



PROCESSES



MIG (GMAW)
Welding



Flux Cored (FCAW)
Welding

5/3/1
INDUSTRIAL
WARRANTY



Built with Hobart quality and durability, the Handler 180 is a wire welding package with industrial performance capable of operating on 230/240 volt circuits. The broad output range of 25–180 amps allows you to weld 24 gauge up to 5/16 inch steel. It is also capable of running the following wires: mild steel or stainless steel .023–.035 in (0.6–0.9 mm), flux cored .030–.045 in (0.8–1.2 mm), aluminum

.030–.035 in (0.8–0.9 mm). Four output voltage settings with wire feed tracking make the unit easy to set and adjust for different materials and thicknesses. Supplied with 1 lb (.45 kg) spool of wire and adaptable for using 4 or 8 inch (102 or 203 mm) spools.

Comes complete with:

- Rugged constant-voltage DC welder power source
- Durable built-in wire feeder
- Built-in gas solenoid valve
- Dual-gauge regulator and gas hose
- Comfortable 10 ft H10 MIG torch
- 10 ft work lead with clamp
- Three .030 in (0.8 mm) contact tips
- 1 lb spool of .030 in (0.8 mm) self-shielded flux cored welding wire
- Weld set-up and information chart
- Power cord with plug
- Owner's Manual with parts lists, installation, operation, maintenance and MIG welding guidelines

FEATURES

BENEFITS

Excellent arc performance	Stable arc with improved performance on thin gauge material.
Proven built-in wire feeder with quick-release tension lever	Provides positive feed with adjustable tension. Easy access for threading wire.
Replaceable, built-in contactor	Eases use and excellent safety feature which makes wire electrically "cold" when not welding.
Four output voltage settings with wire feed tracking	Provides a broader operating window for each wire with quick and easy adjustment for different materials and thicknesses.
Separate "purge" setting	Purge gas line and set flow rate without wasting wire.
Convenient polarity changeover with tip holder	Access makes it quick and easy to change polarity for solid or tubular wire plus includes convenient storage holes for spare tips.
Quick-change, dual groove drive roll	Easy to change from one wire size to another .023/.025 in (0.6 mm) or .030–.035 in (0.8–0.9 mm).
Sloped control panel	Makes controls quickly visible and accessible.
Primary circuit breaker	Protects unit against current overload.
Self-resetting thermal overload	Protects power transformer to ensure reliability.
Self-resetting motor protection	Protects wire feed system from overload, no fuses to change or circuit breaker buttons to press.
Hobart's 5/3/1 Industrial Warranty	Five-year warranty on transformers, stabilizers and generators; three years on electronics (drive motors, rectifiers); and one year on guns (MIG and plasma torches).

SPECIFICATIONS (SUBJECT TO CHANGE WITHOUT NOTICE.)

INDUSTRIAL

DC

CV

1 Phase

Rated Output	Current Range	Max. Open Circuit Voltage	Wire Feed Speed Range	Amperes Input at Rated Load, 60 Hz			Dimensions	Net Weight	Shipping Weight
				230 V	KVA	KW			
130 A, 20 VDC at 30% Duty Cycle on 60 Hz	25–180 amps	30 V	40–700 IPM, 50–740 IPM at no load	20	4.6	3.75	H: 12-3/8 in (315 mm) W: 10-5/8 in (270 mm) D: 19-1/2 in (495 mm)	68 lb (31 kg)	77 lb (35 kg)

NSI[®] Certified by Canadian Standards Association to both Canadian and U.S. Standards.



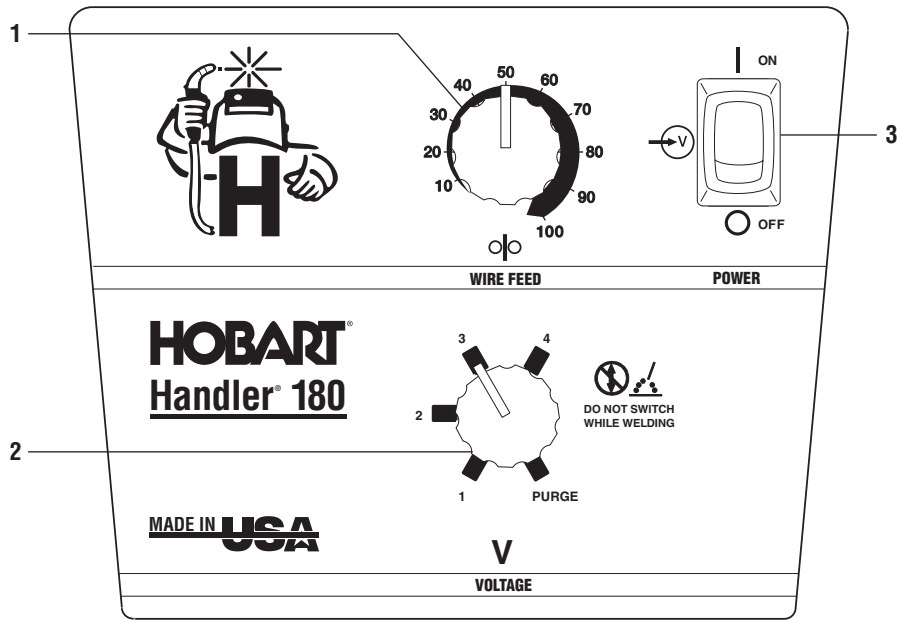
Hobart Welders An Illinois Tool Works Company

U.S. Distributor Sales Phone 920-735-4576 FAX 800-637-2315
 Hobart Retail Sales Phone 800-332-3281 FAX 937-332-4161
 Canadian Sales Phone 888-489-9353 FAX 519-421-0480
 International Sales Phone 920-735-4509 FAX 920-735-4125

Web Site www.HobartWelders.com



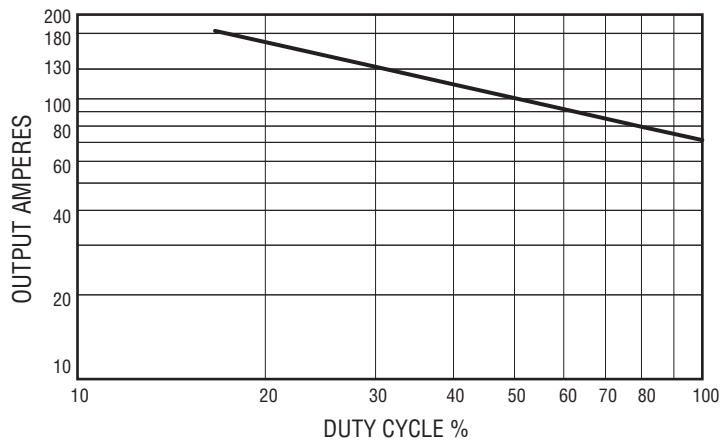
CONTROL PANEL



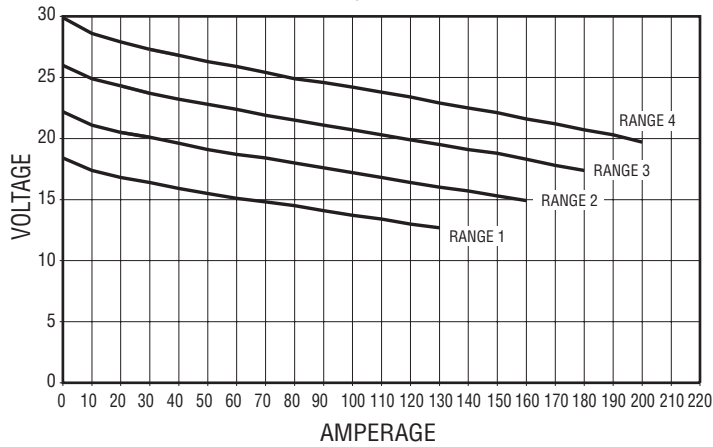
- 1. Wire Speed Control
- 2. Voltage Switch
- 3. Power Switch

PERFORMANCE DATA

DUTY CYCLE



VOLT/AMP CURVE



OPTIONS/ACCESSORIES



Small Running Gear/Cylinder Rack #194 776

Durable construction. For gas cylinders no larger than 7 in (178 mm) diameter, maximum weight 75 lb (34 kg).

Purchase #500 506 and receive the Handler 180 and #194 776 cart packaged together.



Running Gear/Cylinder Rack #770 187

Heavy-duty construction. For gas cylinders no larger than 7 in (178 mm) diameter, maximum weight 100 lb (45 kg).

H10 Replacement MIG Torch #195 957

For .030–.035 in (0.8–0.9 mm) wire. Includes 10 ft cable.



Drive Rolls

Dual Groove, V-Smooth #202 925

For .023/.025, .030 and .035 in (0.6, 0.8 and 0.9 mm) wire.

Dual Groove, V-Knurlled #202 926

For .030/.035 in (0.8/0.9 mm) or .045 in (1.2 mm) flux cored wire.



Contact Tips

See chart below.



Nozzles

See chart below.



Tip Adapter

See chart below.



Replacement Liners

#194 010

.023/.025 in (0.6 mm)

#194 011

.030–.035 in (0.8–0.9 mm)

#194 012

.035–.045 in (0.6–1.2 mm)



Protective Cover #195 186

Weatherproof nylon resists stains and mildew, and protects the finish of your welder.

CONSUMABLES

Item	Available from Miller Service Parts		Available from Hobart Retail Sales	
	Miller Part No.	Hobart Part No.	Hobart Part No.	weldit Part No.
Contact Tips				
.023/.025 in (0.6 mm)	#087 299 (Order in multiples of 10)	#770 399 (5 per package)	#770 174 (5 per package)	
.030 in (0.8 mm)	#000 067 (Order in multiples of 10)	#770 398 (5 per package)	#770 177 (5 per package)	
.035 in (0.9 mm)	#000 068 (Order in multiples of 10)	#770 400 (5 per package)	#770 180 (5 per package)	
.045 in (1.2 mm)	#000 069 (Order in multiples of 10)	#770 401 (5 per package)	#770 183 (5 per package)	
Nozzles	#169 715	#770 404 (1 per package)	—	
Tip Adapter	#169 716	#770 402 (1 per package)	—	

ORDERING INFORMATION AND SYSTEM CHECKLIST

Equipment and Options	Stock No.	Description	Qty.	Price
Handler 180	#500 501	230 VAC, 60 Hz with gas valve, regulator and hose		
UPC: #715959314190; Shipping Weight: 77 lb (35 kg); Carton Dimensions: 24 x 11-1/2 x 18 in; Pallet Qty: 12; Pallet Dimensions: 48 x 36 x 39 in				
Handler 180 with small running gear/cylinder rack	#500 506	230 VAC, 60 Hz with gas valve, regulator and hose Packaged with #194 776 cart		
UPC: #715959319980; Shipping Weight: 104 lb (47.3 kg); Carton Dimensions: 31-1/2 x 16-1/2 x 15-1/2 in; Pallet Qty: 6; Pallet Dimensions: 37 x 34 x 34 in				
Accessories				
Running Gear/Cylinder Rack	#770 187			
Small Running Gear/ Cylinder Rack	#194 776			
H10 MIG Torch	#195 957	10 ft, .030 – .035 in (0.8 – 0.9 mm)		
Drive Roll Kits	#202 925 #202 926	.023/.025 (0.6 mm) and .030/.035 (0.8/0.9 mm) V-knurled .030/.035 (0.8/0.9 mm) or .045 (1.2 mm)		
Contact Tips		See chart on page 3		
Nozzle		See chart on page 3		
Tip Adapter		See chart on page 3		
Replacement Liners	#194 010 #194 011 #194 012	.023/.025 in (0.6 mm) .030 – .035 in (0.8 – 0.9 mm) .035 – .045 in (0.9 – 1.2 mm)		
Protective Cover	#195 186			
Other				
Date:			Total Quoted Price:	

HOBART[®]

W E L D E R S

DISTRIBUTED BY: