

Big Blue® 400 PipePro®

**Diesel Engine-Driven
Welder/AC Generator**



Quick Specs

Heavy Industrial Applications

Cross-country pipeline
Process welding

Processes

Stick (SMAW)
MIG (GMAW)
Flux-cored (FCAW)
RMD®
Pulsed MIG (GMAW-P)
DC TIG (GTAW)
Air carbon arc (CAC-A)
Rated: 1/4-inch (6.4 mm) carbons

Output Range DC stick 20–400 A
DC TIG 20–400 A
FCAW/MIG 14–40 V

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

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

Designed for the transmission pipeline welder.

The Big Blue 400 PipePro offers superior downhill stick arc characteristics, as well as MIG/flux-cored capabilities, to meet high-strength steel requirements for the most demanding pipeline jobs.



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

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

ArcReach®

Remote control of the power source without a cord. See pages 2 and 3.



Built to last in harsh industrial environments



Processes optimized for pipeline welding



Exclusive stick arc control technology for fine-tune adjustments



Perfect for mobile welding rigs



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



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Specifications (Subject to change without notice.)



Weld Mode/ Process	Weld Output Range	Weld Output Rated at 100% Duty Cycle at 104°F (40°C)	Max. Open-Circuit Voltage	Generator Power Output Rated at 104°F (40°C)**	Sound Levels at Rated Output, 23 ft. (7 m)	Dimensions	Net Weight (without fuel)***
CC/DC (TIG)	20–400 A	300 A at 32 VDC 350 A at 27 VDC 400 A at 24 VDC	85 VDC 15 VDC*	12,000 watts peak, 10,000 watts continuous 1-phase, 84/42 A, 120/240 VAC, 60 Hz	Idle: 68.7 dB (93 Lwa) Weld: 72.1 dB (97 Lwa)	H: 32 in. (813 mm) W: 26.25 in. (667 mm) D: 56 in. (1,422 mm)	993 lb. (450 kg)
CC/DC (Stick)	20–400 A						
CV/DC (FCAW/MIG)	14–40 V						

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

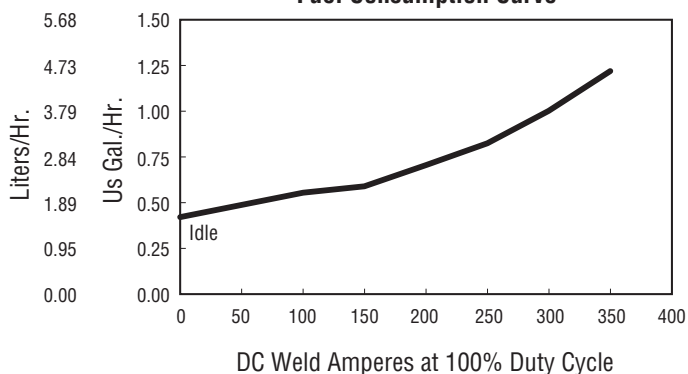
Certified by Canadian Standards Association to both the Canadian and U.S. Standards. Meets NEMA and IEC output ratings.

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

Engine Brand	Features	HP	Type	Engine Speeds	Capacities	Automatic Engine Shutdown
Mitsubishi S4L2	EPA Tier 4 Final compliant, includes 120 V block heater	24.7	Four-cylinder, liquid-cooled, industrial diesel	Idle: 1,500 rpm Weld: 1,800 rpm	Fuel: 11.5 gal. (43.5 L) Oil: 5.8 qt. (5.5 L) Coolant: 10 qt. (9.5 L)	Low oil pressure, high coolant temperature, low fuel level

Performance Data

Fuel Consumption Curve



Simultaneous Welding and Power

Weld Amperes	Total Aux. Power Available (Watts)
25 A	10,000
75 A	10,000
125 A	10,000
175 A	9,000
225 A	7,500
300 A	4,500
350 A	1,000

Genuine Miller® Accessories



Female Receptacle 

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 119172 Field
120/240 V, 50 A plug (NEMA 14-50P) to fit full KVA receptacle.

Engine Filter Kit 252782 Field
For Mitsubishi. 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.



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)



SuitCase® X-TREME™ 8VS Wire Feeder 951582

SuitCase® X-TREME™ 12VS Wire Feeder 951543

Lightweight, voltage-sensing wire feeders include secondary contactor, gas valve, drive roll kit and MIG gun. See literature M/6.42.



SuitCase® 12RC Wire Feeder 951580

Lightweight and flexible enough to run a variety of wires up to .062-inch diameter. Includes remote voltage control, drive roll kit and MIG gun. See literature M/6.5.



SuitCase® X-TREME™ 8VS ArcReach® 951588 With Bernard™ S-Gun™

951584 With Bernard™ BTB Gun 300 A

SuitCase® X-TREME™ 12VS ArcReach® 951589 With Bernard™ S-Gun™

951581 With Bernard™ BTB Gun 300 A

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 cord — saving time and money. See literature M/6.42.



ArcReach® Smart Feeder 300935

For use with ArcReach models only. For MIG, FCAW, and advanced RMD® and pulse processes. See page 3 for more information.

MIG (GMAW)/Flux-cored (FCAW) Guns

See Bernard™ literature SP-BTB for BTB air-cooled MIG guns, and SP-DF for Dura-Flux™ self-shielded flux-cored guns.



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/1.7 – M/1.74.



PipeWorx Memory Cards

For use with ArcReach Smart Feeder only.

301230 System Software

For free download, visit MillerWelds.com

300557 Calibration

Used to calibrate the PipeWorx System. For free download, visit MillerWelds.com

300744 Inconel

Pulsed MIG, .045-inch diameter wire, 100% argon

300460 Range Locks

Provides ability to set nominal parameter values and ranges for wire feed processes.

300667 Accu-Power™

Displays instantaneous power during welding to meet the new ASME requirement for calculating heat input on complex waveform processes (RMD® and pulsed MIG).

301035 Trigger Select/Hold Option

Enables trigger select while welding to change processes and parameters without stopping.

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.



Dynasty® 210 Series

For portable AC/DC TIG. See literature AD/4.81.

Multiple Operator Welding

The XMT 350 and CST 280 power sources can be run off the engine drive's generator to provide two arcs with only one engine.



XMT® 350 Series

See literature DC/18.93.



CST™ 280

See literature DC/29.55.

Genuine Miller® Accessories (Continued)

Plasma Cutting



Spectrum 375 X-TREME and 625 X-TREME shown.

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).

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 cord —

saving time and money. See literature AY/14.5.



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.



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.



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)

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.



Dual Hitch 301441

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

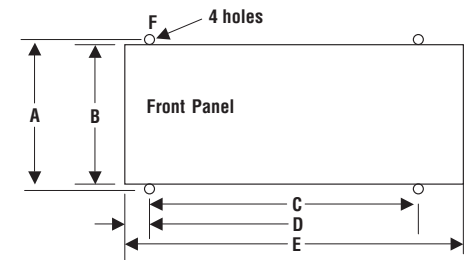


2-In-1 Document/Fire Extinguisher Holder 301236

Stores documents and holds a 5-pound fire extinguisher.

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

Mounting Specifications



A. 27.75 in. (705 mm)

B. 26.25 in. (667 mm)

C. 52.25 in. (1,327 mm)

D. 2 in. (51 mm)

E. 56 in. (1,422 mm)

F. .562 in. (14 mm) dia.

Height: 32 in. (813 mm)

Width: 26.25 in. (667 mm)

Depth: 56 in. (1,422 mm)

Trailer Specifications (Subject to change without notice.)

Model	Gross Axle Weight Rating	Gross Vehicle Weight Rating	Net Payload	Height of Bed	Road Clearance	Track (Center to center of tires)	Standard Tires (Standard rating or P-size rating)	Dimensions	Net Weight
HWY-Mid Frame	1,605 lb. (728 kg)	1,424 lb. (646 kg)	1,424 lb. (646 kg)	19.5 in. (495 mm)	8 in. (203 mm)	46 in. (1,168 mm)	ST175/80D-13 Load Range C	Length: 101 in. (2,565 mm) Width: 55 in. (1,397 mm)*	181 lb. (82 kg)

*Width at outside of fenders.