SWP

REDLINE

WELDING, CUTTING & COMPRESSED AIR

Range & Ordering Guide

Compact machines for fabrication, maintenance and mobile repairs.



MULTIMIG 200 · 8025

Choose Your Machine

Your Work	Model	Order Code	Page
Portable stick welding on 230V	Arc 140	8020	02
Stick welding on 110V or 230V	Arc 200LT DV	8021	02
Compact gasless wire welding	MIG 100	8024	03
MIG, MMA and Lift TIG in one machine	MULTIMIG 200	8025	03
Pulse TIG for mild and stainless steel	TIG 160E DC Pulse	8022	04
AC TIG for aluminium, plus DC TIG	TIG 200E AC/DC Pulse	8023	04
Plasma cutting of conductive metals	CUT 35PA	8026	05
Portable workshop air supply	50L / 100L compressors	8004 / 8007	06

Compare Output at the Duty Cycle You Need

Peak current tells you the machine's upper limit. Duty cycle tells you how much arc time you get at a stated current. Check both against the longest welds or cuts you expect to make.

SWP Redline product range

© R H Davey Welding Supplies Ltd · Design and editorial content

MMA ARC WELDERS

Stick Welding for Workshop & Site

Match the electrode size and the available power supply.



Arc 140 8020

Use for Light fabrication, maintenance and repairs where a compact stick welder is easy to carry.

Hot Start helps strike the electrode. Arc Force helps keep the arc stable when the electrode runs close to the work.

SWP machine specifications



Arc 200LT DV 8021

Use for Site maintenance and workshop fabrication where the same machine may need to run from 110V or 230V.

The voltage reduction device lowers open-circuit voltage when idle. Lift TIG extends its use to suitable steel and stainless work.

SWP machine specifications

Specification	Arc 140	Arc 200LT DV
Supply · single phase	230V	110/230V
Process	MMA	MMA and Lift TIG
Published current	10–140A	10–200A
Electrode diameter	1.6–3.2mm	1.6–4.0mm
Published duty cycle*	20% at 40°C	20% at 40°C
Size (L × W × H)	250 × 110 × 180mm	315 × 150 × 250mm
Weight	2.7kg	4.4kg

Choosing Between Them

Pick the Arc 140 for portable 230V stick work. Choose the Arc 200LT DV if you need dual-voltage input, a larger electrode range or Lift TIG. Check output available from your supply.

* SWP lists these duty-cycle percentages without a separate output figure in its online specification.

© R H Davey Welding Supplies Ltd · Design and editorial content

MIG WELDERS

Gasless & Multiprocess Welding

Choose by wire, reel size and how often you switch processes.



MIG 100 8024

Use for Short mild-steel repair jobs using self-shielded flux-cored wire, especially where a gas cylinder is inconvenient.

The integrated torch and small reel keep the package compact for moving between jobs.

SWP machine specifications



MULTIMIG 200 8025

Use for General fabrication and maintenance that calls for MIG production work, stick welding and occasional DC Lift TIG.

Synergic MIG links wire feed to the welding settings. A compatible optional spool gun supports aluminium MIG.

SWP machine specifications

Specification	MIG 100	MULTIMIG 200
Supply · single phase	230V	230V
Process	Self-shielded flux-cored	MIG, MMA and DC Lift TIG
MIG current	40–100A	40–200A
MMA / Lift TIG current	—	20–160A in either mode
MIG duty cycle	20% at 100A	20% at 200A
Reel capacity	100mm / 1kg	200mm / 5kg
Wire / spool gun	Up to 0.8mm flux-cored wire	Optional compatible spool gun
Weight	6kg	10.3kg

Set Up for the Wire

For the MIG 100, order self-shielded flux-cored wire. For the MULTIMIG 200, match wire, feed parts, polarity and shielding gas to the job. Ask for the torch or spool gun required by your package.

© R H Davey Welding Supplies Ltd · Design and editorial content

TIG WELDERS

DC Pulse & AC/DC Pulse

Use DC for steel and stainless. Choose the AC/DC model when aluminium TIG is part of the job.



TIG 160E DC Pulse

8022

Use for Thin mild steel, stainless sheet, tube and small fabrications where close control of the weld pool matters.

Pulse gives control over heat input and HF ignition starts the arc without touching the tungsten to the work.

SWP machine specifications



TIG 200E AC/DC Pulse

8023

Use for Aluminium TIG repairs and fabrication, plus DC TIG on mild and stainless steel.

AC provides the oxide-cleaning action for aluminium. Switch to DC for steel and stainless work.

SWP machine specifications **Technical datasheet**

Specification	TIG 160E DC Pulse	TIG 200E AC/DC Pulse
Supply · single phase	230V	230V
TIG current	DC 10–160A	AC 10–200A / DC 10–170A
TIG duty cycle	60% at 160A DC	35% at 200A AC / 40% at 170A DC
MMA current / duty cycle	10–140A / 20% at 140A	10–170A / 40% at 170A
Arc start / torch trigger	HF / 2T or 4T	HF / 2T or 4T
Size (L × W × H)	450 × 160 × 280mm	450 × 160 × 280mm
Weight	6.2kg	7.8kg

Order the TIG Package

Specify the torch and length, return lead, regulator and argon supply. Ask about remote or pedal compatibility if you need current control from the workpiece.

© R H Davey Welding Supplies Ltd · Design and editorial content

PLASMA CUTTING

CUT 35PA

Trimming plate, cutting brackets and removing damaged sections from conductive metals.



ORDER CODE 8026

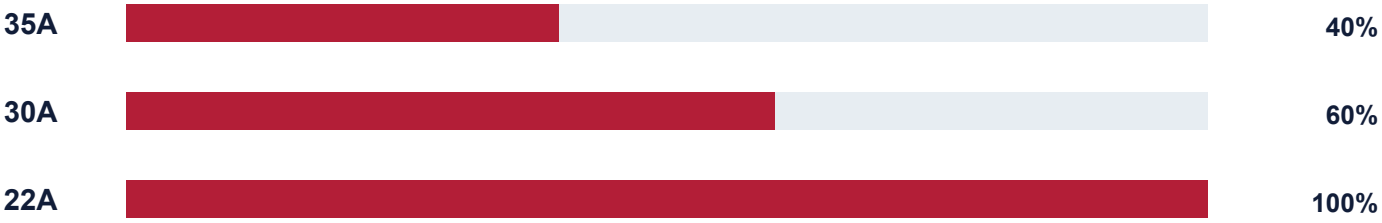
20–35A
Output current

16mm
Published clean-cut capacity

25mm
Carbon-steel severance limit

Operator manual and technical data

Duty Cycle at 40°C



Check the Power and Air Supply

The 230V single-phase machine is rated at 27.3A input in the SWP manual. Use a suitably rated supply. Match the compressor's delivered airflow and pressure to the cutter and supply clean, dry air.

Choose by Clean-Cut Capacity

Use the 16mm clean-cut figure for routine work. The 25mm carbon-steel severance rating is for separating material where edge quality is secondary. Specify the material and thickness when ordering.

SWP machine specifications

© R H Davey Welding Supplies Ltd · Design and editorial content

AIR COMPRESSORS

Workshop Compressed Air

Compare delivered air, receiver size and how long the tool will run.



2.5HP 50L Compressor 8004

Use for Inflation, intermittent tool use and general workshop tasks within its airflow rating.

A 50L receiver and 32kg net weight suit workshops that move the compressor between bays.

SWP machine specifications



3HP 100L Compressor 8007

Use for Workshop jobs that need more delivered airflow or a larger reserve between pump cycles.

A V-twin pump and 100L receiver support tools with higher air demand, subject to their working pressure and consumption.

SWP machine specifications

Specification	2.5HP 50L · 8004	3HP 100L · 8007
Input / motor	230V 13A / 1.8kW	230V 13A / 2.2kW
Receiver	50L	100L
Free air delivery (FAD)	5.5CFM	10CFM
Piston displacement	9.08CFM	13.85CFM
Maximum pressure	10bar (145psi)	10bar (145psi)
Outlets	Euro and PCL	Euro and PCL
Size (L × W × H)	770 × 330 × 740mm	1000 × 385 × 830mm
Net weight	32kg	52kg

Size by Delivered Air

Use the tool's air consumption at its working pressure to size the compressor. Receiver capacity helps with short peaks. Sustained use depends on the delivered airflow.

© R H Davey Welding Supplies Ltd · Design and editorial content