

EAGLE® 10,000S

STICK WELDER GENERATOR



Shown: Eagle 10,000S (K5941-2)

As Simple As It Gets.

The Eagle® 10,000S is a dependable stick welder generator for crews that want straightforward stick operation and reliable power. Simple controls and a single, glove-friendly knob keep the focus on the work, not the machine.

Running cooler, quieter, and longer, its lighter, more compact design enhances jobsite mobility and frees up valuable space on trucks and trailers. Consistent output delivers reliable welding performance while providing strong auxiliary power for tools on the job.

Designed for ease of maintenance, a rear-engine layout improves access to key service components, with front battery access for faster servicing. Factory filled with 300-hour premium oil and equipped with an electric fuel pump, it's built to maximize runtime and keep crews working.

Processes »

Stick

Applications »

Construction
Farm
Maintenance & Repair
Service

Output »



Input »



KEY FEATURES

- **One-knob, glove-friendly control** — Faster setup with simple, straightforward operation
- **Clean generator power** — Safely powers jobsite tools and equipment
- **High-quality stick welding** — Reliable, consistent weld performance for everyday applications
- **Electronic choke option** — Easier starting with less manual adjustment
- **Auto-idle** — Reduces noise and fuel use when welding demand drops
- **Low-noise operation** — Better for jobsite comfort and communication
- **GFCI-protected receptacles** — Added protection when powering jobsite tools

INDUSTRY-LEADING DESIGN

- **Reduced-weight, jobsite-mobile design** — Easier transport and handling on site
- **IP23S-rated enclosure** — Built for durability in tough outdoor conditions
- **Front-facing engine hour display** — Quick visibility for maintenance tracking
- **Front battery access** — Faster battery service or replacement
- **Rear-engine layout** — Easier access to service points

KEY CONTROLS

- | | |
|--|--|
| 1. Fuel / Hour / Output Enabled Meter | 8. 20 amp circuit breaker |
| 2. Engine Start Switch | AC power going to the 120V receptacles |
| 3. One-knob amperage control | 9. GFCI protected 120 Volt AC receptacle |
| 4. 15 amp circuit breaker | 10. Ground stud |
| 5. 240 Volt AC receptacle | 11. Output Stud |
| 6. 120/240 Volt AC Full KVA receptacle | 12. Battery Tray |
| 7. 50 amp circuit breaker for AC power | |



RECOMMENDED ACCESSORIES

Product Name	Product Number
Stick Accessories	
Stick welding kit with electrode cable 20 foot #6, work cable 15ft #6, electrode holder, work clamp and helmet. 150 amp nominal rating	K875
EH-305HD Heavy Duty Electrode Holder	K909-7
EH-405HD Heavy Duty Electrode Holder	K909-8
General Accessories	
Work and power lead package (10 ft, 2/0) – Tweco male and ground clamp / Tweco male and lug	K1803-2
Work lead package (15 ft, 2/0) lug connector	K2150-1
Weld power cable - lug to lug (3/0) – 10 foot	K1842-10
Weld power cable - lug to lug (4/0) – 35 ft (2 cables per package)	K2163-35
Weld power cable – lug to lug (4/0) – 60 ft (2 cables per package)	K2163-60
Weld cable – Tweco Male to open end (2/0) – 10 ft	K2483-2
Weld cable – Tweco Male to open end (3/0) – 10 ft	K2483-3
Weld Cable – Tweco Male & Female (2/0) – 50 ft	K2485-2
Weld cable - Tweco Male & Female (3/0) – 50 ft	K2485-3
Weld Cable – Tweco Male to lug (3/0) - 50 ft	K2484-3
Insulated CT40FS Female Connector, straight	K2487-1
Tweco-Style Cam-Lock Adapter Plug for 2/0 Cable	K2946-1
Tweco Style Plug (male, 1/0 through 2/0)	K3416-70
Tweco Style Plug (male, 3/0 through 4/0)	K3416-90
Tweco Style Plug (female, 1/0 through 2/0)	K3417-70
Tweco Style Plug (female, 3/0 through 4/0)	K3417-90
Trailers and Undercarriages	
Small Two-Wheel Welder Trailer	K2635-1
Factory Undercarriage, pneumatic tires	K3589-5
Factory Undercarriage with Flat-Free Tires	K3589-6
All-Terrain Undercarriage, pneumatic tires	K3590-4
All-Terrain Undercarriage with Flat-Free Tires	K3590-5
Engine Accessories	
Rehiko 100 hour service kit	K3494-1
Spark Arrestor	K3679-1

PRODUCT SPECIFICATIONS

Product Name	Weld Power			Generator Power			
	IEC rating @ 100%	Output Range	OCV Max	Power	Voltage (Single Phase)	14-50R Full kVA Receptacle	5-20 Receptacles
Eagle® 10,000S	35A / 21.4V / 100% 204A / 28.2V / 100% 230A / 25V / 100%	35-230A [CC]	85VDC	10,500W (Peak) 9,500W (Continuous)	120/240V AC	40A @ 240VAC 40A @ 120V ea branch circuit	20A @ 120VAC total, GFCI protected

Engine	Product Number	Power	Displacement	Engine controls	Idle Speed	Fuel System	Fuel Capacity	Battery	Dimension (H x W x D) in (mm)	Weight lbs (kg)
GV750 Engine	K5941-1	22hp	750 cc [46in³]	Electronic choke, carburetor	2,500 RPM 3,600 RPM (High Idle Speed)	Gasoline with electric fuel pump, 10% maximum ethanol	11 gallon [42 l]	12V Group 26 500 CCA	26.4 x 20.0 x 36.4 [671 x 508 x 924] To Top of Exhaust Pipe: 33.1 [840]	426 [194]
Rehlko CH730	K5941-2	23.5hp	725 cc [44in³]	Manual choke, carburetor						

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