

**DURALLOY®**

# TIG 320 AC/DC PULSE

3-Phase AC/DC TIG Inverter  
Welding machine

PART NO: **DA320ACDC**



TIG



STICK

EN60974-1:2012



3 YEAR  
WARRANTY

## DIGITAL DISPLAY

Digital control panel makes setting welding parameters easier

## PULSE FUNCTION

Fully adjustable pulse parameters for welding thin materials

## AC BALANCE CONTROL

AC balance control (50-85%) monitors the oxide and helps improve cleaning and penetration during Aluminium welding

## AC WAVEFORMS

Choice of square wave, sine wave, triangular wave and DC

## PROTECTION

Over-heat, over-voltage, over-current and phase loss

## FEATURES

- 4m Switched Flexi Neck TIG Torch
- Gas Flow Meter Regulator
- AC/DC Technology
- Adjustable Pulse Parameters with choice of 3 AC/DC waves + DC Output
- Adjustable Pre/Post Gas
- High duty cycle with IGBT module for industrial application
- Industrial Cable Connectors (35-50)
- Quick Connect Gas Fitting
- Adjustable Frequency 50 - 250 Hz
- Protective Front Fascia cover
- 32 Amp Primary Plug fitted
- IP23 Rating

## SPECIFICATIONS

Power Supply	415V 3 Phase		
Frequency	50/60Hz		
	AC TIG	DC TIG	MMA
Input Power	9kW	9kW	13kW
Input Current	18A	18A	24.6A
Duty Cycle	320A 60%		
40°C 10min	250A 100%		
Welding Current	10A - 320A	10A - 320A	
UP/Down Slope Time	0 - 10 seconds		
Pre/Post Flow Time	0 - 2 / 0-10 seconds		
Pulse Frequency	0.5 - 200 Hz		
AC Frequency	50 - 250 Hz		
Pulse Width Range	5 - 95 %		
Clearance Effect (AC TIG)	15 - 50		
Efficiency	> 85%		
Weight - Power Source	26kg		
Dimensions	550mm x 240mm x 445mm (Power Source)		
Insulation Class	H		
Protection Class	IP23		
Cooling	Auto Fan		

## APPLICATIONS

- Heavy Fabrication
- Aluminium
- General Fabrication
- Pipe & Tube industry
- On-site Fabrication
- Maintenance

## MATERIALS

- Mild Steel
- Aluminium
- Stainless Steel

## OPTIONS

CODE	DESCRIPTION
DAWC	Duralloy Water Cooler
DAWFC	Duralloy Wireless Foot Control
DAFC	Duralloy Foot Control
DATROLLEY	Duralloy Trolley to suit Water Cooler
DAWCTB	Duralloy Toolbox to suit DATROLLEY
DA268TTT	Duralloy 26 8m TIG Torch 12 Pin
DA188TTT	Duralloy 18 F TIG Torch 8m