

PLASMA CUTTERS

Plasma cutters use an electrical arc and compressed air to cut steel, aluminum and other conductive metals. Hobart's AirForce® models deliver amazing results at an affordable price.

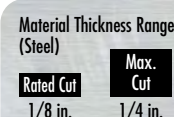
AIRFORCE® 250ci



INCLUDES:

- 16.5-ft. (5 m) hand-held torch and work cable with clamp
- 7-ft. (2.1 m) power cord with 115 VAC, 20 A plug
- Built-in air compressor with filter
- 2 extra electrodes and 2 extra tips

Built-in Air Compressor



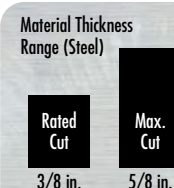
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AIRFORCE® 500i



INCLUDES:

- 16.5-ft. (5 m) hand-held torch and work cable with clamp
- 10-ft. (3 m) power cord with 115 VAC, 15 A and 230 VAC, 50 A plug adaptors
- Built-in gas/air filter and regulator
- 2 extra electrodes, 2 extra tips and 1 air fitting



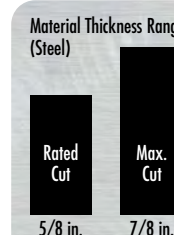
#500548

AIRFORCE® 700i



INCLUDES:

- 16.5-ft. (5 m) hand-held torch and work cable with clamp
- 10-ft. (3 m) power cord with 230 VAC plug
- Built-in gas/air filter and regulator
- 2 extra electrodes, 2 extra tips and 1 air fitting



#500546

WELDER/GENERATORS

Our Champion® line of welder/generators provides you with the power you need wherever and whenever you need it. With up to 11,000 watts of generator power (Champion ELITE) you will never be in the dark again.

WELDER/GENERATOR Accessories

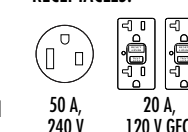
- 14-50P-6-50R Adaptor Cord #770674
- 230 V, 20-ft. Extension Cord #770644
- No. 2 Stick Cable Set 50 ft. For Champion 145 and ELITE #195195
- No. 4 Stick Cable Set 20/15 ft. For Champion 145 and ELITE #193067

CHAMPION® 145



145 Amp DC Welder/
4500 Watt AC Generator

RECEPTACLES:



PROCESS

DC STICK: steel, stainless steel, cast iron

#500555

10 HP Briggs & Stratton Intek™

Weld Output 40–145 A
Duty Cycle 30% @ 130 A

Material Thickness Range (Mild Steel)

1/8 in.	1/4 in.
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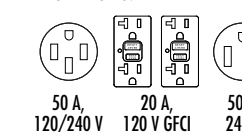
Protective Weatherproof Cover
#770714
For Champion 145

CHAMPION® ELITE



All-in-One 260 Amp AC/
225 Amp DC Welder/
11,000 Watt AC Generator

RECEPTACLES:



PROCESS

AC/DC STICK: steel, stainless steel, cast iron

#500557 23 HP Kohler Command

Weld Output (AC) 50–260 A, (DC) 40–225 A
Duty Cycle (AC) 100% @ 225 A, (DC) 100% @ 225 A

Material Thickness Range (Mild Steel)

1/8 in.	1/2 in.
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Protective Weatherproof Cover
#770748
For current Champion ELITE model #500557

WIRE FEED WELDERS

HANDLER® 125 EZ™

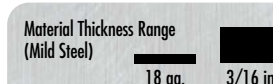


INCLUDES:

- 8-ft. (2.4 m) gun assembly
- 10-ft. (3 m) work cable with clamp
- Sample spool of .030-in. flux-cored wire
- Extra .030-in. contact tips
- Weld set-up chart

EZ Dial
Set by Metal Thickness!

Flux-cored wire only
no gas required



#500521

Output Amperage 30–125 A
Duty Cycle 20% @ 85 A

HANDLER® 125



INCLUDES:

- 8-ft. (2.4 m) gun assembly
- 10-ft. (3 m) work cable with clamp
- Sample spool of .030-in. flux-cored wire
- Extra .030-in. contact tips
- Weld set-up chart

Solid wire, shielding gas
OR
Flux-cored wire, no gas required



#500495

Output Amperage 30–125 A
Duty Cycle 20% @ 85 A

HANDLER® 140



INCLUDES:

- 10-ft. (3 m) gun assembly and work cable with clamp
- Sample spool of .030-in. flux-cored wire
- 8-in. (203 mm) spool adapter
- Dual-gauge regulator
- Gas hose, extra .030-in. contact tips

Solid wire, shielding gas
OR
Flux-cored wire, no gas required



#500559

Output Amperage 25–140 A
Duty Cycle 20% @ 90 A

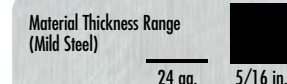
HANDLER® 190



INCLUDES:

- 10-ft. (3 m) gun assembly and work cable with clamp
- Sample spool of .030-in. flux-cored wire
- 8-in. (203 mm) spool adapter
- Dual-gauge regulator
- Gas hose, extra .030-in. contact tips

Solid wire, shielding gas
OR
Flux-cored wire, no gas required



#500554

Output Amperage 25–190 A
Duty Cycle 30% @ 130 A

HANDLER® 210 MVP



INCLUDES:

- 10-ft. (3 m) gun assembly and work cable with clamp
- Sample spool of .030-in. flux-cored wire
- 8-in. (203 mm) spool adapter
- Dual-gauge regulator
- Gas hose, extra .030-in. contact tips

Solid wire, shielding gas
OR
Flux-cored wire, no gas required



#500553

Output Amperage 25–210 A (230 V), 25–140 A (115 V)
Duty Cycle 30% @ 150 A (230 V), 20% @ 90 A (115 V)

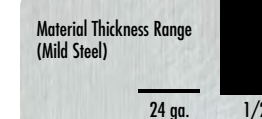
IRONMAN™ 230



INCLUDES:

- 15-ft. (4.6 m) gun assembly
- 10-ft. (3 m) work cable with clamp
- Built-in running gear/cylinder rack
- Dual-gauge regulator
- Gas hose, extra .030-in. contact tips

Solid wire, shielding gas
OR
Flux-cored wire, no gas required



#500536

Output Amperage 30–250 A
Duty Cycle 60% @ 175 A

MIG Accessories



Protective Cover
#195186
For Handler models



Protective Cover
#770589
For IronMan models



Running Gear/Cylinder Rack
#770187
For Handler models and EZ-TIG 165i



Small Running Gear
w/Cylinder Rack #194776
For Handler models



SpoolRunner™ 100 Spool Gun #300796
10-ft. (3 m) cable. Includes rugged plastic carrying case.
For Handler 190 and 210 MVP (direct connection)



DP 3545-20 Spool Gun #300349
20-ft. (6 m) cable.
For IronMan 230 only (direct connection)

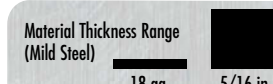
TREK® 180



INCLUDES:

- 10-ft. (3 m) gun assembly and work cable with clamp
- 115 V, 4-ft. (1.2 m) cord for recharging the unit
- (2) 12 V integrated batteries
- Sample spool of .030-in. flux-cored wire
- Extra .030-in. contact tips

Solid wire, shielding gas
OR
Flux-cored wire, no gas required



#500539

Output Amperage 25–180 A
Duty Cycle 20% @ 120 A

STICK WELDERS

The Hobart Stickmate® is the top performer in its class, with a model to fit your budget and welding application.

STICK Accessories



Running Gear #043927
Mounts easily to unit and provides convenient portability. Includes two wheels, two feet and a handle.

STICKMATE® 205 AC & 235 AC



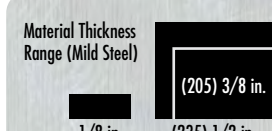
INCLUDES:

- 15-ft. (4.6 m) electrode cable with holder
- 10-ft. (3 m) work cable with clamp
- Power cord with plug

#500502 Stickmate 205 AC

#500420 Stickmate 235 AC

Output Current (205) 30–205 A
Duty Cycle (205) 20% @ 165 A



Output Current (235) 30–235 A
Duty Cycle (235) 20% @ 225 A

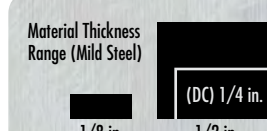
STICKMATE® 235 AC/DC



INCLUDES:

- 15-ft. (4.6 m) electrode cable with holder
- 10-ft. (3 m) work cable with clamp
- Power cord with plug

#500421



Output Current (AC) 30–235 A, (DC) 30–160 A
Duty Cycle (AC) 20% @ 225 A, (DC) 20% @ 150 A

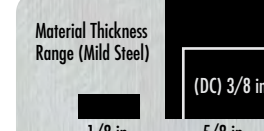
STICKMATE® 300 AC/DC



INCLUDES:

- 15-ft. (4.6 m) electrode cable with holder
- 10-ft. (3 m) work cable with clamp
- Power cord

#500560



Output Current (AC) 40–300 A, (DC) 30–200 A
Duty Cycle (AC) 20% @ 250 A, (DC) 20% @ 175 A

TIG WELDERS

EZ-TIG™ 165i



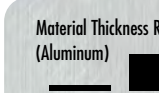
PROCESS

TIG: most metals
150 A, 16 V (DC/AC) at 20% Duty Cycle
Output Amperage 10–165 A

#500551

Single-Phase AC/DC
Welding Package

- INCLUDES:
- 12.5-ft. (3.8 m) 150 A TIG torch
 - 12-ft. (3.7 m) work cable with clamp
 - Gas regulator, flowmeter and shielding gas hose
 - RFCS-RJ45 Foot Control



TIG Accessories



Up-and-down rotary-motion fingertip control. Great for applications that require finer amperage control. Includes 28-ft. (8.5 m) control cord with RJ connector.

PROCESS

TIG: most metals
150 A, 16 V (DC/AC) at 20% Duty Cycle
Output Amperage 10–165 A

#500551

How Do I Choose a Welding Process?

Unfortunately, there is no single welding or cutting process for all applications. For this reason, it is necessary to consider the advantages of one process over another.

MIG (GMAW)

- Easy process to learn
- Better control on thinner metals
- Cleaner welds possible with no slag to remove

FLUX-CORED (FCAW)

- Easy process to learn
- Great for outdoor use in windy conditions
- Deep weld penetration

STICK (SMAW)

- Better suited for windy, outdoor conditions
- More forgiving when welding on dirty or rusty metal
- Affordable

TIG (GTAW)

- Provides highest quality and most precise welds
- Highly aesthetic weld beads
- Allows adjustment of heat input while welding by use of a remote control

PLASMA ARC CUTTING

- Easy to learn and perform
- Cuts any electrically conductive metal
- Small and precise cut
- Small heat-affected zone which helps prevent warping or paint damage

AUTO-DARKENING WELDING HELMETS



Pro Series—Largest View, Variable Shade

- Our largest viewing area: Over 9 sq. in.
- Lens darkening (#8–13) with grind mode
- Reaction time is 1/30,000 sec.
- Ultra-comfortable headgear with gel pad
- 4 independent sensors



XVS—Variable Shade

- Lens darkening (#9–12) reaction time is 1/12,000 sec.
- Auto-darkening shade, lens sensitivity and delay controls are internally adjusted
- 2 independent arc sensors provide continuous arc-sensing capability



XFS—Fixed Shade

- Lens darkening (#10) reaction time is 1/3,600 sec.
- 2 independent arc sensors provide continuous arc-sensing capability
- Solar-powered lens uses non-replaceable lithium battery



What Types of Metal Can I Weld?

Metal Type	Welding					Cutting
	MIG	FCAW	Stick	AC-TIG	DC-TIG	Plasma
Select the process that matches the metals you want to weld or cut.						
Steel						
Stainless Steel						
Aluminum						
Cast Iron						
Copper, Brass						
Titanium						
Magnesium Alloys						
All Electrically Conductive						
Skill Level	Low	Low	Moderate	High	High	Low

MIG vs. Flux-Cored

Hobart's line of wire feed welders are designed for easy operation with professional results. Our Handler® series comes ready-to-weld with flux-cored wire, out of the box.

MIG (GMAW)

- Use solid wire and shielding gas (required)
- Better control with thin metals
- Cleaner welds
- Welds steel, stainless and aluminum



FLUX-CORED (FCAW)

- Use flux-cored wire (no gas required)
- Great for outdoor use
- Deep weld penetration
- Welds steel including dirty, rusted or painted



What Should I Know About Duty Cycle?

Duty cycle is the amount of time during a 10-minute period that the welder can continuously operate at its rated output without causing heat damage to the system. For example, an IronMan 230 has 60% duty cycle at 175 amps of DC output. It can weld for 6 minutes out of 10 and then needs to cool for the remaining 4 minutes.

For applications requiring extensive arc-on time and/or welding at high amperages, choose a welder with a higher duty cycle. If a welder is operated below its rated output, the duty cycle typically increases.

Visit hobartwelders.com for all your welding needs!



Need help choosing the right Hobart?
We can help! Scan the code above, or visit hobartwelders.com/products/selector to access our interactive step-by-step guide, and find the product that fits your needs.



Visit the Hobart Weld Shop for hard-to-find replacement parts and accessories you need at hobartweldshop.com

MORE INFO on the WEB

- Owner's Manuals
- News/New Products
- Sales and Service Locator
- Download Product Spec Sheets
- Product Registration
- WeldTalk
- Welding 101 (E-Learning)

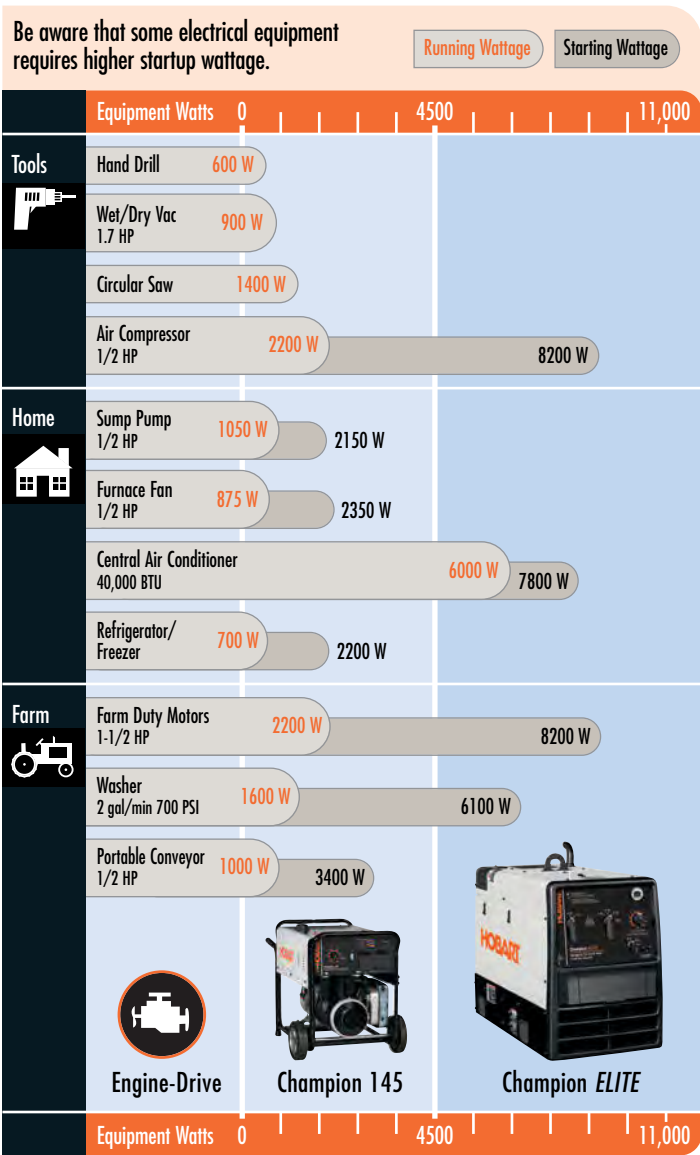


Come visit us on:



Technical Help: 1-800-332-3281
Customer Support: 1-800-626-9420

How Many Generator Watts Do I Need?



Welding Like a Champ!

- Stick weld with either the Champion 145 or Champion ELITE.
- Power your wirefeed welder with either the Champion 145 or Champion ELITE generators.

HOBART
2012



WELDING & CUTTING EQUIPMENT



FILLER METALS



TOOLS & HARDWARE



HELMETS & SAFETY GEAR