

Miller[®] DVI₂[™]

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**MIG Arc Welding
Power Source** 

Quick Specs

Industrial Applications

Light Fabrication
Garages/Body Shops
Farm/Ranch
Vocational/Technical Schools

*CSA ratings.

Processes

MIG (GMAW)
Flux Cored (FCAW)

Input Power

230 V, 25 A, 60 Hz, single-phase
115 V, 20 A, 60 Hz, single-phase
115 V, 15 A, 60 Hz, single-phase*

Rated Output 150 A at 23 VDC, 40% Duty Cycle (230 V)
90 A at 18 VDC, 20% Duty Cycle (115 V)
68 A at 19.5 V, 20% duty cycle (115 V)*

Max. Open-Circuit Voltage 32 VDC

Amperage Range 30–175 A

Wire Feed Speed 50–700 IPM (1.3–17.8 m/min)

Weight 169 lb (77 kg)

The Power of Blue.[®]

Six taps provide wider welding range of 30–175 amps with superior performance throughout its operating range. Welds from 22 gauge up to 3/8 in (9.5 mm) thick on 230 VAC power and 22 gauge to 3/16 in (4.8 mm) thick on 115 VAC.

Miller[®] DVI (DUAL VOLTAGE INPUT):

This unique system allows you to connect to 115 V or 230 V power receptacles without any tools. With Miller's exclusive **MVP[™]** (multi-voltage plug) power cord adapters, just pick the MVP that matches the power receptacle, connect it to the power cord and you are ready to weld.

Angled, dual-gear driven, cast aluminum drive system features no-tool, quick-change reversible drive rolls and an easy-to-set, scaled tension knob. [See page 3 for more information.](#)

Patent-pending EZ-Change[™] Low Cylinder Rack allows operators to easily roll cylinders on and off of rack—no need to lift cylinders. [See page 3 for more information.](#)



Add the Spoolmate[™] 3035 spool gun for aluminum welding with optional Spoolmate Gas Valve Kit. And with Miller's exclusive Gun-On-Demand,[™] simply pull the trigger for either gun and you're ready to weld. No time wasted toggling switches!



Comes Complete With:

- 10 ft (3 m) power cord and plug
- 10 ft (3 m) M-10 MIG gun for .030/.035 in wire (0.8/0.9 in wire)
- 10 ft (3 m) work cable and clamp
- Argon mix regulator/flow gauge and hose
- Extra contact tips
- Factory-installed running gear with EZ-Change[™] Low Cylinder Rack
- .030/.035 in reversible drive rolls
- Set-up and operation interactive CD



EZ-Access[™] Consumable Compartment and Parameter Chart — set weld parameters right the first time with convenient new flip-down compartment that provides fast access to parameter chart and consumables. [See page 3 for more information.](#)

Thermal overload protection shuts down unit and activates **over temperature light** if airflow is blocked or duty cycle is exceeded. Automatically resets when fault is corrected and unit cools.

Less weld cleanup with Active Arc Stabilizer[™] — patented Miller design provides excellent starts proven superior to the competition.

TRUE BLUE[®]
3YR. WARRANTY

Welder is warranted for 3 years, parts and labor. Original main power rectified parts are warranted for 5 years.
Gun warranted for 90 days, parts and labor.

MADE IN **USA**
APPLETON, WI **USA**



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Web Site
www.MillerWelds.com



Specifications (Subject to change without notice.)

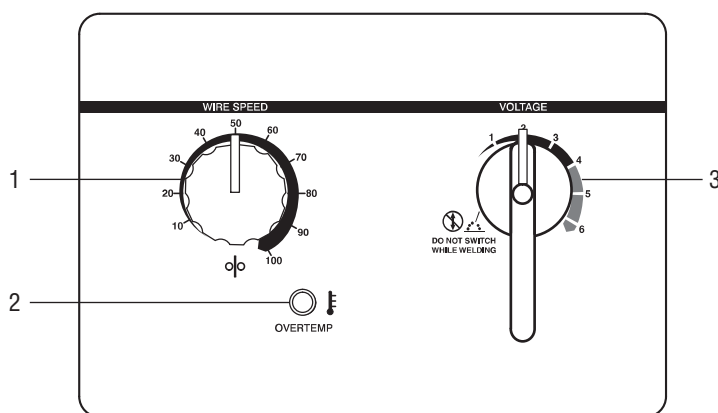


Rated Output	Amperage Range	Max. Open-Circuit Voltage	Amps Input at Rated Output, 60 Hz				Wire Type and Diameter	Wire Feed Speed	Max. Spool Size	Dimensions	Net Weight
			115 V	230 V	KVA	KW					
90 A, 18 V 20% Duty Cycle	30–135 A	32	24.8	—	2.78	2.23	Solid/Stainless Steel: .023–.035 in (0.6–0.9 mm) Flux Cored: .030–.035 in (0.8–0.9 mm) Aluminum: .030–.035 in (0.8–0.9 mm)	50–700 IPM (1.3–17.8 m/min)	12 in (305 mm)	H: 30 in (762 mm) W: 19 in (483 mm) D: 40 in (1061 mm)	169 lb (77 kg)
150 A, 23 V 40% Duty Cycle	30–175 A	32	—	25	5.74	4.93					

Note: Operating Temperature Range: -4° to +104° F (-20 to +40° C) Storage Temperature Range: -22° to +122° F (-30 to +50° C)

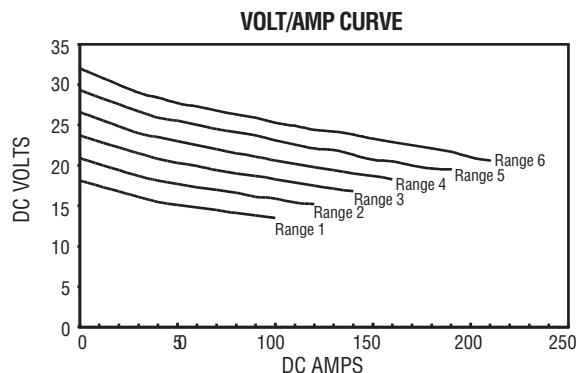
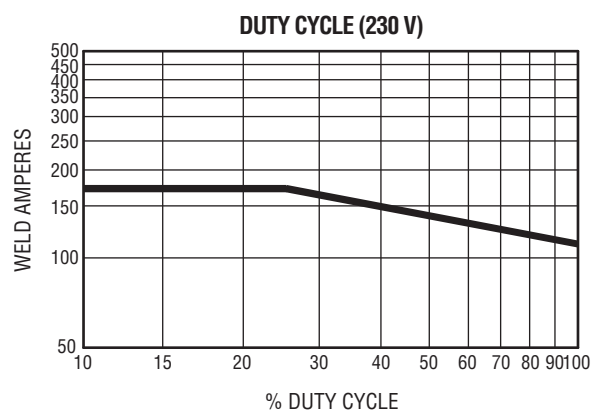
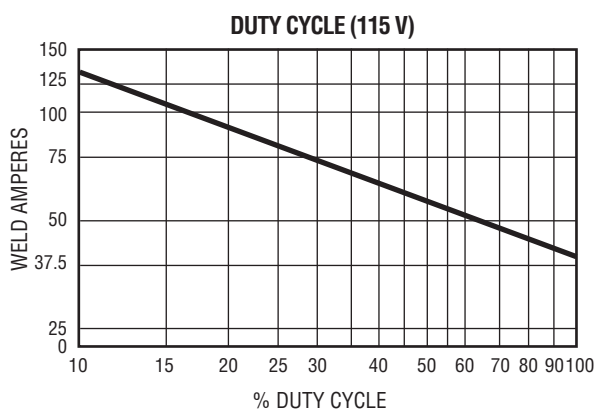
Certified to both the Canadian and U.S. Standards for welding equipment.

Control Panel



1. Wire Feed Speed Control
2. Overtemp Light
3. Voltage Control

Performance Data



Standard Fully Loaded Features

EZ-Change™ Low Cylinder Rack

- Patent-pending design — operators no longer need to lift cylinders. Cylinders now easily roll on and off our EZ-Change™ Low Cylinder Rack.



Angled Wire Drive

- Angled industrial aluminum dual-gear drive system significantly improves wirefeeding and runs large spools of wire.
- Allows quick change of drive rolls without tools.
- Drive roll storage — no more lost drive rolls, extra drive rolls are conveniently stored next to drive motor.
- Operators no longer bump into and bend MIG gun and gun liner.



Dual Front Handles

- Exclusive split handle with rubber grips designed to move machine easily and allow work lead and MIG gun to be stored independently.
- Handles provide protection for front panel and MIG gun during transportation.



EZ-Access™ Consumable Compartment and Parameter Chart

- Convenient flip-down compartment holds parameter chart and storage for consumables.



MVP™ Plugs and Built-in Storage

- With Miller's exclusive MVP (multi-voltage plug) power cord adapters, just pick the MVP that matches the power receptacle, connect to the power cord and you are ready to weld. (Two standard and one optional MVP plugs shown.)
- Handy holders store MVP plugs when not in use.



Optional Fully Loaded Features

Elevated Gun and Cable Rack

#300 335

- Tangle-free, independent way to store spool gun cables, keeping them off of the floor.
- No more running over spool gun cables or cables dragging on the floor.
- Elevated Gun and Cable Rack can be used with either a single or dual cylinder rack. (Elevated Gun and Cable Rack is included with the Dual EZ-Change™ Low Cylinder Rack.)



Dual EZ-Change™ Low Cylinder Rack with Elevated Gun and Cable Rack

#300 337

- Dual cylinder rack allows for easy storage for two cylinders.
- EZ-Change™ Low Cylinder rack eliminates the need to lift cylinders on and off cylinder rack.
- No more running over spool gun cables or cables dragging on the floor.
- Tangle-free, independent way to store spool gun cables, keeping them off of the floor.



Genuine Miller Accessories

M-10 Replacement Gun #195 605
10 ft (3 m). Shipped with liner #194 011.



Spoolmate™ 3035 Spool Gun #195 016
Spool gun for aluminum and other wires. 4 in spools; .023–.035 in (0.6–0.9 mm) aluminum, steel and stainless steel. Rated at 150 amps, 60% duty cycle with 20 ft (6 m) cable assembly.

Gas Valve and Trigger Receptacle Kit #300 338
Required to connect a Spoolmate™ 3035 to the Millermatic DVI₂.

Spoolmate™ 3035 25 ft Extension Cable Kit #194 996
Extends Spoolmate 3035 an additional 25 ft (7.6 m) from power source.

Heavy-Duty Barrel for Spoolmate 3035 #195 375
Use for demanding applications, rated at 200 A, 60% duty cycle.

Adapter Cable #195 287
Allows Spoolmatic® 15A or 30A to be used with Millermatic DVI₂.
Note: WFS is controlled at the machine, not the gun.



Dual EZ-Change™ Low Cylinder Rack with Elevated Gun and Cable Rack #300 337
Dual cylinder rack allows operators to easily roll cylinders on and off the rack with no lifting. Gun and cable rack keeps cables off the floor and tangle free.

Elevated Gun and Cable Rack #300 335
For use with single cylinder rack. *(Included with Dual EZ-Change Low Cylinder Rack.)*



Protective Cover with Helmet Bag #195 142
Features side pocket and helmet bag. *(Not for use with Dual Cylinder Rack or Elevated Gun and Cable Rack.)*

Argon/Mixed Gas Regulator and Gas Hose #195 050
(Order from Miller Service Parts.)

CO₂ Regulator/Flow Gauge #237 702
Required if using 100% CO₂ gas. *(Order from Miller Service Parts.)*

MVP™ Adapter Plugs
(Order from Miller Service Parts.)



#219 258
For Power Cable 6-50P (230 V/50 A).
Included with machine.



#219 261
For Power Cable 5-15P (115 V/15 A).
Included with machine.



#219 259
For Power Cable 5-20P (115 V/20 A). Optional.



For M-10 Gun



Contact Tips

- #087 299 .023/.025 in (0.6 mm)
- #000 067 .030 in (0.8 mm)
- #000 068 .035 in (0.9 mm)



Contact Tip Adapter #169 716



Replacement Liners

- #194 010 .023/.025 in
- #194 011 .030-.035 in (standard)



Nozzle #169 715

1/2 in (13 mm) diameter orifice. Nozzle flush with contact tip (standard).

Spot Nozzles

- #176 237 Flat
- #176 239 Inside corner
- #176 241 Outside corner



Consumable Kits

- #234 607 .023 in (0.6 mm)
 - #234 608 .030 in (0.8 mm)
 - #234 609 .035 in (0.9 mm)
- Contains 10 contact tips, 1 nozzle, and 1 contact tip adapter.

Drive Rolls

Note: Drive roll kits include two drive rolls and an inlet guide.

V-Grooved Drive Roll Kits (solid wire)

- #204 579 .030 & .035 in (0.8 & 0.9 mm)
Combination (Reversible)
- #087 131 .023/.025 in (0.6 mm)
- #079 594 .030 in (0.8 mm)
- #079 595 .035 in (0.9 mm)

V-Knurled Drive Roll Kits

- (Flux Cored or difficult-to-feed wire)
- #079 606 .035 in (0.9 mm)

For Spoolmate™ 3035 Gun



Contact Tips (5 per package)

- #199 730 For .023/.025 in (0.6 mm) wire.
- #186 419 For .030 in (0.8 mm) wire.
- #186 406 For .035 in (0.9 mm) wire.



Nozzle #186 405



Drive Roll (1)

- #199 731 For .023 in (0.6 mm) wire.
- #186 413 For .030/.035 in (0.8/0.9 mm) wire.



Push Roll (1)

- #199 732 For .023 in (0.6 mm) wire.
- #186 414 For .030/.035 in (0.8/0.9 mm) wire.

Ordering Information

Steel Configuration

	Stock No.	Description	Qty.	Price
Millermatic® DVI ₂	#907 323	115/230 V, 60 Hz		
V-Groove Drive Roll Kits (solid wire)	#087 131 #079 594 #079 595 #204 579	.023/.025 (0.6 mm) .030 (0.8 mm) .035 (0.9 mm) .030/.035 (0.8/0.9 mm)		
V-Knurled Drive Roll Kits (flux cored)	#079 606	.035 (0.9 mm)		
Contact Tips (10 per package)	#087 299 #000 067 #000 068	.023/.025 (0.6 mm) .030 (0.8 mm) .035 (0.9 mm)		
Nozzles	#169 715	1/2 in (13 mm) diameter, flush		

Aluminum Configuration

Millermatic® DVI ₂ Spool Gun Package (Also includes standard M-10 MIG gun)	#951 067	115/230 V, 60 Hz with Spoolmate™ 3035, gas valve and trigger receptacle kit, dual cylinder rack, elevated gun and cable rack, regulator and hose		
Spool Gun Drive Roll	#199 731 #186 413	.023 (0.6 mm) .030/.035 (0.8/0.9 mm)		
Spool Gun Push Roll	#199 732 #186 414	.023 (0.6 mm) .030/.035 (0.8/0.9 mm)		
Spool Gun Contact Tips (5 per package)	#199 730 #186 419 #186 406	.023/.025 (0.6 mm) .030 (0.8 mm) .035 (0.9 mm)		
Spool Gun Nozzle	#186 405			

For M-10 gun consumables and Millermatic DVI₂ drive rolls see steel configuration chart above.

Accessories

Gun Convenience Kit for Steel	#193 973	(Order from Miller Service Parts.)		
M-10 Gun	#195 605	10 ft (3 m), .030–.035 in (0.8–0.9 mm)		
Spoolmate™ 3035 Spool Gun	#195 016	Spool gun for aluminum		
Gas Valve and Trigger Receptacle Kit	#300 338	Required to connect a Spoolmate™ 3035 to the Millermatic DVI ₂		
Spoolmate™ 3035 25 ft Extension Cable Kit	#194 996			
Heavy-Duty Barrel for Spoolmate™ 3035	#195 375	200 A, 60% Duty Cycle		
Adapter Cable	#195 287	Allows Spoolmatic® 15A or 30A to be used with Millermatic DVI ₂		
Dual EZ-Change Low Cylinder Rack with Elevated Gun and Cable Rack	#300 337			
Elevated Gun and Cable Rack	#300 335	For use with single cylinder rack. (Included with Dual EZ-Change Low Cylinder Rack.)		
Protective Cover with Helmet Bag	#195 142	Features side pocket and helmet bag		
Argon/Mixed Gas Regulator and Gas Hose	#195 050	(Order from Miller Service Parts.)		
CO ₂ Regulator/Flow Gauge	#237 702	Required if using 100% CO ₂ gas. (Order from Miller Service Parts.)		
MVP™ Adapter Plugs (Order from Miller Service Parts)	#219 258 #219 261 #219 259	For Power Cable 6-50P (230 V/50 A). Included with machine For Power Cable 5-15P (115 V/15 A). Included with machine For Power Cable 5-20P (115 V/20 A). Optional		

Date:

Total Quoted Price:

Distributed by:

