



AC/DC315_{ST}

ADVANCED TIG INVERTER (380V)

Product Code: 00040627

The AC/DC 315 ST is a ready to weld high frequency AC/DC inverter to tackle the most demanding tig applications. This unit offers three phase AC and AC Pulse Tig, as well as DC and DC pulse Tig with precise adjustment for the perfect arc. Whether welding aluminium, stainless titanium or low alloys, the AC/DC 315 ST offers a smooth, stable and focused arc to give you precise control on even the thinnest materials. The intuitive controls guide you through the various stages of your weld settings and even helps you match your weld settings to the correct tungsten diameter. The 4 meter 260AMP AC @ 100% Duty Cycle UNIarc pro18W torch allows you to easily set your parameter from your torch. Additional features include 2T/4T welding, as well as a built in hotstart, arcforce and VRD for your SMAW applications. The AC/DC 315 ST boasts a 3 year warranty on parts and labour.



Output DC/CC

Input **3** PHASE POWER 50 HZ/60 HZ 380V ±15%



FEATURES

- PRE-FLOW TIME (S) 0.5-10
- POST-FLOW TIME (S) 0.5 - 15
- UP/DOWN-SLOPE TIME (S) 0-15
- AC BALANCE(%) 20-80
- 3 AC WAVE SHAPES IE SQUARE WAVE, TRIANGULAR WAVE, SINE WAVE
- 50 MEMORY SETTINGS
- HOTSTART
- SELF-ADJUSTING ARC FORCE
- VRD
- HIGH FREQUENCY AND LIFT ARC START
- OVER-CURRENT PROTECTION
- THERMAL PROTECTION
- DIGITAL INTEGRATED

OUTPUT RANGE

5 - 315 Amps

DIMENSIONS L X W X H

567 X 224 X 413 mm

DRY WEIGHT

24.7kg

APPLICATIONS

- Maintenance and repair
- Automotive
- Process piping
- Catering equipment
- Sheet metal
- Aluminium component manufacturing
- Aeronautical

MATERIALS

Aluminium / Carbon steel / Stainless steel / Titanium / Copper / Nickel alloys

WELDING PROCESS

AC GTAW / AC PULSED GTAW / DC GTAW / DC PULSED GTAW / SMAW

SPECIFICATIONS

AC/DC 315 ST	
POWER SOURCE (VAC)	3~AC380V±15% 50/60Hz
RATED INPUT CURRENT (A)	35
POWER CAPACITY (KVA)	14.33
TIG OUTPUT CURRENT (A)	5-315
MMA OUTPUT CURRENT (A)	10-250
ARC-FORCE CURRENT (A)	0-100
HOT-START CURRENT (A)	50-100
OCV (V)	56 (VRD:14)
AC FREQUENCY (HZ)	50-200
AC BALANCE (%)	20-80
MIX AC/DC FREQUENCY (HZ)	1.2-50
DC RATIO IN MIX (%)	5-95
BACKGROUND CURRENT (A)	5-315
PULSE FREQUENCY (HZ)	0.5-200
PULSE RATIO (%)	1-99
PRE-GAS TIME (S)	0.5-10
POST-GAS TIME (S)	0.5-15
UP/DOWN-SLOPE TIME (S)	0-15
EFFICIENCY (%)	85
RATED DUTY CYCLE @40°C (%)	GTAW: 315@40% - SMAW: 250@60%
POWER FACTOR	0.7
INSULATION CLASS	F
PROTECTION CLASS	IP23S
DIMENSIONS L X W X H (MM)	567 X 224 X 413
DRY WEIGHT (KG)	24.7 KG

WHAT'S INCLUDED

AC/DC 315 STC - Watercooled with trolley ready to weld

Code	Qty.	Description
40627		WACDC 315 ST WATERCOOLED WITH TROLLEY READY TO WELD
40277	1	315A 380V HIGH FREQUENCY WATERCOOLED WITH TROLLEY UNIARC
40351		UNIARC PRO18W 350A 4M TIG TORCH
21515	5	COLLET BODY 2.4M 10N32 SR17/18/26 PAR 7010196
21494	5	COLLET 2.4MM 10N24 SR17/18/26 PAR 7020009
23978	5	CUP GASKET PAR 18CG
22066	5	CERAMIC CUP 3/8 10MM PAR 10N48
16473	1	BACK CAP LONG 57Y02
26103	10	THORIATED TUNGSTEN RED 2.4MM
26021	1	ZIRCONIATED TUNGSTEN WHITE 2.4MM
	3	GAS HOSE
24176	1	FLOWMETER CP 351
39263	1	DROMEX UNIARC SKULL CAP
36946	1	TECMEN ADF725S TM17 GLOSS BLACK
41826	1	NECK PROTECTION TECMEN NP003
41827	1	HP011-B EXTENDED HEAD PROTECTION TECMEN HELMETS

UNIARC PRO18W Torch

Code	Model	Description
40351	PRO18W	350A 4M TIG TORCH

Integrated digital remote control



ADDITIONAL ITEMS

UNIARC PRO WELDING JACKET

Size Breakdown	
40689	SMALL
40690	MEDIUM
40691	LARGE
40692	EXTRA LARGE
40693	2XL
40694	3XL



WELDING HELMET

Code	Model	Description
36944	ADF815S	TM16 BLUE TM16-ADF815S B
36945	ADF815S	TM16 BLACK AND WHITE TM16-ADF815S BW
36946	ADF725S	M17 GLOSS BLACK TM17-ADF725S B
36947	ADF725S	TM17 RED TM17-ADF725S R
40961	TM1000	TM1000 BLACK FLIP FRONT AUTO DARKENIG HELMET
16221	WC715	UNIARC WELDCREW AUTO DARKENIG HELMET
41826		NECK PROTECTION TECMEN NP003
41827		HP011-B EXTENDED HEAD PROTECTION TECMEN HELMETS



36944



36945



40961



36946



36947



16221



41826



41827