces wear (V305T AC/DC only).
- ✓ Built the Lincoln way 'Rugged & Reliable'.
- ✓ Two year warranty

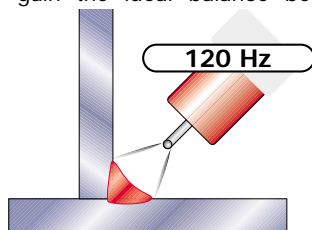


PERFECT PERFORMANCE, DIGITAL DYNAMICS

The Invertec V205-T AC/DC & V305-T AC/DC are industrial TIG welding machines designed and manufactured using the latest inverter digital technology enabling the machines to perform at high outputs : respectively 200A and 300A 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



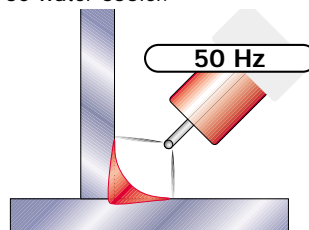
High frequency → tight arc

- Less distortion
- Higher travel speed

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

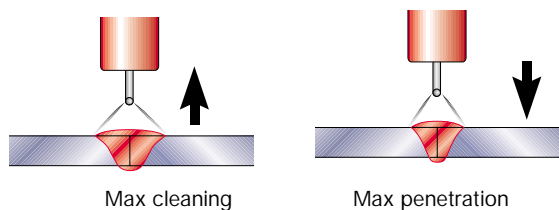
The machine is supplied air-cooled as standard, however it can be easily converted to water-cooled with the addition of the Lincoln Cool Arc 20 or 30 water-cooler.



Low frequency → wide arc

Technical Details

ADJUSTABLE AC BALANCE



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	Protection Class	Insulation Class	Compliance
Invertec V205-T AC/DC	K1855-2	115 / 230V -1ph	16A (Slow)	17.6KG	380x210x480	IP23C	H	EN60974-1 / EN50199 CE
Invertec V305-T AC/DC	K2167-1	400 V - 3ph	20A (Slow)	33KG	500x275x610			

Product Name	Item Number	Standard Voltage	Freq.	H. Max	Dimensions H x W x D	Water Out	Weight incl. Coolant
Coolarc 20	K1904-1	230V 1Ph	50Hz	50M	180x210x480	2,5 L/Min.	9,4KG
Coolarc 30	K2168-1	400V 1Ph	50Hz	32M	250x270x655	9 L/Min.	14KG

WELDING OUTPUT

Product Name	Current Range	Rated Output TIG DC (40°C)	O.C.V.
V205-T AC/DC	6 - 200A	200A / 40% 120A / 60%	53,7Vdc
V305-T AC/DC	6- 300 A	300A / 40% 250A / 60%	81Vdc

ACCESSORIES

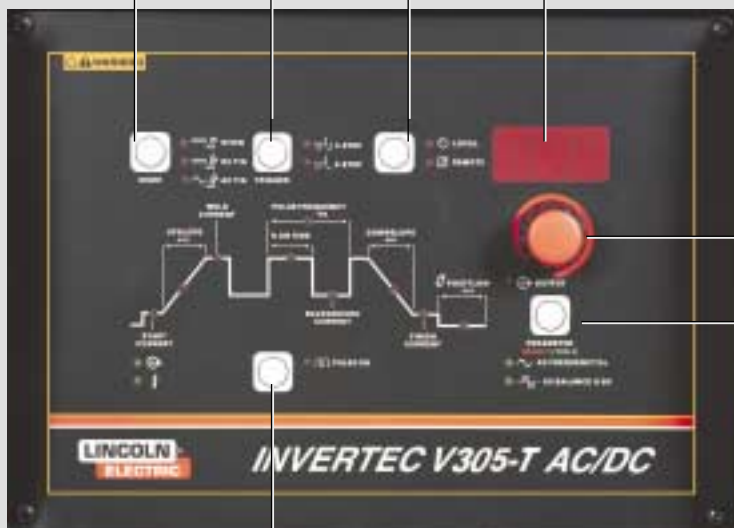
Item Number	Description
K10095-1-15M	Hand Amptrol
K10398	15m-extension cable for remote ctrl box
K870	Foot Amptrol
W0200002	Undercarriage 2 wheels (V205-T AC/DC)
W0200003	Undercarriage 4 wheels (V305-T AC/DC)

Stick
Welding
TIG DC
TIG AC

Two/Four
Step

Local
Remote

Presetting
Actuals
Set-up



Pulse

Peak Control
Function Control

Parameters
AC Frequency
AC Balance

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