The professional welder’s choice —
designed with the professional in mind, the Big Blue 400 Pro
is the best for ease of use, reliability and fuel economy.

Heavy-duty low-speed T4F and
T4i industrial diesel engines
designed to operate over
10,000 hours before the first basic overhaul. Backed by worldwide support and service.

**Kubota.**
Kubota V1505 four-cylinder diesel.

**MITSUBISHI ENGINE NORTH AMERICA, INC.**
Mitsubishi S4L2 four-cylinder diesel.

**CAT DIED POWER**
CATERPILLAR C1.5 three-cylinder diesel and
C1.5T turbo-charged three-cylinder diesel.

Optimized arc control for stick welding applications. See page 2.

**ArcReach**
Parameter control at the wire feeder or pendant without needing a control cord.
See page 2.

---

**Processes**
- Stick (SMAW)
- MIG (GMAW)*
- Flux-cored (FCAW)*
- RMD**
- Pulsed MIG (GMAW-P)**
- DC TIG (GTAW)
- Air carbon arc (CAC-A)

**Outputs**
- DC stick: 20–400 A
- MIG/flux-cored: 14–40 V
- DC TIG: 20–400 A

**Generator Output Rated at 104°F (40°C)**
12,000 watts peak, 10,000 watts continuous

**Accu-Rated—Not Inflated Generator Power**

*With wire feeder.
**ArcReach models only with ArcReach Smart Feeder.
**Big Blue® 400 Pro Features and Controls**

- Digital meters with SunVision™ technology enable welding parameters to be viewed with greater clarity than analog meters — at virtually any angle. Meters can be seen clearly even in direct sunlight.
- Meters display:
  - Process settings for quick and easy setup
  - Preset and actual amperage
- Simple-to-set controls require no elaborate procedure — just select process and weld.
- 10,000 watts of pure generator power.
  Plug in an extra Miller® inverter-based power source for a second welding arc.
- Industrial USB port.
  Quickly upload the latest software and download machine log files.
- Thermal overload protection prevents machine damage if the duty cycle is exceeded or airflow is blocked.

**Big Blue® 400 Pro Technologies**

**Dynamic DIG™ technology**

Ultra-adaptive arc control. Unlike conventional DIG that provides a preset amount of short-clearing current, Miller-exclusive Dynamic DIG technology works on a time-based algorithm that automatically adjusts the amount of current required to clear a short. Delivers a smoother more consistent arc that can be tailored to match application, material, fit-up and welder technique.

**ArcReach® technology (option)**

Parameter control at the wire feeder or pendant without needing a control cord.

ArcReach-equipped power sources work with non-ArcReach accessories; however, the ArcReach benefit is only realized with the complete ArcReach system. This includes an ArcReach-equipped machine and one or more of the following accessories:
- ArcReach SuitCase feeder
- ArcReach Smart Feeder
- ArcReach Stick/TIG Remote

See pages 6 and 7 for more information.
Big Blue® 400 Pro Technologies

**Wireless interface control (option)**

Work hassle-free with full welder/generator control in the palm of your hand.

With wireless interface control, you can remotely switch between welding processes, adjust parameters, select and save preset programs, turn the machine on/off, get service reminders and more from wherever you are on the jobsite — for a more productive day.

Maximize fuel savings and reduce unnecessary engine hours when you use wireless interface control to instantly turn your machine off when needed.

Extend time between fill ups and maintenance intervals while eliminating the need to go back to your machine or climb into the truck to make adjustments.

Wireless interface control is a factory-installed option available on the Big Blue 400 Pro.

**Big Blue® 400 Pro Benefits**

**Easily update technology**

With the industrial USB port, you can easily upload the latest software and download machine log files to retrieve in-depth information from your machine such as diagnostics and statistics.

Visit MillerWelds.com/support to download the latest software updates.

**Less noise**

Quieter job sites are safer and more productive because work crews can communicate easier. The Big Blue 400 Pro is only 71.6 decibels (96 Lwa) under a full load, allowing for easier jobsite communication. Optional wireless interface control makes it easier to shut off your machine when it’s not in use, so you can lower jobsite noise levels and hear what’s going on around you.

**Jobsite safety**

Reduce the need to walk back to or climb into the truck bed to make process and parameter changes, or turn your machine on/off. ArcReach® technology provides parameter control at the wire feeder or Stick/TIG remote and optional wireless interface control provides full front panel control in the palm of your hand, so you can lower the risk of encountering potential jobsite hazards.
Specifications (Subject to change without notice.)

<table>
<thead>
<tr>
<th>Weld Mode/Process</th>
<th>Weld Output Range</th>
<th>Weld Output Rated at 100% Duty Cycle at 104°F (40°C)</th>
<th>Max. Open-Circuit Voltage</th>
<th>Generator Power Output Rated at 104°F (40°C)**</th>
<th>Sound Levels at Rated Output, 23 ft. (7 m)</th>
<th>Dimensions</th>
<th>Net Weight (without fuel)***</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC/DC (TIG)</td>
<td>20–400 A</td>
<td>300 A at 32 VDC</td>
<td>85 VDC</td>
<td>12,000 watts peak, 10,000 watts continuous</td>
<td>Mitsubishi</td>
<td>H: 32 in.</td>
<td>Mitsubishi 993 lb. (450 kg)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>350 A at 27 VDC</td>
<td>30 VDC*</td>
<td>1, phase, 84/42 A, 120/240 VAC, 60 Hz</td>
<td>Idles: 68.7 dB (93 Lwa) Weld: 72.1 dB (97 Lwa)</td>
<td>W: 26.25 in.</td>
<td>Kubota 950 lb. (431 kg)</td>
</tr>
<tr>
<td>CC/DC (Stick)</td>
<td>20–400 A</td>
<td>400 A at 24 VDC</td>
<td></td>
<td></td>
<td>Idles: 66 dB (91 Lwa) Weld: 71.6 dB (96 Lwa)</td>
<td>D: 56 in.</td>
<td>CAT 1,010 lb. (458 kg)</td>
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<tr>
<td>CV/DC (FCAW/MIG)</td>
<td>14–40 V</td>
<td></td>
<td></td>
<td></td>
<td>Idles: 65 dB (90 Lwa) Weld: 71.2 dB (96 Lwa)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Sense voltage for Lift-Arc™ TIG and stick with VRD on.
**Will operate either 60 Hz or 50/60 Hz power tools, lights, etc.
***Additional 82 lb. (37 kg) when fuel tank is full.

Certified by Canadian Standards Association to both the Canadian and U.S. Standards. Meets NEMA and IEC output ratings.

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

<table>
<thead>
<tr>
<th>Engine Brand</th>
<th>Features</th>
<th>HP</th>
<th>Type</th>
<th>Engine Speeds</th>
<th>Capacities</th>
<th>Automatic Engine Shutdown</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mitsubishi S4L2</td>
<td>EPA Tier 4 Final compliant, includes 120 V block heater</td>
<td>24.7</td>
<td>Four-cylinder, liquid-cooled industrial diesel</td>
<td>Idle: 1,500 rpm Weld: 1,800 rpm</td>
<td>Fuel: 11.5 gal. (43.5 L) Oil: 6 qt. (5.7 L) Coolant: 6 qt. (5.7 L)</td>
<td>Low oil pressure, high coolant temperature, low fuel level</td>
</tr>
<tr>
<td>Kubota V1505</td>
<td>Four-cylinder, liquid-cooled industrial diesel</td>
<td>20.2</td>
<td>Four-cylinder, liquid-cooled industrial diesel</td>
<td>Weld: 1,800 rpm</td>
<td>Fuel: 11.5 gal. (43.5 L) Oil: 5.9 qt. (5.6 L) Coolant: 6 qt. (5.7 L)</td>
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<tr>
<td>Caterpillar C1.5T</td>
<td>Turbo-charged three-cylinder, liquid-cooled industrial diesel</td>
<td>24.7</td>
<td>Three-cylinder, liquid-cooled industrial diesel</td>
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<tr>
<td>Caterpillar C1.5</td>
<td>EPA Tier 4i compliant, includes 120 V block heater</td>
<td>21.7</td>
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Performance Data

Fuel Consumption Curve

Simultaneous Welding and Power

<table>
<thead>
<tr>
<th>Weld Amperes</th>
<th>Total Aux. Power Available (Watts)</th>
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<tbody>
<tr>
<td>25 A</td>
<td>10,000</td>
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<tr>
<td>75 A</td>
<td>10,000</td>
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<tr>
<td>125 A</td>
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<tr>
<td>175 A</td>
<td>9,000</td>
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<tr>
<td>225 A</td>
<td>7,500</td>
</tr>
<tr>
<td>300 A</td>
<td>4,500</td>
</tr>
<tr>
<td>350 A</td>
<td>1,000</td>
</tr>
</tbody>
</table>
1. Self-calibrating digital weld meters with fault code indication display preset or actual weld parameters.

2. Pushbutton main control knob used for adjusting amperage/voltage, adjusting arc control, and accessing the service menu.

3. LED process indicator. Front panel process selections are illuminated with an LED that identifies the active process. This enables the selected weld process to be seen at a distance from the power source.

4. Lift-Arc™ TIG with Auto-Stop™ and Auto-Crater™

5. USB port allows software updates from a USB drive. A summary file of recoded data from the unit will be saved to a USB drive that is inserted.

6. Weatherproof Lexan® nameplate is super durable and resists cracking and fading.

7. Adjustable arc control adjusts DIG when process control is in stick mode and adjusts inductance when process control is in FCAW or MIG mode. The amount of DIG determines how much amperage (heat) varies with stick arc length. Inductance determines the "wetness" of the weld puddle.

8. Maintenance interval reminder. Yellow and red indicator lights let an operator know when the machine is approaching and finally in need of routine maintenance.

9. Fuel indicator gauge. Low fuel shutdown shuts engine off prior to running out of fuel to prevent loss of fuel in the system, and make restarts easy.

10. Glow plugs assist in cold weather starting.

11. Engine control switch is used to start the engine and then select between auto idle and high speed lock.


13. 50 A, 120/240 V receptacle and 20 A, 120 V GFCI receptacles with circuit breakers

   Note: For matching 240 V plug, order 119172.

14. Weld output terminals

15. International receptacle panel with 16 A, 240 V receptacle, 20 A 120 V GFCI receptacle and 32 A, 240 V receptacle with circuit breakers

   Note: For matching 240 V, 16 A plug, order 255416 and for matching 240 V, 32 A plug, order 255418.
Genuine Miller® Accessories

Wireless Interface Control Protective Covers  
287594 Field  
Five-pack of screen protectors for wireless interface control remote.

Full KVA Adapter Cord  
300517 Field  
NEMA 14-50P to NEMA 6-50R. Adapts engine drive 120/240 V plug to common Millermatic® and Spectrum® 240 V plug.

Full KVA Plug Kit  
118172 Field  
120/240 V, 50 A plug (NEMA 14-50P) to fit full KVA receptacle.

International Plug  
255416 Field  
1-phase, 240 V, 16 A plug

Engine Filter Kits  
Field  
252782 For Mitsubishi (USA)  
253901 For Kubota (USA/Int’l)  
274427 For CAT Turbo (USA/Int’l)  
246987 For CAT (Int’l)  
Includes all filters required for proper engine maintenance. Oil filter, primary and secondary fuel filter, and primary air filter.

Spark Arrestor (Muffler) Kit  
300585 Field  
Prevents particles from leaving the muffler that could potentially start a fire. Mandatory when operating on California grasslands, brush, or forest-covered land, and in all national forests. For other areas, check your state and local laws. Meets U.S. Forest Service Standard 5100-1B.

FA-1D Lockable Flame Arrestor Fuel Cap  
043947 Field  
Fuel cap can be padlocked to prevent vandalism. A built-in flame arrestor prevents flames or sparks from entering the fuel tank.

Remote Output Panel Kit  
951850 Field  
If your welder/generator is mounted on a truck, easily locate the outputs at the point of use with the auxiliary power and weld output remote panel. See literature AY/20.5.

Protective Cover  
195301 Field  
Blue water-resistant cover with Miller logo resists stains and mildew, and protects the finish of your welder.

MIG (GMAW) or Flux-cored (FCAW)

ArcReach® SuitCase® 8  
951726 With Bernard® BTB Gun 300 A  
951727 With Bernard® S-Gun™  
951728 With Bernard® Dura-Flux® gun

ArcReach® SuitCase® 12  
951729 With Bernard® BTB Gun 300 A  
951730 With Bernard® S-Gun™  
951731 With Bernard® Dura-Flux® gun

Portable feeder designed to run off of arc voltage. When paired with an ArcReach power source, provides remote control of the power source without a control cord — saving time and money. See literature M/6.55.

Spoolmatic® 30A Spool Gun  
130831 Air-cooled, 200-amp, one-pound spool gun for aluminum and stainless MIG. See literature M/1.73. Requires WC-24 Control (137549).

XR® Wire Feeders and Guns  
Push-pull system designed to handle difficult-to-feed soft alloy wires such as aluminum. See literature M/1.74.

AC TIG (GTAW) Welding  
The Dynasty 210 power sources can be run off the engine drive’s generator to provide two arcs with only one engine.

ArcReach® Smart Feeder  
951733 For use with ArcReach models only (see page 3 for more information). Includes drive rolls and Bernard® PipeWorx 300-15 MIG gun. For MIG, FCAW, and advanced RMD® and pulse processes. See literature M/6.55.

Multiple Operator Welding  
The XMT 350 FieldPro and CST 280 power sources can be run off the engine drive’s generator to provide two arcs with only one engine.
Plasma Cutting

Spectrum® 375 X-TREME™ 907529
See literature PC/9.2.

Spectrum® 625 X-TREME™ 907579
See literature PC/9.6.

Spectrum® 875 907583
See literature PC/9.8.

The Spectrum 375 X-TREME and 625 X-TREME come complete with protective X-CASE™ (not shown).

Genuine Miller® Accessories (Continued)

Stick/TIG Remote Controls

ArcReach® Stick/TIG Remote 301325
When paired with an ArcReach power source, provides remote control of the power source without a control cord — saving time and money. See literature AY/14.5.

RHC-14 Hand Control 242211020
Miniature hand control for remote current, voltage and contactor control. Dimensions: 4 x 4 x 3.25 in. (102 x 102 x 82 mm). Includes 20-foot (6 m) cord and 14-pin plug.

Wireless Remote Hand Control 300430
For remote current, voltage and contactor control. Receiver plugs directly into the 14-pin receptacle of Miller machine. 300-foot (91.4 m) operating range.

Wireless Antenna Kit 300749
Recommended for improved reception.

Trailers and Hitches (Note: Trailers are shipped unassembled.)

HWY-Mid Frame Trailer 301438
1,424-pound (646 kg) capacity highway trailer with welded steel tubing frame, heavy-duty axle with roller bearing hubs and leaf-spring suspension. Includes jack stand, fenders, lights, and dual hitch with 2-inch (50 mm) ball hitch and 3-inch (76 mm) lunette eye.

Cable Tree 043826
Provides an area to conveniently wrap weld cables and extension cords.

2-In-1 Document/Fire Extinguisher Holder 301236
Stores documents and holds a 5-pound fire extinguisher.

Wireless Remote Hand Control 300430
For remote current, voltage and contactor control. Receiver plugs directly into the 14-pin receptacle of Miller machine. 300-foot (91.4 m) operating range.

Wireless Antenna Kit 300749
Recommended for improved reception.

Mounting Specifications

Dual Hitch 301441
Combination 2-inch (50 mm) ball hitch and 3-inch (76 mm) lunette eye in one reversible assembly.

2-In-1 Document/Fire Extinguisher Holder 301236
Stores documents and holds a 5-pound fire extinguisher.

Note: Holder shown mounted on trailer. Fire extinguisher not included.

RMS-14 On/Off Control 187208
Momentary-contact switch for contactor control. Rubber-covered pushbutton dome switch ideal for repetitive on-off applications. Includes 26.5-foot (8 m) cord and 14-pin plug.

RCC-14 Remote Contactor and Current Control 151086
East/west rotary-motion fingertip control attaches to TIG torch using two hook-and-loop fasteners. Includes 26.5-foot (8 m) cord and 14-pin plug.

PRHC-14 Hand Control 195511
Complete current or voltage control brings 120 volts GFCI power to work area in a single cord. Housed in a durable, light aluminum case and includes 125-foot (38 m) cord with plugs.

Extension Cables for 14-Pin Remote Controls or 24 VAC Wire Feeders
242208025 25 ft. (7.6 m)
242208050 50 ft. (15.2 m)
242208080 80 ft. (24.4 m)

Trailer Specifications (Subject to change without notice.)

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<thead>
<tr>
<th>Model</th>
<th>Gross Axle Weight Rating</th>
<th>Gross Vehicle Weight Rating</th>
<th>Net Payload</th>
<th>Height of Bed</th>
<th>Road Clearance</th>
<th>Track (Center to center of tires)</th>
<th>Standard Tires (Standard rating or P-size rating)</th>
<th>Dimensions</th>
<th>Net Weight</th>
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<tbody>
<tr>
<td>HWY-Mid Frame</td>
<td>1,605 lb. (728 kg)</td>
<td>1,424 lb. (646 kg)</td>
<td>1,424 lb. (646 kg)</td>
<td>19.5 in. (495 mm)</td>
<td>8 in. (203 mm)</td>
<td>46 in. (1,168 mm)</td>
<td>ST175/80D-13 Load Range C</td>
<td>Length: 101 in. (2,565 mm)</td>
<td>Width: 55 in. (1,397 mm)</td>
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*Width at outside of fenders.
## Equipment and Options

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<th>Description</th>
<th>Stock No.</th>
<th>Qty.</th>
<th>Price</th>
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<td>Big Blue® 400 Pro (USA)</td>
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<td>Big Blue® 400 Pro with ArcReach® (USA)</td>
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<td>Spark Arrestor (Muffler) Kit</td>
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<td>FA-1D Lockable Flame Arrestor Fuel Cap</td>
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<td>Remote Output Panel Kit</td>
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<td>XR™ Wire Feeder Control and Guns</td>
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<td>AC TIG Welding</td>
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<td>RHC-14 Hand Control</td>
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<td>Extension Cables</td>
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<tr>
<td>2-In-1 Document/Fire Extinguisher Holder</td>
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### Date:  

**Total Quoted Price:**

**Distributed by:**

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