



### PROCESSES



Lift-Arc™ TIG (GTAW)



Stick (SMAW)

**5/3/1**  
INDUSTRIAL  
WARRANTY

MADE IN **USA**



TIG/Stick  
Package Shown.

Featuring best-in-class TIG and Stick arc characteristics, Hobart's 150 STi TIG/Stick welding power source provides you with the power you need for those demanding jobs. This unit is an excellent inverter-based, DC power source that has a simple-to-use operator interface providing only the necessary controls in a compact machine.

### TIG/Stick Package Comes Complete With:

- Power source with 13 ft (4 m) electrode holder, 10 ft (3 m) work clamp, shoulder strap, primary cord, protective carrying case, DB1712RD125 Torch with adapter, gas hose, regulator, and remote fingertip control, 5 lb – 6013 1/8 in stick electrodes.

### Light Industrial Applications

- Dairy Industry
- Food/Beverage Industry
- Restaurant/Kitchen Repair
- Experimental Aircraft
- Steel Building Erection
- Shipboard Installation/Repair
- Maintenance Repair

### FEATURES

FEATURES	BENEFITS
Inverter-based technology	Consumes less power in a lightweight and smaller size.
Low OCV Stick	Reduces open-circuit voltage to 13 volts when the welding power source is not in use. This circuit design is built into the Hobart STi eliminating the need for add-on voltage reducers
Portable	At 13.7 lb, the shoulder strap allows the end user to easily move from location to location
Single amperage range	Allows operator to accurately set amperage on both 115 or 230 V primary power
Built-in gas solenoid	Eliminates the need for bulky torch with a gas valve
Auto-Line™	Provides state-of-the-art flexibility to the end user. The Auto-Line circuitry automatically connects to 115–230 VAC, single-phase power without removing the covers to relink the power source
Thermal overload protection	With indicator light helps prevent machine damage if the duty cycle is exceeded or airflow is blocked
Simple-to-use operator interface	Providing only the necessary controls in a compact machine
Lift-Arc™ Start	Provides TIG arc starting without the use of high frequency
Adaptive Hot Start™	For Stick arc starts automatically increases the output amperage at the start of a weld should the start require it. Prevents the electrode from sticking and creating an inclusion.
Full function remote control	Allows operator to crater out when doing critical work
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, TIG and plasma torches)

### SPECIFICATIONS (SUBJECT TO CHANGE WITHOUT NOTICE.)



Input Power	Rated Output	Amperage Range	Max. Open-Circuit Voltage	Amps Input at Rated Output, 50/60 Hz	KVA at Duty Cycle	KW	Dimensions	Weight
115 VAC Stick	70 A at 22.8 VDC, 100% Duty Cycle	20–100 A	90, 12–16 V*	17.4	2.0	1.9	H: 9 in (229 mm) W: 5-1/2 in (140 mm) D: 13-1/4 in (337 mm)	13.7 lb (6.2 kg)
	100 A at 24.0 VDC, 35% Duty Cycle			26.4	3.0	3.0		
115 VAC TIG	100 A at 14.0 VDC, 100% Duty Cycle	5–150 A	90, 12–16 V*	18.4	2.1	2.1		
	150 A at 16.0 VDC, 30% Duty Cycle			28.0	3.4	3.1		
230 VAC Stick	100 A at 24.0 VDC, 100% Duty Cycle	20–150 A	90, 12–16 V*	13.1	3.0	2.8		
	150 A at 26.0 VDC, 30% Duty Cycle			21.6	4.9	4.7		
230 VAC TIG	100 A at 14.0 VDC, 100% Duty Cycle	5–150 A	90, 12–16 V*	8.3	2.0	1.9		
	150 A at 16.0 VDC, 30% Duty Cycle			14.2	3.2	3.1		

Certified to both the Canadian and U.S. Standards for welding equipment.

\*Sense voltage for Stick and Lift-Arc TIG.



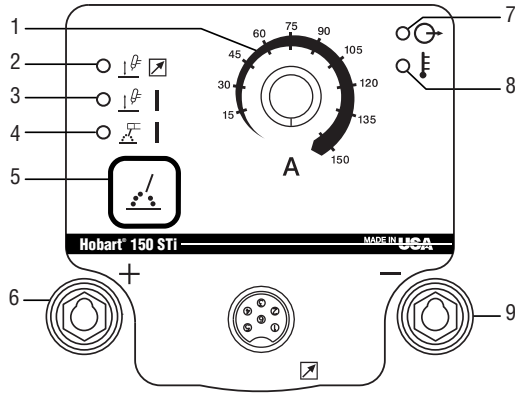
**Hobart Welders** An Illinois Tool Works Company

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 [HobartWelders.com](http://HobartWelders.com)



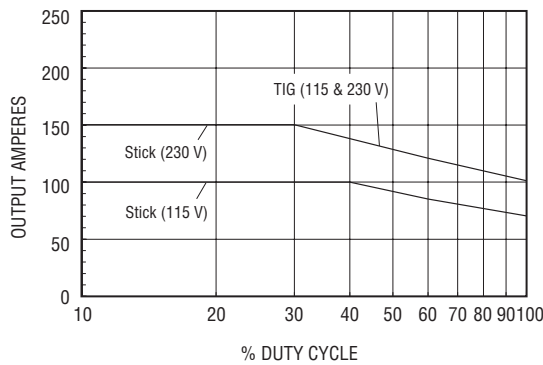
## CONTROL PANEL



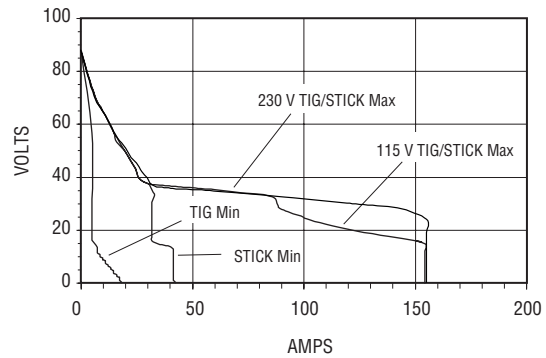
1. Amperage Adjustment Control
2. Lift-Arc TIG Selector Light
3. TIG Selector Light
4. Stick Selector Light
5. Process Selector Touch Pad
6. Positive Weld Output Receptacle
7. Ready Light
8. Overtemperature Light
9. Negative Weld Output Receptacle with Flow Thru

## PERFORMANCE DATA

### DUTY CYCLE CHART



### VOLT/AMP CURVES



## ORDERING INFORMATION AND SYSTEM CHECKLIST

Power Source and Options	Stock No.	Description	Qty.	Price
Hobart 150 STi	#500 504	Base model. Includes 13 ft (4 m) electrode holder, 10 ft (3 m) work clamp, shoulder strap, and primary cord		
Hobart 150 STi TIG/Stick Package	#500 504-01-2	Includes 13 ft (4 m) electrode holder, 10 ft (3 m) work clamp, shoulder strap, primary cord, protective carrying case, DB1712RD125 torch with adapter, gas hose, regulator, remote fingertip control, and 5 lb-6013 1/8 in stick electrodes		
UPC: #715959319874; Shipping Weight: 37 lb (16.8 kg); Carton Dimensions: 9.125 x 24 x 17 in (232 x 610 x 432 mm); Pallet Qty: 12				
<b>Accessories</b>				
RCCS-6M	#195 184	13.25 ft Remote Fingertip Control		
	#195 503	26.5 ft Remote Fingertip Control		
RFCS-6M	#195 183	13.25 ft Remote Foot Control		
	#195 504	20 ft Remote Foot Control		
RMS-6M	#195 269	26.5 ft Remote On/Off Control		
TIG Torch/Regulator Kit	#195 226	Includes DB1712RDI25 TIG torch, gas hose and regulator		
Diamondback TIG Torches	DB1712RDI25	150 A, 12 ft (3.7 m) air-cooled with flow thru adapter		
	DB1725RDI25	150 A, 25 ft (7.6 m) air-cooled with flow thru adapter		
International Flow Thru Adapter	#195 234	25 mm connector		

Date:

Total Quoted Price:

 Certified to both the Canadian and U.S. Standards for welding equipment.

# HOBART

## WELDERS

**DISTRIBUTED BY:**