

# RAZOR ARC 160 PFC FEATURES

UNIMIG  
RazorWeld



## FEATURES

- 10 Amp Plug
- Selectable VRD on/off (Voltage Reduction Device)
- Single PCB construction
- STICK (MMA)
- PFC ( Power Factor Correction) for maximum electrical efficiency
  - Hot start (improves electrode starting)
  - Arc Force (boosts current to prevent electrode extinguishing)
  - Excellent arc stability with all electrodes
- DC TIG
  - Lift Arc ignition (prevents tungsten sticking during arc ignition)
  - Ultra smooth DC TIG welding current
- Thermal overload protection
- IP21S rating for environmental/safety protection
- Generator compatible (recommend 7.5 KVA minimum)
- Auto-compensation for voltage fluctuation
- Minimal harmonic feedback to power grid

## OVERVIEW

### MACHINE PACKAGE: KUMJRRW160CA

- RAZOR ARC 160 PFC Power Source
- 4m Twist Lock Electrode Holder
- 4m 300 Amp Earth Clamp & Lead
- Operating Manual

# RAZOR ARC 160 PFC TECHNICAL DATA

TECHNICAL DATA	
MACHINE	RAZOR ARC 160 PFC
SKU	KUMJRRW160CA
PRIMARY INPUT VOLTAGE	240V Single Phase
SUPPLY PLUG	15A
RATED INPUT POWER (kVA)	7.1
I <sub>eff</sub> (A)	10.0
RATED OUTPUT	160A/26.4V
NO LOAD VOLTAGE (V)	9
PROTECTION CLASS	IP21S
INSULATION CLASS	F
POWER FACTOR	0.99
MINIMUM GENERATOR (kVA)	10.0
DINSE CONNECTOR	35/50
STANDARD	AS/NZ60974-1
WELDS	Mild Steel, Stainless Steel, Copper, Cast Iron
WARRANTY (Years)	3

TIG SPECIFICATIONS	
TIG FUNCTION TYPE	DC Lift Arc
TIG WELDING CURRENT RANGE	10-160A
TIG DUTY CYCLE @ 40°C	45% @ 160A
TIG WELDING THICKNESS RANGE	1.2-3.0mm

STICK SPECIFICATIONS		
STICK WELDING CURRENT RANGE	10-160A	
STICK DUTY CYCLE @ 40°C	20% @ 160A	
STICK ELECTRODE RANGE	2.5-3.2mm	
STICK WELDING THICKNESS RANGE	5.0-10.0mm	

SIZE & WEIGHT	
DIMENSIONS (mm)	365x227x135mm
WEIGHT (kg)	6.5kg

MACHINE FEATURES	
VRD	Yes (Keyable)
THERMAL OVERLOAD PROTECTION	Over Temperature Warning