

XMT[®] 350 FieldPro[™] PR

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**Multiprocess
Welding System** 

Quick Specs

Heavy Industrial Applications

Construction
Shipbuilding
Power generation plants
Rental fleets

Processes

MIG (GMAW)
Pulsed MIG (GMAW-P)*
RMD[®]*
Stick (SMAW)
TIG (GTAW)
Flux-cored (FCAW)
Air carbon arc cutting and gouging (CAC-A)
Rated: 1/4-inch carbons, Capable: 5/16-inch carbons
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 91 lb. (41.3 kg)

ArcReach[®] Remote voltage control without a control cord

*Available with ArcReach Smart Feeder only.

**Available with ArcReach Heater only.



Game-changing welding technologies can stop you from wasting hours every day.

ArcReach welding technology minimizes the non-value-added time spent walking to and from the power source — and maximizes arc-on time, weld quality and jobsite safety.

When operators have complete control at the feeder or remote — even hundreds of feet away from the power source — it minimizes downtime and maximizes productivity, while improving operator safety and delivering high quality welds.



The XMT 350 FieldPro with Polarity Reversing (PR) is ideal for:

- Process pipe
- Module assemblies



More Jobsite Productivity and Efficiency



Exceptional Arc Performance



Increased Uptime



Improved Jobsite Safety



Maximize Fleet Compatibility



More Operator Control



ArcReach[®] Heater Compatibility

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® 350 FieldPro™ PR System Benefits



More Jobsite Productivity and Efficiency

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.

- **Cable Length Compensation (CLC™)** ensures that the voltage a weld operator sets is the voltage they get by automatically adjusting voltage based on weld cable length, even hundreds of feet away from the power source.



Increased Uptime

XMT 350 FieldPro PR power sources and ArcReach feeders and remotes have been extensively field-proven and deliver the performance you need with ruggedly constructed internal components and Wind Tunnel Technology™.

- **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.



More Operator Control

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

- **Weld operators can Adjust While Welding (AWW™)** to change weld parameters while the arc is on.
- **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.
- **Return to a previous weld process faster** because the power source is restored to its previous settings once the ArcReach accessory is removed.
- **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.



Exceptional Arc Performance

XMT 350 FieldPro PR power sources maximize weld quality, reduce training time and minimize weld defects even while using weld cables that are hundreds of feet long.

- **Common weld failures can be minimized** with stick stops that are specifically programmed to eliminate arc strikes outside of the heat-affected zone.
- **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.



Improved Jobsite Safety

The chances of slip, trip or fall injuries are decreased because ArcReach technology allows weld operators to make parameter changes at the wire feeder/remote instead of having to travel through multistory and cluttered jobsites back to the power source.



Maximize Fleet Compatibility

Maximize fleet compatibility and get the benefits of ArcReach when you pair XMT 350 FieldPro PR power sources and ArcReach feeders with other ArcReach compatible products.



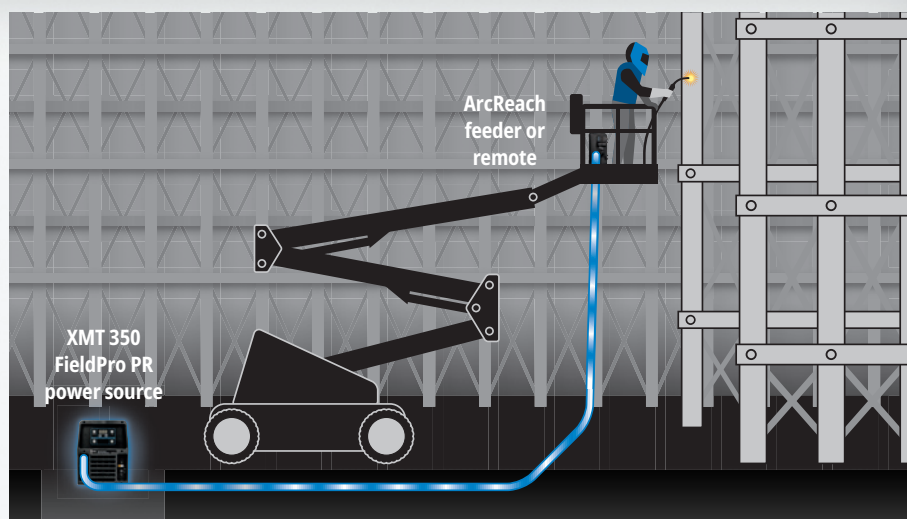
ArcReach® Heater Compatibility

Take charge of your field preheat and bakeout applications up to 600 degrees Fahrenheit (315°C). This system uses induction heating to generate heat in workpieces, so welders can do their own preheating quickly and safely.

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.



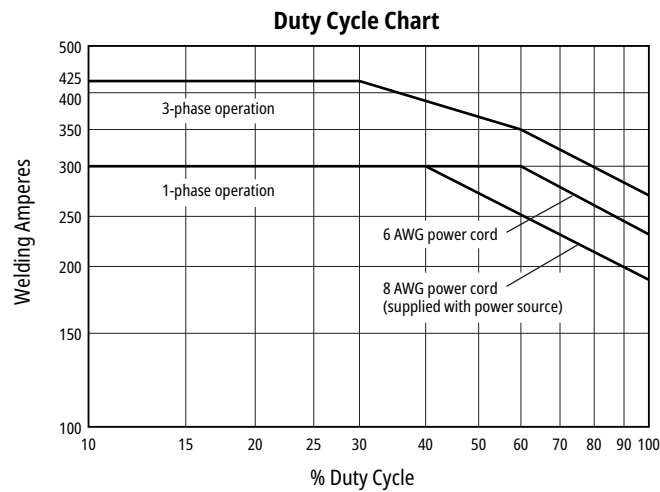
XMT[®] 350 FieldPro[™] PR Specifications (Subject to change without notice.)



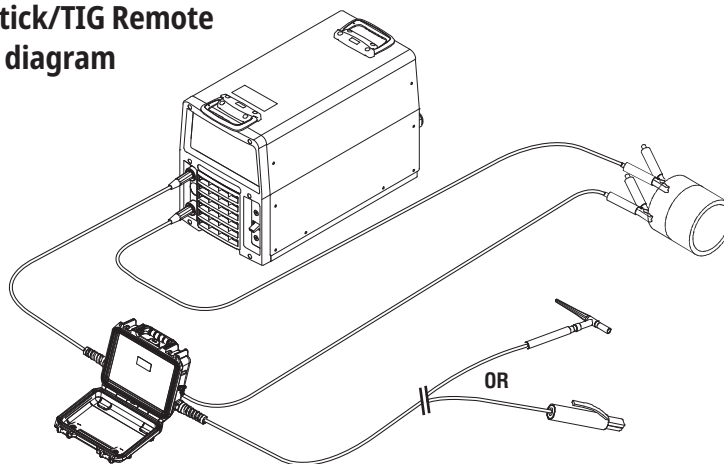
Input Power	Voltage Range in CV Mode	Amperage Range in CC Mode	Rated Output	Amps Input at Rated Load Output, 60 Hz							Max. Open-Circuit Voltage	Dimensions	Net Weight
				208 V	230 V	400 V	460 V	575 V	KVA	KW			
Three-phase	10–38 V	5–425 A	350 A at 34 VDC, 60% duty cycle	40.4	36.1	20.6	17.8	14.1	14.2	13.6	75 VDC	H: 17 in. (432 mm) W: 12.5 in. (318 mm) D: 24 in. (610 mm)	91 lb. (41.3 kg)
Single-phase	10–38 V	5–425 A	300 A at 32 VDC, 60% duty cycle	60.8	54.6	29.7	24.5	19.9	11.7	11.2			

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

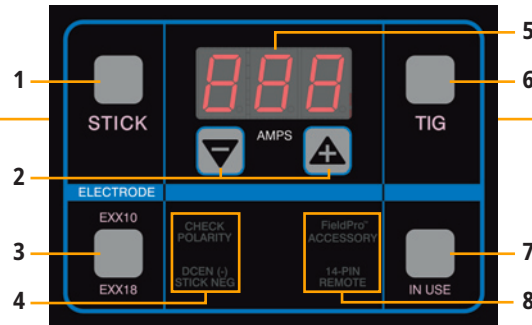
XMT[®] 350 FieldPro[™] PR Performance Data



ArcReach[®] Stick/TIG Remote installation diagram



XMT® 350 FieldPro™ PR Features



Easy to use. The XMT 350 FieldPro PR power source is streamlined and simplified to reduce setup time and potential weld defects. Pushbutton process changeover eliminates the need for swapping cables. The robust design will withstand harsh environments common in the field.

Superior arc performance. The optimized stick and TIG performance specifically meets the needs of open root pipe welding and helps reduce training time and increases quality. Starts maintain root opening and prepared edge and stops limit arc marks outside of the heat-affected zone.

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.

Cable Length Compensation (CLC™) makes proper setup of weld parameters faster; automatically adjusting voltage based on weld cable length. This ensures that the voltage a welder operator sets is the voltage they get.

Adjust While Welding (AWW™) allows operators to make precise adjustments even while a weld bead is being laid, which allows parameters to be changed while the arc is on.

RMD® and pulsed welding without control cords up to 200 feet away from the power source with the ArcReach® Smart Feeder.

1. Stick Process Selection Button
2. Amperage Output Adjustment
3. Stick Electrode Type Selection
4. Polarity Indicators
5. Digital Meter
6. TIG Process Selection Button
7. In Use Indicator
8. Remote Indicators

Auto-Bind automatically establishes an exclusive communication between the power source and the wire feeder, using the existing weld cables upon system power up.

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.

Lightweight aerospace-grade aluminum case offers protection with the benefit of reduced weight.

New durability standard for field construction. Designed and built to withstand the harshest field environments.

Dinse- or Tweco®-style weld disconnects provide high-quality weld cable connections.

Jobsite mobility is made easy with a small, compact design and Auto-Line technology.

Complete remote control. The optional ArcReach® Stick/TIG Remote with Polarity Reversing provides all the same functionality of the XMT 350 FieldPro PR hundreds of feet from the power source, including process changeover, and amperage adjustment with no special cables. Connect the ArcReach Stick/TIG Remote with Polarity Reversing in line with the electrode holder or TIG torch with standard welding cables and have *complete remote control*.

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

Adaptive Hot Start™ makes starting stick electrodes easy without creating an inclusion.

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

Lift-Arc™ provides arc starting that minimizes contamination of the electrode and without the use of high-frequency.

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.

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® 350 FieldPro™ PR power source 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.)



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	50–780 ipm (1.3–19.8 m/min.) dependent on arc voltage	Solid wire: .023–.052 in. (0.6–1.4 mm) Flux-cored: .030–5/64 in. (0.8–2.0 mm)	8 in. (203 mm) 14 lb. (6.4 kg)	H: 12.75 in. (324 mm) W: 7.25 in. (184 mm) D: 18 in. (457 mm)	28 lb. (13 kg)
12		425 A at 60% duty cycle		Solid wire: .023–.052 in. (0.6–1.4 mm) Flux-cored: .030–5/64 in. (0.8–2.0 mm)	12 in. (305 mm) 45 lb. (20 kg)	H: 15.5 in. (394 mm) W: 9 in. (229 mm) D: 21 in. (533 mm)	35 lb. (15.9 kg)
12 Heavy Duty		450 A at 60% duty cycle	30–400 ipm (1.76–10.2 m/min.) dependent on arc voltage	Flux-cored: .030–3/32 in. (0.8–2.4 mm)			

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.

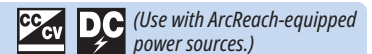
Easy process changeover. Simply connect the ArcReach Smart Feeder to your leads and you are ready to go. All controls automatically shift to the ArcReach Smart Feeder.



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.)



Input Power*	Input Welding Circuit Rating	Wire Feed Speed	Wire Diameter Capacity	Max. Spool Size Capacity	Dimensions	Net Weight
XMT 350 FieldPro connected to three-phase power or an ArcReach-equipped engine drive	275 A at 60% duty cycle	50–500 ipm (1.3–12.7 m/min.) dependent on arc voltage	.035–.045 in. (0.9–1.1 mm)	12 in. (305 mm), 33 lb. (15 kg)	H: 18 in. (457 mm) W: 13 in. (330 mm) D: 21.5 in. (546 mm)	50 lb. (23 kg)

*XMT 350 FieldPro must be connected to three-phase power when using the ArcReach Smart Feeder. Using single-phase may cause the feeder to unpredictably interrupt welding.

ArcReach® Heater Features

Take charge of your field preheat and bakeout applications up to 600 degrees Fahrenheit (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.

Learn more at MillerWelds.com/induction



Air-cooled cable



Air-cooled quick wrap

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

The 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		Rated Output	Dimensions	Net Weight
	Storage	Usage			
Operates on open-circuit voltage: 50–70 V	-4 – 131°F (-20 – 55°C)	14 – 104°F (-10 – 40°C)	7.8 kW at 100% duty cycle	H: 18.6 in (472 mm) W: 11.2 in (285 mm) D: 26.7 in (678 mm)	43 lb. (20 kg) CSA 50.5 lb. (23.4 kg) CE

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

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

XMT® 350 FieldPro™ PR Packages

**MOST
POPULAR!**

RMD®/Pulse System

951739

RMD/pulse system includes XMT 350 FieldPro PR power source, ArcReach® Smart Feeder with drive rolls and Bernard® PipeWorx 300-15 MIG gun.

- Offers traditional MIG and flux-cored processes, as well as advanced RMD and pulse programs
- Weld up to 200 feet away from the power source with no special cables
- Save welding parameters for later use on SD memory card
- Complete remote control at the weld joint



MIG/Flux-Cored System

951735001

MIG/flux-cored system includes XMT 350 FieldPro PR power source, ArcReach® SuitCase 12 feeder with drive rolls and Bernard® BTB Gun 300 A with AccuLock™ consumables.

- No feeder control cords
- Eliminates trips back to power source
- Total remote control
- Automatically changes to CV output when feeder is connected



Stick/TIG System

951737

Stick/TIG system includes XMT 350 FieldPro PR power source and ArcReach® Stick/TIG Remote with Polarity Reversing

- Remotely change process
- Set actual amperage
- Remotely change polarity
- No need to swap weld cables
- Detects improper connection



Ordering Information Most popular models ◀

XMT 350® FieldPro™ PR Packages	Stock No.	Description	Qty.	Price
XMT 350 FieldPro with Polarity Reversing RMD®/Pulse System	951739 ◀	208–575 V, Tweco-style connectors — includes XMT 350 FieldPro PR power source, ArcReach® Smart Feeder with drive rolls and Bernard® PipeWorx 300-15 MIG gun		
XMT 350 FieldPro with Polarity Reversing MIG/Flux-Cored System	951735001	208–575 V, Tweco-style connectors — includes XMT 350 FieldPro PR power source, ArcReach® SuitCase® 12 feeder with drive rolls and Bernard® BTB Gun 300 A with AccuLock™ consumables		
XMT 350 FieldPro with Polarity Reversing Stick/TIG System	951737	208–575 V, Tweco-style connectors — includes XMT 350 FieldPro PR power source, and ArcReach® Stick/TIG Remote with Polarity Reversing		
XMT 350 FieldPro PR Racks				
XMT 350 FieldPro with Polarity Reversing 4-Pack Rack	907742	Fused 460/575 V, 50/60 Hz, Tweco-style connectors		
XMT 350 FieldPro with Polarity Reversing 6-Pack Rack	907741	Fused 460/575 V, 50/60 Hz, Tweco-style connectors		
System Components				
XMT 350 FieldPro with Polarity Reversing Power Source	907731 ◀ 907731001	208–575 V, 50/60 Hz, Tweco-style connectors 208–575 V, 50/60 Hz, Dinse-style connectors		
ArcReach SuitCase 12 MIG/FCAW Feeder with Tweco®-style Connectors	951729001 951730 951731 951732	With drive rolls and Bernard BTB Gun 300 A with AccuLock consumables With drive rolls and Bernard S-Gun™ with Quik Tip™ consumables With drive rolls and Bernard Dura-Flux™ gun with Centerfire™ consumables With drive rolls and Bernard PipeWorx 300-15 MIG gun with Centerfire consumables		
ArcReach® SuitCase® 8 MIG/FCAW Feeder with Tweco-style Connectors	951726001 951727 951728	With drive rolls and Bernard BTB Gun 300 A with AccuLock consumables With drive rolls and Bernard S-Gun with Quik Tip consumables With drive rolls and Bernard Dura-Flux gun with Centerfire consumables		
ArcReach Smart Feeder MIG/FCAW/RMD/Pulse Feeder	951733 300935 300935001	Tweco-style connectors, with drive rolls and Bernard PipeWorx 300-15 MIG gun Tweco-style connectors Dinse-style connectors		
ArcReach Stick/TIG Remote Polarity Reversing	300934	Tweco-style connectors		
ArcReach® Heater		See literature IN/16.0		
Accessories				
Bernard® PipeWorx 300-15 MIG Gun	195400	15 ft. (4.6 m), 300 A air-cooled MIG gun designed for use with ArcReach smart systems		
ArcReach® Feeder Gas Flow Meter Kit	301306	For ArcReach SuitCase 8/12 feeders and ArcReach Smart Feeder		

Date:

Total Quoted Price:

Distributed by:

