

1. Machine Features

RAZOR SWF 250 MIG/TIG/STICK Welder



Separate Wire Feeder

This machine supports both gas-shielded MIG and gasless MIG wire, meaning you can easily run mild steel, stainless steel & flux-cored MIG wire.

Gas & Gasless MIG

This machine supports both gas-shielded MIG and gasless MIG wire, meaning you can easily run mild steel, stainless steel & flux-cored MIG wire.

Multi-Process Welding

This three-in-one machine, lets you perform MIG, TIG and STICK welding all on one machine. There is no need to swap between machines, saving you time and setup.

Four Geared Wire Drive

This machine features a four geared roller drive unit, providing the most consistent and smoothest wire feed. This also assists with using longer MIG Torches.

Spool Gun Ready

This machine is Spool Gun ready, so you have the option of attaching a Spool Gun to run softer core wires such as Aluminium MIG wire. The advantage of the Spool Gun is that you do not need to change the setup of your existing torch or drive roller. The spool gun lets you quickly switch over to get the job done with no downtime.

Push-Pull Ready

Push-Pull Guns provide the smoothest wire speed, especially when MIG welding Aluminium. The 'Pull' motor in the torch allows the wire to be fed over a much longer distance, giving you more flexibility to move and manoeuvre whilst MIG welding.

Highest Quality Welds

Offering nothing but the best, this machine has been designed to offer the highest quality welds available from UNIMIG. With superior welding technology, no corners have been cut to make this machine the most powerful in its class.

2. Machine Specifications

RAZOR SWF 250 MIG/TIG/STICK Welder

2.1 Technical Data

Parameter	Values
SKU	KUMJR250SWF
PRIMARY INPUT VOLTAGE	240V Single Phase
SUPPLY PLUG	No plug supplied (32 AMP Recommended)
RATED INPUT POWER (kVA)	12.2
I _{eff} (A)	28.0
RATED OUTPUT	30A/15.5V - 250A/26.5V
NO LOAD VOLTAGE (V)	56.5
PROTECTION CLASS	IP21S
INSULATION CLASS	F
POWER FACTOR	0.72
MINIMUM GENERATOR (kVA)	13.0
DINSE CONNECTOR	35/50
STANDARD	AS/NZ60974-1
WELDS	Mild Steel, Stainless Steel, Cast Iron, Silicon Bronze, Aluminium, Copper
WARRANTY (Years)	3

2.2 MIG Specifications

Parameter	Values
MIG WELDING CURRENT RANGE	30-250A
MIG DUTY CYCLE @ 40°C	35% @ 250A
MIG WIRE SIZE RANGE	0.6-1.0mm
MIG WIRE SPOOL SIZE	5kg / 15kg
MIG WELDING THICKNESS RANGE	1-12mm
DRIVE ROLLER SIZE	30/22 (x2)

2.3 TIG Specifications

Parameter	Values
TIG FUNCTION TYPE	DC Lift Arc
TIG WELDING CURRENT RANGE	10-225A
TIG DUTY CYCLE @ 40°C	35% @ 225A
TIG WELDING THICKNESS RANGE	1-10mm

2.4 STICK Specifications

Parameter	Values
STICK WELDING CURRENT RANGE	10-250A
STICK DUTY CYCLE @ 40°C	35% @ 250A
STICK ELECTRODE RANGE	2.5-4.0mm
STICK WELDING THICKNESS RANGE	2-12mm

2.5 Size & Weight

Parameter	Values
DIMENSIONS (mm)	595x280x440mm
WEIGHT (kg)	40.6kg
SWF DIMENSIONS (mm)	630x235x420mm
SWF WEIGHT (kg)	14kg
SWF INTERLOCKING CABLE LENGTH (m)	10m

2.6 Machine Features

Parameter	Values
WIRE DRIVE	Separate 4 Geared
VRD	Yes
SPOOL GUN CONNECTION	Yes
PUSH / PULL GUN CONNECTION	Yes
BURNBACK ADJUSTMENT	Yes
WIRE INCH	Yes
INDUCTANCE CONTROL	Yes
THERMAL OVERLOAD PROTECTION	Over Temperature Warning