

Blue Star® 185

Gas Engine-Driven
Welder/AC Generator 

Quick Specs

Industrial Applications

Maintenance and repair
Farm/ranch applications
Construction
Service trucks

Processes

Stick (SMAW)
DC TIG (GTAW)
Air plasma cutting and gouging
with optional Spectrum® models

Output Range 60–195 A

Generator Power Output Rated at 104°F (40°C)

6,500 watts peak,
6,200 watts continuous

Net Weight 296 lb. (134 kg)

**Accu-Rated™ – Not Inflated
Generator Power**

Reliable outdoor portable power – great for farm, ranch, maintenance and construction.

Large 6.25-gallon fuel capacity leads its class. Longer run time for welder or generator usage. See page 2 for fuel consumption data.

Electric start for easy engine start-up.

Auto idle idles engine while not in use. Reduces fuel consumption and noise.

Engine controls on front panel for engine switch, idle control and choke cable.

Hour meter provides easy tracking of run hours for maintenance intervals.

Compact and portable. With a small footprint, the Blue Star uses little truck space. Optional running gear also makes it one-man portable.



Class-leading 6,500-watt peak power of regulated power to extend power tool life.

Accu-Rated™ peak generator power is usable for maximum generator loads such as plasma cutting, Millermatic® MIG welders and motor starting.

Single-range amperage control makes setting amperage levels easy.

Quick-reference parameter chart provides convenient amperage setting guidance.

120-volt GFCI and 240-volt receptacles provide power for jobsite tools. Receptacles are circuit-breaker protected.

Receptacle covers improve reliability by protecting receptacles from debris.

Reliable air-cooled OHV engine ensures consistent engine performance.



Welder/generator is warranted for three years, parts and labor.
Engine is warranted separately by the engine manufacturer.



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MillerWelds.com



Specifications (Subject to change without notice.)



| Welding Mode | Welding Process | Amperage Range | Rated Weld Output at 104°F (40°C)* | Single-Phase Generator Power | Dimensions | Net Weight (without fuel) |
|--------------|-----------------|----------------|---|--|--|---------------------------|
| CC/DC | DC stick/TIG | 60–195 A | 185 A at 25 V, 20% duty cycle 150 A at 25 V, 100% duty cycle | Peak: 6,500 watts Continuous: 6,200 watts 120/240 VAC, 40/26 A | H: 24.75 in. (629 mm) W: 20.625 in. (524 mm) D: 31.25 in. (794 mm) | 296 lb. (134 kg) |

*Rated at sea level.



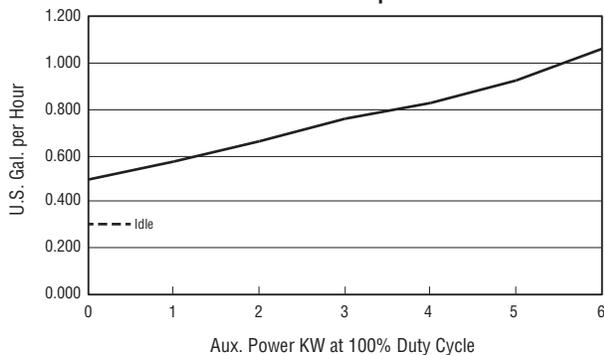
Certified by Canadian Standards Association to both the Canadian and U.S. Standards.

Engine Specifications (Engines warranted separately by the engine manufacturer.)

| Engine Brand and Warranty | Horsepower (HP) | Type | Engine Speeds | Fuel Capacity | Oil Capacity | Standard Shutdowns |
|----------------------------------|----------------------|--|----------------------------------|-----------------------|-----------------|--------------------|
| Kohler CH440, 3-year warranty | 13.4 hp at 3,600 rpm | One-cylinder, four-cycle overhead valve, industrial air-cooled, gasoline | 3,750 rpm (2,500 rpm at idle) | 6.25 gal. (23.7 L) | 1.4 qt. (1.3 L) | Low oil level |

Performance Data

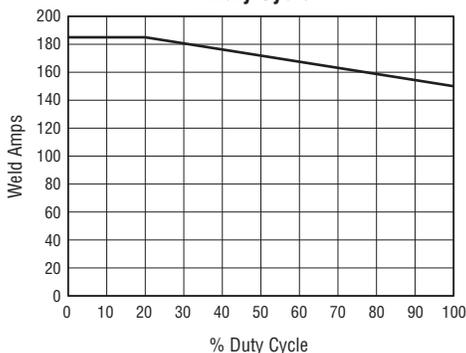
Fuel Consumption



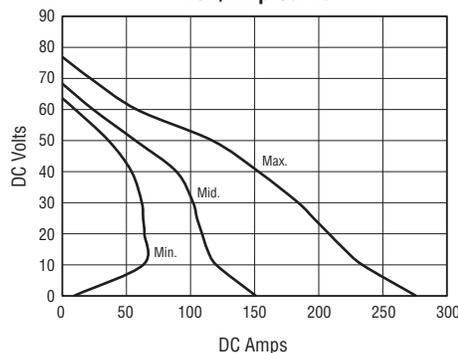
Fuel Consumption Data

- 6.25-gallon fuel capacity.
- Under a continuous load of 3,000 watts of generator power, the Blue Star 185 will run for about 7.5 hours.
- Welding at 130 amps (at 30 percent duty cycle), the Blue Star 185 will run for about 12.8 hours of operation.

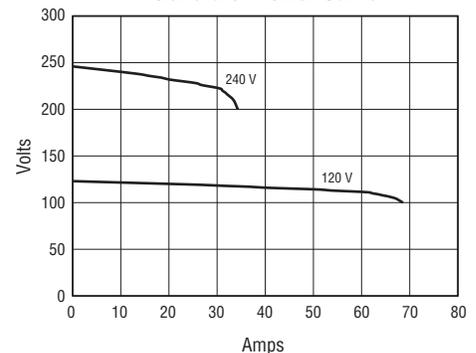
Duty Cycle



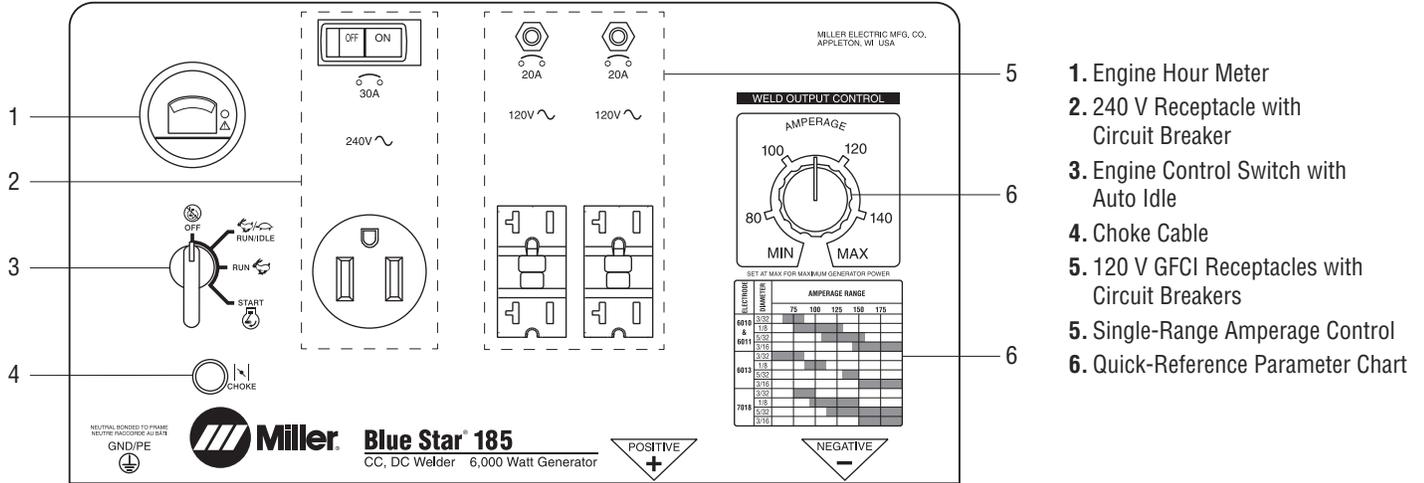
Volt/Amp Curve



Generator Power Curve



Control Panel



Power Usage Guide

The power generator is designed to provide **strong power** while keeping the voltage within 10 percent of 120/240 V. 120/240 V ±10 percent is the range where tools and motors are designed to operate. **This increases tool/motor performance and tool/motor life.**

Typical Contractor Tools

| Tool | Starting Watts | Running Watts |
|-----------------------------------|----------------|---------------|
| Hand Drill | | |
| 1/4 inch | 350 | 350 |
| 1/2 inch | 600 | 600 |
| Circular Saw | | |
| 6-1/2 inch | 500 | 500 |
| 8-1/4 inch | 1,400 | 1,400 |
| Table Saw (10 inch) | 6,300 | 1,800 |
| Band Saw (14 inch) | 2,500 | 1,100 |
| Air Compressor | | |
| 1/2 hp | 3,000 | 1,000 |
| 1-1/2 hp | 8,200 | 2,200 |
| Electric Chain Saw | | |
| 1/2 hp, 12 inch | 1,100 | 1,100 |
| 2 hp, 14 inch | 1,100 | 1,100 |
| Flood Lights | | |
| HID | 125 | 100 |
| Metal halide | 313 | 250 |
| Mercury | 1,000 | — |
| Vapor | 1,250 | 1,000 |
| Submersible Pump (400 gph) | 600 | 200 |
| Centrifugal Pump (900 gph) | 900 | 500 |
| High Pressure Washer | | |
| 1/2 hp | 3,150 | 950 |
| 1 hp | 6,100 | 1,600 |
| Wet and Dry Vac (1.7 hp) | 900 | 900 |

Typical Farm Equipment

| Machine | Starting Watts | Running Watts |
|---|----------------|---------------|
| Portable Conveyor (1/2 hp) | 3,400 | 1,000 |
| Farm Duty Motors (e.g. conveyors, feed augers, air compressors) | | |
| 1/3 hp | 1,720 | 720 |
| 1-1/2 hp | 8,200 | 2,200 |
| Washer (2 gal/min.) | | |
| 550 psi | 4,500 | 1,400 |
| 700 psi | 6,100 | 1,600 |

Typical Industrial Motors

| Motor | Starting Watts | Running Watts |
|--|----------------|---------------|
| Split Phase | | |
| 1/8 hp | 800 | 300 |
| 1/2 hp | 3,175 | 875 |
| Capacitor Start — Induction Run | | |
| 1/3 hp | 2,020 | 720 |
| 1-1/2 hp | 8,200 | 2,200 |
| Capacitor Start — Capacitor Run | | |
| 1-1/2 hp | 8,100 | 2,000 |
| Fan | | |
| 1/8 hp | 1,000 | 400 |
| 1/2 hp | 3,500 | 1,100 |

Genuine Miller® Accessories



Running Gear 301246

Compact, balanced, lightweight, wheel-barrow-style running gear designed for easy on-site mobility.



Lifting Eye 195353

Secure lift point when picking up machine.

Protective Cover 301245

Blue with logo. Attractive, mildew-resistant, odor-free, water-resistant cover protects your machine's finish.

Spark Arrestor Kit 301244

Mandatory when operating on California grasslands, brush, or forest-covered land, and all national forests. For other areas, check your state and local laws.

Weld Cables 300836

Consists of 50-foot (15.2 m), No. 2 electrode cable with insulated electrode holder and lug, and 50-foot (15.2 m) No. 2 work cable with clamp and lug.



Spectrum® 375 X-TREME™ 907529

See literature PC/9.2. Comes complete with protective X-CASE™ (not shown).

Receptacle Kit 088297

6-foot cord with NEMA 6-50P plug to adapt to any 240 V application.

240 V Electrical Plug 213380

For use with 240 V receptacle.

Remote Oil Drain Kit 224831

Quick connect for easy engine maintenance.

Engine Tune-Up Kit 268469

Field For Kohler CH440. Includes spark plug and engine air filter.

Ordering Information

| Equipment | Stock No. | Description | Qty. | Price |
|---------------------------|---------------|---|------|-------|
| Blue Star® 185 | 907664 | Kohler engine, with 120 V GFCI receptacles | | |
| Accessories | | | | |
| Running Gear | 301246 | Balanced running gear for easy transport | | |
| Lifting Eye | 195353 | Provides safe and secure lifting of machine | | |
| Protective Cover | 301245 | Blue with logo | | |
| Spark Arrestor Kit | 301244 | | | |
| Receptacle Kit | 088297 | 6 ft. cord with 240 V plug | | |
| Remote Oil Drain Kit | 224831 | Quick connect for easy engine maintenance | | |
| 240 V Electrical Plug | 213380 | For use with 240 V receptacle | | |
| Engine Tune-Up Kit | 268469 | Includes spark plug and engine air filter | | |
| Stick Accessories | | | | |
| Weld Cables | 300836 | Includes 50 ft. No. 2 electrical cable and holder, 50 ft. work cable with clamp and lug | | |
| Plasma Accessories | | | | |
| Spectrum® 375 X-TREME™ | 907529 | 120–240 V, 12 ft. torch. See literature PC/9.2 | | |

Date:

Total Quoted Price:

Distributed by:

