

XMT[®] 400 ArcReach[®]

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**Multiprocess
Welding System** 

Quick Specs

Heavy Industrial Applications

Construction
Shipbuilding
Power generation
plants
Rental fleets
Maintenance repair
operations (MRO)
Fabrication

Processes

MIG (GMAW)
Pulsed MIG (GMAW-P)*
RMD®*
Stick (SMAW)
TIG (GTAW)
Flux-cored (FCAW)
Air carbon arc cutting and gouging (CAC-A)
Rated: 5/16-inch
Induction heating**

Input Power Auto-Line™, 208–575 V
Requires 3- or 1-phase power

Output Range 10–38 V, 15–425 A

Net Weight 34.0 kg

ArcReach® Remote voltage control without
a control cord

*Available with ArcReach Smart Feeder only.

**Available with ArcReach Heater only.

The next step in a legacy so reliable, you can stake your reputation on it.

Simplify your fleet with the new XMT 400 ArcReach — tackle more jobs with one machine.

The streamlined user interface allows your crew to dial in exactly what they need with several specialized features and settings, including ArcReach, Auto-Line™ and dedicated weld processes.

ArcReach technology allows you to take full control where it matters — process and parameter changes all happen at the point of use — improving jobsite efficiency, weld quality, and safety.



Ideal for:

- Structural
- General construction
- Ship
- Rental fleets



**More Jobsite
Productivity
and Efficiency**



**Built To
Work Harder**



**Empower
Your Welders**

ArcReach[®]

Remote voltage control at the
wire feeder or remote without
needing a control cord. See
page 2 for more information.



Power source is warranted for three years, parts and labor.



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XMT® 400 ArcReach® Systems Benefits



More Jobsite Productivity and Efficiency



Built To Work Harder



Empower Your Welders

AR ArcReach® capabilities eliminate the time spent tracing weld cables hundreds of feet back to the power source because weld operators can make adjustments at the ArcReach wire feeder or remote.

AR Cable Length Compensation (CLC™) setting means output is automatically adjusted at the power source to account for voltage drop due to long weld cables, ensuring the operator's preferred weld parameters.

Regulated metal deposition (RMD®) and pulsed MIG are fully supported, enabling operators to use these advanced processes in the field for faster, more efficient welds.

Jobsite mobility is made easy with the smallest and lightest machine in its amperage class.

True multiprocess system provides conventional stick, TIG, FCAW, and MIG welding as well as the advanced technologies of RMD and pulse.

Fleet compatibility. ArcReach-equipped power sources and wire feeders work with non-ArcReach equipment; however, the complete ArcReach benefit is only realized with the ArcReach system.

AR = ArcReach feature

Extensively field-proven XMT 400 ArcReach welders and ArcReach feeders and remotes deliver the performance you need with ruggedly constructed internal components and Wind Tunnel Technology™.

AR No more expenses related to maintaining or replacing easily damaged control cords because the weld cables are used to communicate weld parameters between the wire feeder and power source.

AUTO-LINE TECHNOLOGY For portability and reliability, Auto-Line allows for any input voltage hookup (208–575 V, single- or three-phase) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable input power.

Wind Tunnel Technology.™ Internal air flow that protects electrical components and PC boards from dirt, dust and debris... greatly improving reliability.

Fan-On-Demand™ cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through machine.

Universal connector system quickly and easily allows the machine to be configured to either Tweco®, Dinse-, or Cam-Lok-style receptacles. Extra receptacles and wrench are sold separately as Universal Connector Kits (see page 8).

AR More control for weld operators with quick, easy adjustments at the wire feeder/remote.

AR Weld operators can Adjust While Welding (AWW™) to change weld parameters while the arc is on.

AR Inadvertent parameter changes by other jobsite workers can be easily avoided because connecting an ArcReach accessory from the power source automatically locks out the power source's panel controls.

AR Return to a previous weld process faster because the power source is restored to the previously used weld process and parameter settings once the ArcReach accessory is removed.

AR Decrease the chance of an incorrect weld process being used because Auto-Process Select™ automatically sets the power source to the correct weld process based on the polarity applied to the weld accessory.

Process selector switch reduces the number of control setup combinations without reducing any features.

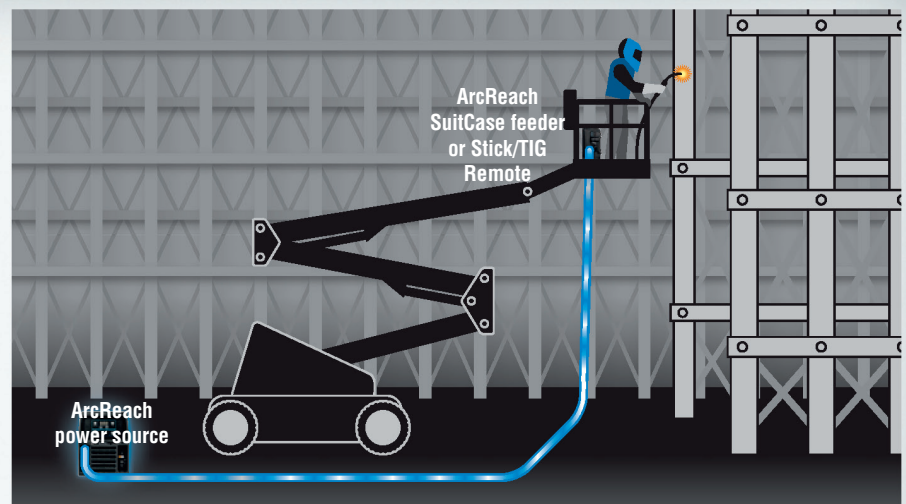
Adaptive Hot Start™ helps promote a fast positive arc ignition helping minimize defects.

Infinite arc control available in the stick and wire modes for easier fine tuning of tough-to-weld materials and out-of-position applications.

ArcReach®

Remote control of the power source without a cord.

ArcReach® technology uses the existing weld cable to communicate welding control information between the feeder or remote and power source. This technology eliminates the need for control cords, and their associated problems and costs.



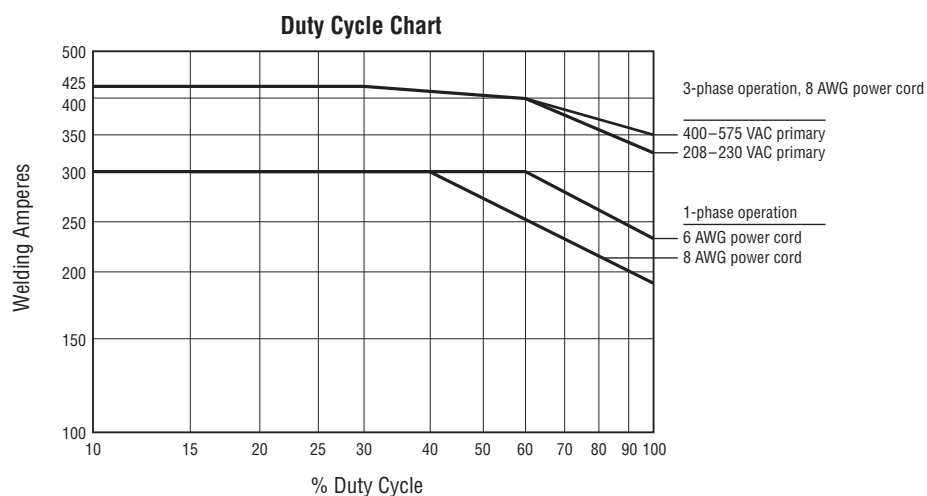
XMT[®] 400 ArcReach[®] Specifications (Subject to change without notice.)



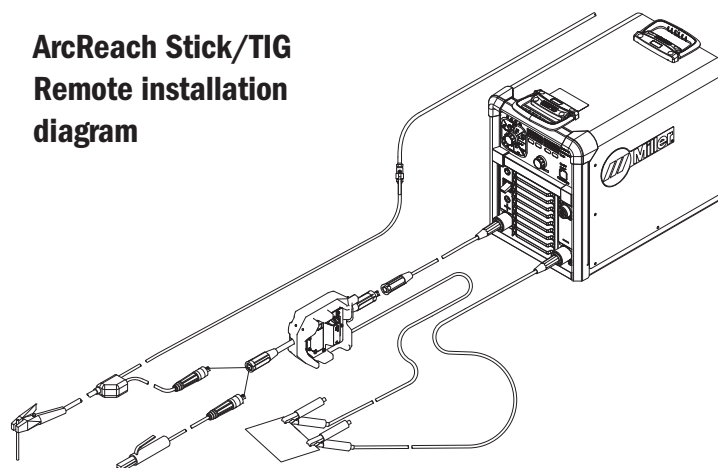
Input Power	Voltage Range in CV Mode	Amperage Range in CC Mode	Rated Output	Amps Input at Rated Load Output, 60 Hz							Max. Open-Circuit Voltage	Dimensions	Net Weight
				208 V	230 V	400 V	460 V	575 V	KVA	KW			
Three-phase	10–38 V	5–425 A	400 A at 36 VDC, 60% duty cycle	47.4	42.4	24.4	21.4	18.0	17.1	16.0	91 VDC 25/12 VDC*	A 438 mm W 324 mm D 514 mm	34.0 kg
Single-phase	10–38 V	5–425 A	300 A at 32 VDC, 60% duty cycle	59.9	52.1	27.1	23.5	19.9	11.5	10.8			

*When Voltage Reduction Device is active. See Owner's Manual for details.

Performance Data



ArcReach Stick/TIG Remote installation diagram



XMT® 400 ArcReach® Features



Remote in use indicator provides convenient feedback indicating an ArcReach® wire feeder is controlling the power source. While under ArcReach control, process and voltage/ amperage adjustments are locked out, preventing accidental changes by personnel other than the welding operator.



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. Includes carbon arc gouging mode for enhanced arc stability and control, and two stick modes (EXX10 and EXX18) designed to reduce spatter and enhance arc starts.

Auto Remote Sense™ enables unit to automatically use remote control if connected to remote control receptacle.

14-pin receptacle has the flexibility to be used with spool guns, feeders, and remote controls.



ArcReach Stick/TIG Remote

Portable and lightweight, the ArcReach® Stick/TIG Remote paired with an XMT 400 ArcReach power source allows you to change weld settings at your work area, saving a trip to the power supply. No extra control cord to purchase, maintain, string or unstring — saving time and money.

ArcReach® SuitCase® 8 and 12 Features

Setting the standard for performance. Heavy-duty drive motor with tachometer control provides wire feed speed that is accurate and consistent from the start of the weld to the finish and from one weld to the next, which provides consistent arc quality. Wide voltage range for small and large wires with no contactor chatter or arc outages.

Set volts and wire feed speed remotely. The simple interface on the feeder allows operators to adjust parameters at the point of use with no control cords.

Durable design reduces downtime. Impact-resistant case and the elimination of feeder control cords provides a solid solution to last in harsh environments.



Easy process changeover. Simply connect the ArcReach SuitCase feeder to your weld lead and you are ready to go. The power source automatically switches settings to run conventional wire processes.

Easy solution for traditional wire process. Add the flux-cored capability of the XMT® 400 ArcReach® for fill and cap passes for increased productivity.

Weld with large diameter (3/32 in.) wire. The ArcReach SuitCase 12 Heavy Duty model is specifically designed for applications using 3/32-inch wire.

ArcReach® SuitCase® Specifications (Subject to change without notice.)



(Use with CC or CV, DC power sources.)

Model	Input Power	Input Welding Circuit Rating	Wire Feed Speed	Wire Type and Diameter Capacity	Max. Spool Size Capacity	Dimensions	Net Weight
8	Operates on open-circuit voltage and arc voltage: 14–48 VDC/ 110 max. OCV	330 A at 60% duty cycle	1.3–19.8 m/min. dependent on arc voltage	Solid wire: 0.6–1.4 mm Flux-cored: 0.8–2.0 mm	203 mm 6.4 kg	A 324 mm W 184 mm D 457 mm	13 kg
12		425 A at 60% duty cycle		Solid wire: 0.6–1.4 mm Flux-cored: 0.8–2.0 mm	305 mm 20 kg	A 394 mm W 229 mm D 533 mm	15.9 kg
12 Heavy Duty		450 A at 60% duty cycle	1.76–10.2 m/min. dependent on arc voltage				

ArcReach® Smart Feeder Features

ArcReach Smart Feeder delivers excellent RMD® and pulsed MIG welding up to 200 feet away from the power source with no control cords — twice the distance previously possible. RMD and pulsed MIG processes also help reduce weld failures and eliminate backing gas on some stainless and chrome-moly applications.

Easy process changeover. Simply connect the ArcReach Smart Feeder to your leads and you are ready to go. All controls automatically shift to the ArcReach Smart Feeder.



Synergic processes. RMD and pulsed MIG welding permits procedures with one wire and one gas to eliminate process switch-over time.

Durable design reduces downtime. Impact-resistant case and the elimination of feeder control cords provide a solid solution to last in harsh environments.

ArcReach® Smart Feeder Specifications (Subject to change without notice.)



(Use with ArcReach-equipped power sources.)

Input Power*	Input Welding Circuit Rating	Wire Feed Speed	Wire Diameter Capacity	Max. Spool Size Capacity	Dimensions	Net Weight
XMT 400 ArcReach® connected to three-phase power or an ArcReach-equipped engine drive	275 A at 60% duty cycle	1.3–12.7 m/min. dependent on arc voltage	0.9–1.1 mm	305 mm 15 kg	A 457 mm W 330 mm D 546 mm	23 kg

*XMT 400 ArcReach must be connected to three-phase power when using the ArcReach Smart Feeder. Using single-phase power may cause the feeder to unpredictably interrupt welding.

ArcReach® Heater Features

Take charge of your field preheat and bakeout applications up to 315°C.

As part of the ArcReach technology platform, the heater is an accessory for select ArcReach welding power sources.

The induction heating tools (air-cooled cables or air-cooled quick wraps) connect to the ArcReach Heater, which is powered by select on-site welding power sources.



Air-cooled cable



Air-cooled quick wrap

Learn more at
MillerWelds.com/induction

ArcReach Heater systems allow economical, insourced weld preheating and bakeout

With ArcReach Heater systems you can:

- Eliminate the costly overruns common with heating contractors
- Eliminate delays due to transitions between heating and welding crews
- Run your own schedule without depending on third-party contractors
- Use existing on-site welding equipment up to 200 feet away as the heating power source
- Lower preheating and bakeout costs
- Automatically and accurately document joint temperatures
- Eliminate safety concerns caused by traditional resistance and open-flame heating

ArcReach Heater air-cooled induction heating system is specifically designed for preheating and bakeout applications up to 600 degrees Fahrenheit (315°C), without the need for a cooler and coolant. Preheat and bakeout programs can be manually entered or loaded via USB drive. Heating data is automatically recorded and can be used in quality control and documentation needs. The air-cooled cables and quick wraps are manufactured from durable high-temperature materials, and designed to withstand the tough conditions in both industrial and construction applications.

Induction benefits

Reduce injury

Increase safety by removing open flames from your jobsite.

Reduce labor

Perform other tasks while heating is happening.

Reduce inefficiencies

Customer's weld team can be their heating team.

Reduce time to heat

In many cases your overall cycle can be up to four times faster than flame or resistance heating.

ArcReach Heater Specifications (Subject to change without notice.)

Input Power	Ambient Temperature Range		Rated Output	Dimensions	Net Weight
	Storage	Usage			
Operates on open-circuit voltage: 50–70 V	-20–55°C	-10–40°C	7.8 kW at 100% duty cycle	A 472 mm W 285 mm D 678 mm	23.4 kg

 Manufactured and certified in accordance with IEC-60974-1, -10.

Ordering Information

XMT® 400 ArcReach® Packages	Stock No.	Description	Qty.	Price
XMT 400 ArcReach®	907865003	208–575 V, 50/60 Hz, Dinse-style connectors		
System Components				
ArcReach® SuitCase® 12	301456	Dinse-style connectors with drive rolls and Euroconnector for 300 mm (12 in.) spool		
ArcReach® SuitCase® 8	301457	Dinse-style connectors with drive rolls and Euroconnector for 200 mm (8 in.) spool		
ArcReach® Smart Feeder	301177	Dinse-style connectors, with drive rolls, Euroconnector		
ArcReach® Stick/TIG Remote	301325	Dinse-style connectors		
ArcReach® Heater	301591	See literature IN/16.0		
Accessories				
ArcReach® Feeder Gas Flow Meter Kit	301306	For ArcReach SuitCase 8/12 feeders and ArcReach Smart Feeder		
Field Runner	7600000022	For air cooled configurations		
Air-Cooled Interconnecting Cables	058019294	5 m (16.4 ft.)	70 mmq weld cable and gas hose for ArcReach® SuitCase® 8 and 12	
	058019295	10 m (32.8 ft.)		
	058019296	20 m (65.6 ft.)		
	058019297	30 m (98.4 ft.)		
	058019302	5 m (16.4 ft.)	70 mmq weld cable and gas hose for ArcReach® Smart Feeder	
	058019303	10 m (32.8 ft.)		
	058019304	20 m (65.6 ft.)		
	058019305	30 m (98.4 ft.)		
Interconnection Cables for Gasless Welding	027112351	15 m (49.2 ft.)	70 mmq weld cable for ArcReach® SuitCase® 8 and 12	
	027112352	20 m (65.6 ft.)		
	027112353	25 m (82.0 ft.)		
	027112354	30 m (98.4 ft.)		
	027112355	10 m (32.8 ft.)	95 mmq weld cable for ArcReach® SuitCase® 8 and 12	
	027112356	15 m (49.2 ft.)		
	027112357	20 m (65.6 ft.)		
	027112358	25 m (82.0 ft.)		
	027112359	30 m (98.4 ft.)		
Guns				
Bernard® BTB Gun 300 A (GMAW)	Q3015TE3EEQ	For other configurations, see Bernard® literature SP-BTB		
Bernard® Dura-Flux Gun™ (FCAW)	FLX3515AM	For other configurations, see Bernard® literature SP-DF		
EuroGun A-300, 3 m	058023005	Air-cooled		
EuroGun A-300, 4.5 m	058023006	Air-cooled		

Date

Total Quoted Price:

Miller recommends  consumables

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