

ARC Inverter Welding

05182 T112 Inverter

- 230v (13amp) supply
- 10 - 80amp power
- 80amp @ 30% duty cycle
- 1.6 - 2.5mm electrode diameter
- Generator friendly
- Hot start & anti-stick
- Dinse sockets
- **Compact and very light weight design for portability**



trade level ★★

ACCESSORIES INCLUDED:

Electrode holder, earth clamp and all leads for ARC welding

LIGHT WEIGHT
only 5kg

GENERATOR FRIENDLY

13AMP SUPPLY

PORTABLE UNIT

LIGHT WEIGHT

DINSE SOCKETS

ITEM NO.	05182
Supply	230v (13amp)
Electrode Size	1.6 to 2.5mm
Current Range	10 to 80amp
Insulation	Class H
Protection	IP21
Approx. Weld Thickness Range	(mild steel) 0.7 to 5mm
Weight	5kg
Packaged Dimensions (HxWxL)	290 x 290 x 140mm
Barcode Number	5012713051823

SIP Hi-TECH Range exclusive to SIP

Patented Range

ARC Inverter Welders

SIP's unique and patented Weldmate Inverter range provides incredible power and high quality results from remarkably lightweight, but reliable DC power sources.

Cutting edge technology (including anti-stick circuitry) ensures these units give a stable arc whilst maintaining optimised welding parameters. Ideal for a wide range of applications; including fabrication, general and auto repairs, agricultural repairs and on-site welding. Superb build quality and extremely easy to use, but with exceptionally high duty cycle.

Supplied complete with leads and arc accessories.

05150 Weldmate P174 ARC Inverter Welder

professional level ★★★

- Current output range 10 to 140amps
- Very high duty cycle 140amps @ 60%
- Generator friendly

ACCESSORIES INCLUDED:

Electrode holder with 3 metre cable, 3 metre earth lead, tough blow moulded carry case



2 Year Warranty

LIGHT WEIGHT
only 8.4kg

GENERATOR FRIENDLY

All the ARC welders on these pages are designed and built to cope with the voltage fluctuations encountered when powered by a portable generator



Search YouTube for: SipTechZone

GENERATOR FRIENDLY

13AMP SUPPLY

PORTABLE UNIT

LIGHT WEIGHT

DINSE SOCKETS

ITEM NO.	05150
Supply	230v (13amp)
Welding Current	10 to 140amp
Output @ 60% Duty Cycle	140amp
Electrode Size	1.6mm to 3.2mm
Approx. Weld Thickness Range	1.1mm to 5.6mm
Insulation Class	F
Protection	IP21S
Net Weight	8.4kg
Packaged Dimensions (HxWxL)	420 x 305 x 520mm
Barcode Number	5012713051502

Patented Range

Hi-TECH / ARC Inverter Welding

05152 Weldmate P175DV ARC Inverter Welder

professional level **★★★**

- 230v/110v automatic switching input volts
- Current output range 10 to 140amps
- Very high duty cycle 140amps @ 60% / 100amps @ 60%
- Generator friendly

ACCESSORIES INCLUDED:

Electrode holder with 3 metre cable, 3 metre earth lead, tough blow moulded carry case



2 Year
Warranty

LIGHT WEIGHT
only 8.4kg

230v/110v
AUTO SWITCHING

PORTABLE
UNIT

GENERATOR
FRIENDLY

DUAL
VOLTAGE

LIGHT
WEIGHT

DINSE
SOCKETS

ITEM NO.	05152
Supply	230v (13amp) 110v (20amp)
Welding Current	230v: 10amp to 140amp 110v: 10amp to 100amp
Output @ 60% Duty Cycle	230v: 140amp 110v: 100amp
Electrode Size	1.6mm to 3.2mm
Approx. Weld Thickness Range	1.1mm to 5.6mm
Insulation Class	F
Protection	IP21S
Net Weight	8.4kg
Packaged Dimensions (HxWxL)	420 x 305 x 520mm
Barcode Number	5012713051526

05246 Weldmate P187 ARC Inverter Welder

professional level **★★★**

- Current output range 20 to 160amps
- Very high duty cycle 160amps @ 60%
- Generator friendly

ACCESSORIES INCLUDED:

Electrode holder with 3 metre cable and 3 metre earth lead



2 Year
Warranty

LIGHT WEIGHT
only 7.26kg



Don't Forget
STORAGE/CARRY
CASE
Page 33

GENERATOR
FRIENDLY

PORTABLE
UNIT

LIGHT
WEIGHT

DINSE
SOCKETS

ITEM NO.	05246
Supply	230v (16amp)
Welding Current	20amp to 160amp
Output @ 60% Duty Cycle	160amp
Electrode Size	1.6mm to 4mm
Approx. Weld Thickness Range	1.1mm to 6mm
Insulation Class	F
Protection	IP21S
Net Weight	7.26kg
Packaged Dimensions (HxWxL)	340 x 275 x 475mm
Barcode Number	5012713052462

Hi-TECH / ARC Inverter Welding

Patented Range

05154 **Weldmate P212 ARC/TIG Inverter Welder**

professional level ★★★★★

- Current output range 20 to 200amps
- Very high 200amps @ 60% duty cycle
- Generator friendly

ACCESSORIES INCLUDED:

Electrode holder with 3 metre cable, 3 metre earth lead, tough blow moulded carry case



2 Year Warranty

LIGHT WEIGHT only 8.8kg

05009 **SR26V TIG Torch**

- Optional torch for use with Weldmate T212 ARC/TIG welder (05154)



GENERATOR FRIENDLY **PORTABLE UNIT** **LIGHT WEIGHT** **DINSE SOCKETS**

ITEM NO.	05154
Supply	230v (22amp)
Welding Current	20amp to 200amp
Output @ 60% Duty Cycle	200amp
Electrode Size	1.6mm to 5mm
Approx. Weld Thickness Range	1.1mm to 8mm
Insulation Class	F
Protection	IP21S
Net Weight	8.8kg
Packaged Dimensions (HxWxL)	435 x 220 x 520mm
Barcode Number	5012713051540
ACCESSORIES	ITEM NO.
Brass Regulator with Two Gauges	09024
3/8" RH tailnut & 1/4" tailpiece	10945
5/16" tailpiece	10944

05250 **Weldmate P217 ARC Inverter Welder**

professional level ★★★★★

- Current output range 20 to 190amps
- Very high 190amps @ 60% duty cycle
- Generator friendly

ACCESSORIES INCLUDED:

Electrode holder with 3 metre cable and 3 metre earth lead



2 Year Warranty

LIGHT WEIGHT only 7.6kg

GENERATOR FRIENDLY

All the ARC welders on these pages are designed and built to cope with the voltage fluctuations encountered when powered by a portable generator



Don't Forget STORAGE/CARRY CASE Page 33

GENERATOR FRIENDLY **PORTABLE UNIT** **LIGHT WEIGHT** **DINSE SOCKETS**

ITEM NO.	05250
Supply	230v (22amp)
Welding Current	20amp to 190amp
Output @ 60% Duty Cycle	190amp
Electrode Size	1.6mm to 4mm
Approx. Weld Thickness Range	1.1mm to 6.4mm
Insulation Class	F
Protection	IP21S
Net Weight	7.6kg
Packaged Dimensions (HxWxL)	340 x 275 x 475mm
Barcode Number	5012713052509

Patented Range

Hi-TECH / ARC Inverter Welding

05252 Weldmate P267 ARC Inverter Welder

professional level **★★★**

- Current output range 35 to 260amps
- Very high 260amps @ 60% duty cycle
- Generator friendly

ACCESSORIES INCLUDED:

Electrode holder with 3 metre cable and 3 metre earth lead

GENERATOR FRIENDLY

All the ARC welders on these pages are designed and built to cope with the voltage fluctuations encountered when powered by a portable generator



Don't Forget STORAGE/CARRY CASE Page 33

2 Year Warranty
LIGHT WEIGHT only 8.5kg

GENERATOR FRIENDLY **PORTABLE UNIT** **LIGHT WEIGHT** **DINSE SOCKETS**

ITEM NO.	05252
Supply	230v (27amp)
Welding Current	35amp to 260amp
Output @ 60% Duty Cycle	260amp
Electrode Size	1.6mm to 6mm
Approx. Weld Thickness Range	1.1mm to 10.4mm
Insulation Class	F
Protection	IP21S
Net Weight	8.5kg
Packaged Dimensions (HxWxL)	455 x 270 x 350mm
Barcode Number	5012713052523

05254 Weldmate P417 ARC Inverter Welder

professional level **★★★**

- Current output range 35 to 390amps
- Very high 390amps @ 60% duty cycle
- Generator friendly
- Light weight compared to transformer based welders

ACCESSORIES INCLUDED:

Electrode holder with 3 metre cable and 3 metre earth lead



2 Year Warranty

GENERATOR FRIENDLY **PORTABLE UNIT** **LIGHT WEIGHT** **DINSE SOCKETS**

ITEM NO.	05254
Supply	400v (20amp)
Welding Current	35amp to 390amp
Output @ 60% Duty Cycle	390amp
Electrode Size	1.6mm to 6mm
Approx. Weld Thickness Range	1.1mm to 16mm
Insulation Class	F
Protection	IP21S
Net Weight	25kg
Packaged Dimensions (HxWxL)	510 x 380 x 620mm
Barcode Number	5012713052547

Hi-TECH TIG/ARC Inverter Welding

Patented Range

TIG/ARC High Frequency Inverter Welders

For more frequent professional use, these hi-tech TIG/ARC welders include a dual function allowing ARC welding. With anti-stick circuitry, high frequency TIG facility, with easy start and 10 amp extra low current performance for fine work. They give precision welding on mild and stainless steel, alloy steel, copper and bronze in TIG mode. Powerful and lightweight, these models from our patented range give excellent welding performance from a tough and reliable power source with an amazing duty cycle. Supplied complete with TIG and ARC accessories.

05266 **Weldmate P178HF DC TIG/ARC Inverter Welder**

professional level ★★ ★

- Very high duty cycle 160amps @ 60% TIG output, 140amps @ 60% ARC output
- 10amp extra low current performance
- Dual TIG and ARC welding function with anti-stick circuitry
- High frequency TIG facility for easy starting
- Latching system for 2 touch / 4 touch control

ACCESSORIES INCLUDED:

4 metre (SR17) TIG Torch, TIG and ARC accessories



2 Year Warranty

LIGHT WEIGHT only 9.5kg

EXTRA LOW CURRENT PERFORMANCE **PORTABLE UNIT** **LIGHT WEIGHT**

ITEM NO.	05266
Supply	230v (16amp)
TIG	
Welding Current	10amp to 160amp
Output @ 60% Duty Cycle	160amp
Approx. Weld Thickness Range	0.3mm to 4mm
ARC	
Welding Current	10amp to 140amp
Output @ 60% Duty Cycle	140amp
Electrode Size	1.6mm to 3.2mm
Approx. Weld Thickness Range	1.1mm to 5.6mm
Insulation Class	F
Protection	IP21S
Net Weight	9.5kg
Packaged Dimensions (HxWxL)	370 x 290 x 520mm
Barcode Number	5012713052660
ACCESSORIES	ITEM NO.
Brass Regulator with Two Gauges	09026
3/8" RH tailnut & 1/4" tailpiece	10945
5/16" tailpiece	10944
Quick release hose nipple for TIG	15100

05268 **Weldmate P188HF DC TIG/ARC Inverter Welder with Pulse**

professional level ★★ ★

- Very high duty cycle 180amps @ 60% TIG output, 155amps @ 60% ARC output
- 10amp extra low current performance
- Dual TIG and ARC welding function with anti-stick circuitry
- High frequency TIG facility for easy starting
- WITH PULSE - Aids welding on very thin materials
- Latching system for 2 touch / 4 touch control

ACCESSORIES INCLUDED:

4 metre (SR26) TIG Torch, TIG and ARC accessories



2 Year Warranty

LIGHT WEIGHT only 9.5kg

EXTRA LOW CURRENT PERFORMANCE **PORTABLE UNIT** **LIGHT WEIGHT**

ITEM NO.	05268
Supply	230v (16amp)
TIG	
Welding Current	10amp to 180amp
Output @ 60% Duty Cycle	180amp
Approx. Weld Thickness Range	0.3mm to 4.5mm
ARC	
Welding Current	10amp to 155amp
Output @ 60% Duty Cycle	155amp
Electrode Size	1.6mm to 3.2mm
Approx. Weld Thickness Range	1.1mm to 5.6mm
Insulation Class	F
Protection	IP21S
Net Weight	9.5kg
Packaged Dimensions (HxWxL)	370 x 290 x 520mm
Barcode Number	5012713052684
ACCESSORIES	ITEM NO.
Brass Regulator with Two Gauges	09026
3/8" RH tailnut & 1/4" tailpiece	10945
5/16" tailpiece	10944
Quick release hose nipple for TIG	15100

did you know?
PULSE FUNCTION - rapidly alternating welding current prevents 'burn-through' when welding thin metals (e.g. car body panels) in DC mode.

Patented Range

Hi-TECH TIG/ARC Inverter Welding

05269 Weldmate P208HF DC TIG/ARC Inverter Welder

professional level **★★★**

- Very high duty cycle 200amps @ 60% TIG output, 180amps @ 60% ARC output
- 10amp extra low current performance
- Dual TIG and ARC welding function with anti-stick circuitry
- High frequency TIG facility for easy starting
- Latching system for 2 touch / 4 touch control

ACCESSORIES INCLUDED:

4 metre (SR26) TIG Torch, TIG and ARC accessories



2 Year Warranty

LIGHT WEIGHT only 9.9kg

EXTRA LOW CURRENT PERFORMANCE

PORTABLE UNIT

LIGHT WEIGHT

ITEM NO.	05269
Supply	230v (16amp)
TIG	
Welding Current	10amp to 200amp
Output @ 60% Duty Cycle	200amp
Approx. Weld Thickness Range	0.3mm to 5mm
ARC	
Welding Current	10amp to 180amp
Output @ 60% Duty Cycle	180amp
Electrode Size	1.6mm to 4mm
Approx. Weld Thickness Range	1.1mm to 7.2mm
Insulation Class	F
Protection	IP21S
Net Weight	9.9kg
Packaged Dimensions (HxWxL)	370 x 290 x 520mm
Barcode Number	5012713052691
ACCESSORIES	ITEM NO.
Brass Regulator with Two Gauges	09026
3/8" RH tailnut & 1/4" tailpiece	10945
5/16" tailpiece	10944
Quick release hose nipple for TIG	15100

AC/DC - TIG/ARC High Frequency Inverter Welders

These combined machines incorporate the latest inverter technology to give superb performance on the widest range of metals including **aluminium**. Very high duty cycle, stable and consistent arc, a wide range of features and controllability make these models from our hi-tech patent range very hard to beat.

Supplied complete with all leads and torch/holder. They can weld in AC/DC and ARC mode. Ideal for many specialist users - **a highly reliable yet lightweight package.**

05162 Weldmate P177HF AC/DC TIG/ARC Inverter Welder

professional level **★★★**

- Very high duty cycle 160amps @ 60% TIG output, 140amps @ 60% ARC output
- Latching system for 2 touch / 4 touch control
- 10amp extra low current performance
- Dual TIG and ARC welding function with anti-stick circuitry
- High frequency TIG facility for easy starting
- Light weight compared to transformer based welders

ACCESSORIES INCLUDED:

4 metre (SR17) TIG Torch, TIG and ARC accessories



Don't Forget TIG FOOT CONTROL PEDAL Page 33

EXTRA LOW CURRENT PERFORMANCE

PORTABLE UNIT

LIGHT WEIGHT

2 Year Warranty



ITEM NO.	05162
Supply	230v (11amp)
TIG	
Welding Current	10amp to 160amp
Output @ 60% Duty Cycle	160amp
Approx. Weld Thickness Range	0.3mm to 4mm
ARC	
Welding Current	10amp to 140amp
Output @ 60% Duty Cycle	140amp
Electrode Size	1.6mm to 3.2mm
Approx. Weld Thickness Range	1.1mm to 5.6mm
Insulation Class	F
Protection	IP21S
Net Weight	26kg
Packaged Dimensions (HxWxL)	440 x 430 x 600mm
Barcode Number	5012713051625
ACCESSORIES	ITEM NO.
Brass Regulator with Two Gauges	09026
3/8" RH tailnut & 1/4" tailpiece	10945
5/16" tailpiece	10944

Patented Range

Hi-TECH / TIG/ARC Inverter Welding

AC/DC - TIG/ARC High Frequency Inverter Welders

These combined machines incorporate the latest inverter technology to give superb performance on the widest range of metals including **aluminium**. Very high duty cycle, stable and consistent arc, a wide range of features and controllability make these models from our Hi-Tech patent range very hard to beat.

Supplied complete with all leads and torch/holder. They can weld in AC/DC and ARC mode. Ideal for many specialist users - **a highly reliable yet lightweight package compared to transformer based machines.**

05189 **Weldmate P214HF AC/DC TIG/ARC** Inverter Welder with Pulse

professional level ★★★★★

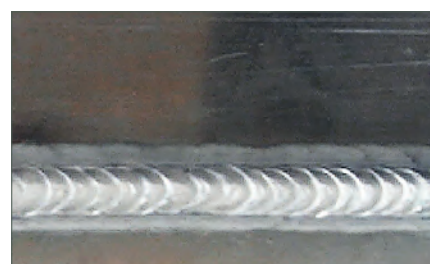
- Very high duty cycle 200amps @ 60% TIG output, 180amps @ 60% ARC output
- Latching system for 2 touch / 4 touch control
- 10amp extra low current performance
- Dual TIG and ARC welding function with anti-stick circuitry
- High frequency TIG facility for easy starting
- WITH PULSE - Aids welding on very thin materials

ACCESSORIES INCLUDED:

4 metre (SR26) TIG Torch, TIG and ARC accessories



2 Year
Warranty



AC TIG, flat welding, Aluminium Alloy, 120amps



Don't Forget
TIG FOOT
CONTROL PEDAL
Page 33

EXTRA LOW CURRENT PERFORMANCE **PORTABLE UNIT**

ITEM NO.	05189
Supply	230v (16amp)
TIG	
Welding Current	10amp to 200amp
Output @ 60% Duty Cycle	200amp
Approx. Weld Thickness Range	0.3mm to 5mm
ARC	
Welding Current	10amp to 180amp
Output @ 60% Duty Cycle	180amp
Electrode Size	1.6mm to 4mm
Approx. Weld Thickness Range	1.1mm to 7.2mm
Insulation Class	F
Protection	IP21S
Net Weight	27kg
Packaged Dimensions (HxWxL)	470 x 460 x 710mm
Barcode Number	5012713051892
ACCESSORIES	
ACCESSORIES	ITEM NO.
Brass Regulator with Two Gauges	09026
3/8" RH tailnut & 1/4" tailpiece	10945
5/16" tailpiece	10944

Patented Range

Hi-TECH / TIG/ARC Inverter Welding

05273 (1ph) **Weldmate P317HF AC/DC, TIG/ARC Inverter Welder with Pulse**

professional level ★★ ★

05271 (3ph) **Weldmate P318HF AC/DC, TIG/ARC Inverter Welder with Pulse**

- Very high duty cycle 315amps @ 60% TIG output, 290amps @ 60% ARC output
- Latching system for 2 touch / 4 touch control
- 10amp extra low current performance
- Dual TIG and ARC welding function with anti-stick circuitry
- High frequency TIG facility for easy starting
- WITH PULSE - Aids welding on very thin materials

ACCESSORIES INCLUDED:

4 metre (WP-18) TIG Torch (05042), TIG and ARC accessories



Don't Forget TIG FOOT CONTROL PEDAL Page 33

2 Year Warranty



Welding Equipment Hi-TECH Range

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Don't Forget ACCESSORIES & CONSUMABLES Page 34 - 35

EXTRA LOW CURRENT PERFORMANCE PORTABLE UNIT

ITEM NO.	05273 - 1 Phase	05271 - 3 Phase
Supply	230v (32amp)	400v (10amp)
	TIG	
Welding Current	10amp to 315amp	10amp to 315amp
Output @ 60% Duty Cycle	315amp	315amp
Approx. Weld Thickness Range	0.3mm to 7.9mm	0.3mm to 7.9mm
	ARC	
Welding Current	10amp to 290amp	10amp to 290amp
Output @ 60% Duty Cycle	290amp	290amp
Electrode Size	1.6mm to 5mm	1.6mm to 5mm
Approx. Weld Thickness Range	1.1mm to 8mm	1.1mm to 8mm
Insulation Class	F	F
Protection	IP21S	IP21S
Net Weight	28.7kg	28.7kg
Packaged Dimensions (HxWxL)	470 x 460 x 710mm	470 x 460 x 710mm
Barcode Number	5012713052738	5012713052714
	ACCESSORIES	
	ITEM NO.	ITEM NO.
Brass Regulator with Two Gauges	09026	09026
3/8" RH tailnut & 1/4" tailpiece	10945	10945
5/16" tailpiece	10944	10944

Multi-Functional HF TIG/ARC/Plasma Inverter

Unique to SIP, the Weldmate Multi P185HF TIG/ARC/Plasma Inverter combines power, reliability and ultimate versatility. This 3-in-1 unit is a fantastic value-for-money option for those wanting to weld and plasma cut without investing in standalone machines for each. TIG, ARC and Plasma all in one unit, the Weldmate Multi P184HF is lightweight, saves space and is covered by our 2 year warranty.

05279 Weldmate Multi P185HF TIG/ARC/Plasma Inverter

professional level ★★★★★

- Very high duty cycle 160amps @ 60% TIG output, 160amps @ 60% ARC output and 40amps @ 60% Plasma Cutter
- Rated output: 15 to 160amps HF TIG, 15 to 160amps ARC and 20 to 40amps Plasma Cutter

ACCESSORIES INCLUDED:

Complete with regulator, 4 metre (SR17) TIG torch, 4 metre air cooled Plasma torch and ARC electrode holder.



UNIQUE TO SIP
3-in-1
TIG, ARC & PLASMA

2 Year
Warranty

LIGHT WEIGHT
only 13.4kg



LIGHT WEIGHT **EXTRA LOW CURRENT PERFORMANCE** **PORTABLE UNIT**



TIG, flat welding, carbon steel, 130amps



Don't Forget WELDING HEADSHIELD
Page 30

ITEM NO.	05279
Supply	230v (16amp)
TIG	
Welding Current	15amp to 160amp
Output @ 60% Duty Cycle	160amp
Approx. Weld Thickness Range	0.3mm to 4mm
ARC	
Welding Current	15amp to 160amp
Output @ 60% Duty Cycle	160amp
Electrode Size	1.6mm to 4mm
Approx. Weld Thickness Range	1.1 mm to 5.6mm
PLASMA	
Output Current	20mm to 40amp
Output @ 60% Duty Cycle	40amp
Max. Cutting capacity (mild steel)	10mm / Severs 12mm
Output Power Settings	Infinitely Variable
Compressed Air Pressure	4.4 bar
Average Air Consumption	200 l/min
Insulation Class	F
Protection	IP21S
Net Weight	13.4kg
Packaged Dimensions (HxWxL)	440 x 218 x 335mm
Barcode Number	5012713052790

Patented Range

Hi-TECH / MIG Inverter Welding

The SIP range of Hi-Tech MIG Inverter power sources are unique in the UK and come from our patented range of specialist inverters.

All models are incredibly portable due to their light weight but provide contrasting performance with their tough 60% duty cycles. Most models also run ARC and MIG from the same machines with the 455 also having the ability to weld in TIG mode.

Excellent low amperage performance makes these ideal for automotive bodywork use whilst high amperages give strong welds on the thickest of materials.

Supplied complete including Binzel brand torches.

MIG Inverter Welder - dual purpose

05168 Weldmate P194 MIG Inverter Welder

professional level ★★★

- Very high duty cycle 180amps @ 60%
- Extra low current performance - ideal for welding thin body panels (in gas mode)
- Dual purpose for welding with or without gas
- Infinitely variable power settings for maximum control
- Inductance control

ACCESSORIES INCLUDED:

MB15 BINZEL 3 metre Euro-connector MIG Torch, accessories and gas regulator

Weld in **GASLESS** mode straight from the box

To weld in **GAS** mode you will need...

**MIG WIRE
GAS REGULATOR
GAS BOTTLE**

See pages 32-35 for full range of accessories and consumables

**2 Year
Warranty**



CO2 MIG, flat welding, carbon steel, 130amps

did you know?

INDUCTANCE CONTROL - allows accurate manipulation of the ARC characteristics, tailoring the ARC to the metal type and thickness as well as the type of gas used

EXTRA LOW CURRENT PERFORMANCE

GAS & GASLESS OPERATION

PORTABLE UNIT

ITEM NO.	05168
Supply	230v (16amp)
Welding Current	30amp to 180amp
Output @ 60% Duty Cycle	180amp
Open Circuit Voltage	15v to 23v
Wire Size	0.6mm / 0.8mm / 1mm
Wire Spool Size	5kg
Output Power Settings	Infinitely Variable
Approx. Weld Thickness Range	0.9mm to 7.2mm
Insulation Class	F
Protection	IP21S
Net Weight	18kg
Packaged Dimensions (HxWxL)	520 x 315 x 735mm
Barcode Number	5012713051687
ACCESSORIES	ITEM NO.
Brass Regulator with Two Gauges	09026
3/8" RH tailnut & 1/4" tailpiece	10945
5/16" tailpiece	10944

Hi-TECH / MIG, ARC Inverter Welding

Patented Range

MIG/ARC Inverter Welder - dual weld

05170 Ideal 301 MIG/ARC Inverter Welder

professional level ★★★★★

- Dual MIG/ARC welding feature for maximum versatility
- Very high duty cycle 250amps @ 60% MIG output / 220amp @ 60% ARC output
- Burn back delay
- Heavy duty all metal wire feed
- Volt meter & ammeter
- Latching system for 2 touch / 4 touch control
- Inching button

ACCESSORIES INCLUDED:

MB24 BINZEL 3 metre Euro-connector MIG Torch, MIG & ARC accessories and gas regulator



To weld in **GAS** mode you will need...
MIG WIRE
GAS BOTTLE
 See pages 32 to 35 for full range

2 Year
 Warranty



Heavy duty all metal wirefeed



CO2 MIG, flat welding, carbon steel, 130amps



Don't Forget
ACCESSORIES & CONSUMABLES
 Page 32-35



Rear mounted fully enclosed wire spool feed system

MIG/ARC DUAL WELD FUNCTION **PORTABLE UNIT**

ITEM NO.	05170
Supply	230v (27amp)
MIG	
Welding Current	50amp to 250amp
Output @ 60% Duty Cycle	250amp
Open Circuit Voltage	15v to 29v
Wire Size	0.8mm / 1mm
Wire Spool Size	15kg
Approx. Weld Thickness Range	1.4mm to 10mm
ARC	
Welding Current	50amp to 220amp
Output @ 60% Duty Cycle	220amp
Electrode Size	1.6mm to 5mm
Approx. Weld Thickness Range	1.4mm to 10mm
Output Power Settings	Infinitely Variable
Insulation Class	F
Protection	IP21S
Net Weight	28.6kg
Packaged Dimensions (HxWxL)	565 x 405 x 565mm
Barcode Number	5012713051700

ACCESSORIES	ITEM NO.
Brass Regulator with Two Gauges	09026
3/8" RH tailnut & 1/4" tailpiece	10945
5/16" tailpiece	10944

MIG/ARC Inverter Welder - dual weld

05172 (1ph) **Ideal 303 MIG/ARC Inverter Welder**
 05167 (3ph) **Ideal 304 MIG/ARC Inverter Welder**

professional level ☆☆☆

- Dual MIG/ARC welding feature for maximum versatility
- Very high duty cycle 250amps @ 60% MIG output / 220amp @ 60% ARC output
- Burn back delay
- Heavy duty all metal 4 roller wire feed
- Volt meter & ammeter
- Integrated large bottle carrier
- Latching system for 2 touch / 4 touch control
- Inching button
- Inductance control

ACCESSORIES INCLUDED:

MB24 BINZEL 3 metre Euro-connector MIG Torch, MIG & ARC accessories and gas regulator



Heavy duty all metal 4 roller wire feed



Integrated large bottle carrier



2 Year
Warranty

MIG/ARC
DUAL WELD
FUNCTION

WHEEL
MOUNTED

ITEM NO.	05172 - 1 Phase 05167 - 3 Phase
Supply	230v (27amp) - 1 Phase 400v (12amp) - 3 Phase
MIG	
Welding Current	50amp to 250amp
Output @ 60% Duty Cycle	250amp
Open Circuit Voltage	15v to 29v
Wire Size	0.8mm / 1mm
Wire Spool Size	15kg
Approx. Weld Thickness Range	1.4mm to 10mm
ARC	
Welding Current	50amp to 220amp
Output @ 60% Duty Cycle	220amp
Electrode Size	1.6mm to 5mm
Approx. Weld Thickness Range	1.4mm to 10mm
Output Power Settings	Infinitely Variable
Insulation Class	F
Protection	IP21S
Net Weight	46kg
Packaged Dimensions (HxWxL)	920 x 480 x 1250mm
Barcode Number	5012713051724
	5012713051670

To weld in **GAS** mode you will need...

MIG WIRE LARGE GAS BOTTLE*

(*not available from SIP)
See pages 32 to 35 for full range of accessories and consumables

did you know?

INDUCTANCE CONTROL - allows accurate manipulation of the ARC characteristics, tailoring the ARC to the metal type and thickness as well as the type of gas used

MIG/ARC Inverter Welder dual purpose

05173 Ideal 455 MIG/ARC Inverter Welder

professional level ★★★★★

- Very high duty cycle 350amps @ 60% MIG output / 250amp @ 60% ARC output
- Dual purpose MIG welding with or without gas
- Heavy duty all metal 4 roller separate wire feed with 4 metre umbilical cord with MIG power and wire speed controls
- Volt meter & ammeter
- Latching system for 2 touch / 4 touch control
- Inching button

ACCESSORIES INCLUDED:

MB36 BINZEL 4 metre Euro-connector
MIG Torch, MIG & ARC
accessories and
gas regulator



Separate wire feed module can be mounted on the machine or around the workshop away from the power source



2 Year Warranty

To weld in **GASLESS** mode you will need...
FLUX CORED WIRE

To weld in **GAS** mode you will need...
**MIG WIRE
LARGE GAS BOTTLE***
(*not available from SIP)
See pages 32 to 35 for full range of accessories and consumables



Don't Forget ACCESSORIES & CONSUMABLES Page 30-35

MIG/ARC DUAL WELD FUNCTION

GAS & GASLESS OPERATION

WHEEL MOUNTED

ITEM NO.	05173
Supply	400v (15amp)
MIG	
Welding Current	50amp to 350amp
Output @ 60% Duty Cycle	350amp
Open Circuit Voltage	15v to 40v
Wire Size	1mm to 1.6mm
Wire Spool Size	15kg
Approx. Weld Thickness Range	1.4mm to 14mm
ARC	
Welding Current	50amp to 250amp
Output @ 60% Duty Cycle	250amp
Electrode Size	1.6mm to 5mm
Approx. Weld Thickness Range	1.3mm to 6.3mm
Insulation Class	F
Protection	IP21S
Net Weight	42kg
Packaged Dimensions (HxWxL)	1510 x 470 x 1210mm
Barcode Number	5012713051731