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Product Brochure For W163

DC TIG & MMA (ARC) Inverter Welder-High Frequency - TIG 180P

#KUMJR180P

5-180 Amps Welding Current Range



ORDER CODE:	W163
Type:	DC Inverter Welder
MODEL:	TIG 180P / HF
Part Number:	KUMJR180P
Voltage / Amperage (V / amp):	240 / 15
Recommended Plug (amp):	15
Input Frequency (Hz) (Hz):	~
Input Current (amp):	20.6 - MMA / 16.3 - TIG
Imax (A) (amp):	~
Ieff Current (amp):	14.1 - MMA / 10.8 - TIG
Power Rating (kVA):	4.95
Rated Output Current (amp / V):	150 / 26.0 - MMA & 180 / 17.2 - TIG
Range of Output Current (amp):	10-150 - MMA & 10-180 - TIG
Arc Force (amp):	~
No Load Voltage (V):	56
Pre-Flow (S) (sec):	~
Clean Width (%) (%):	~
Slope-Down Time (S) (sec):	~
Post-Flow Time (sec):	~
Base Current (%):	~
Pulse Frequency (Hz):	~
Pulse Duty Cycle (%):	~
TIG Welding Thickness Range (mm):	~
MMA Welding Thickness Range (mm):	~
MMA Electrode Range (mm):	~
Duty Cycle 40 Deg C - TIG (% @ amp):	20 @ 180
Duty Cycle 40 Deg C - MMA (% @ amp):	20 @ 150
Duty Cycle 40 Deg C - Plasma (% @ amp):	~
Plasma Severance Cut Capacity Carbon Steel (mm):	~
Plasma Production Cut Capacity Carbon Steel (mm):	~
Plasma Production Cut Capacity Aluminium (mm):	~
Dinse Connector:	~
Protection Class:	IP21S
Insulation Class:	B
Standard:	~
Remote Control (Yes / ~):	~
Recommended Generator (kVA):	5.7
Efficency (%):	85
Power Factor:	0.8
Dimensions (mm):	375 x 175 x 330
Nett Weight (kg):	8

Description

The Uni-Tig 180P is an inverter-based DC Tig welding machine with HF arc ignition and pulse capability. Produced using the latest in IGBT technology this low cost and portable machine is reliable, robust and stacked with all the functions you expect from a professional DC Tig welder.

The HF arc ignition provides pre gas and instant arc ignition with the press of the torch switch leaving no tungsten inclusion and no contamination of the tungsten electrode. The Down Slope, Post Gas functions combined with the 2/4T trigger function gives you control of the welder allowing you to control the start and finish of the weld process at a professional level.

The addition of 2 pulse frequency options gives you the added capability to control better the heat input into the work, control better penetration and help control distortion. Combining the functions of the Uni-Tig 180P ensures comprehensive control of the welding parameters

when welding all DC weld-able materials giving a remarkably smooth arc producing high quality Tig welds.

The DC MMA welding capability delivers a smooth and stable arc allowing easy welding with electrodes obtaining high quality welds including cast Iron, stainless and low hydrogen.

The Uni-Tig180P is a professional machine that is suitable for multiple applications; stainless steel fabrication, light industrial use, site welding, repair and maintenance applications. It is supplied with MMA arc lead, argon regulator and SR17-4m tig torch

Built to our specification and manufactured in compliance to AS/NZ60974.1

Features

- Latest IGBT inverter technology

- DC TIG (DC tungsten inert gas welding)
- - HF Arc ignition (prevents tungsten inclusion & tungsten damage)
- - Pulse function, Low 0.5-2Hz - High 50-200Hz
- - 2T/4T Trigger Function
- - Sown slope time - 0.5 seconds
- - Remote Amp control receptacle

- MMA
- - Hot start (improves electrode starting)
- - Arc force (boosts current to prevent electrode extinguishing)

- Australian standards compliant voltage reduction device (VRD)
- Thermal overload protection
- Generator compatible (recommend 6.5KVA minimum)
- Tolerant to variable power supplies

- High Frequency DC TIG Ignition
- Multiple pulse modes
- Down slope time adjustment
- Post gas time adjustment
- 2T & 4T Trigger functions
- Excellent ARC stability
- Over voltage and thermal overload protection
- Quick connect torch & gas fittings
- Shoulder strap included
- Industrial application
- High Strength case construction

Includes

- UNI-TIG 180P DC Welding Inverter

- SR17-4MCP50 Ergo TIG torch with 35/50 Dinse style connection

- 4M ARC Welding lead set 35-50mm Dinse style connections

- UNI-FLAME Argon Flowmeter Regulator

- 2M Gas Hose Complete with fittings

- Carry Strap



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Specific Features



Kit



Right View



Front View

Recommended Accessories

W241
Universal Welder Trolley



W2415
TRI-CART Multi-Machine Welding Trolley



W171
Air Cooled TIG Welding Torch



W119
Anti-Spatter Spray



O0185
CO2/Ar - 86% Argon & 14% Carbon Dioxide Disposable Cylinder



O300
Gas Refillable Cylinder



O304
Gas Refillable Cylinder



O3045
Gas Refillable Cylinder



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O302
Gas Refillable Cylinder



O306
Gas Refillable Cylinder



O3065
Gas Refillable Cylinder



O0171
Argon Gas Regulator



W161
Argon Gas Regulator-Bobbin Flowmeter



W160A
Argon Gas Regulator-Twin Gauge



W590
1.6mm Tig Tungsten Electrode - Zirconiated White



W596
2.4mm Tig Tungsten Electrode - Zirconiated White



W597
1.6mm Tig Tungsten Electrode - Ceriated Grey



W598
2.4mm Tig Tungsten Electrode - Ceriated Grey



W100
ROGUE™ Heavy Duty Welding Gloves - 400mm



W001
Auto Darken Welding Helmet - 9~13 Shade



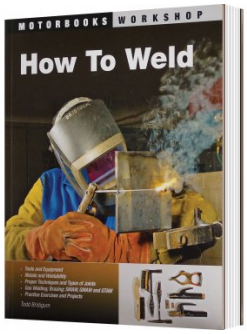
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Product Brochure For W163

W002
Auto Darken Welding Helmet - 9~13 Shade



L3456
How to Weld Book



W225
Welding Curtain



W125
Ø1.6mm TIG Filler Rod - Mild Steel



W126
Ø2.4mm TIG Filler Rod - Mild Steel



W127
Ø1.6mm TIG Filler Rod - Stainless Steel



W128
Ø2.4mm TIG Filler Rod - Stainless Steel

