

XMT® 350 FieldPro™

Welding Systems

Issued February 2022 •
Index No. DC/70.1 UK

**Multiprocess
Welding System**



TPS

WeldTech

Quick Specs



Heavy Industrial Applications

Construction
Shipbuilding
Power generation plants
Rental fleets

Processes

MIG (GMAW)
Pulsed MIG (GMAW-P)*
RMD®*
Stick (SMAW)
Lift-Arc™ TIG (GTAW)
Flux-cored (FCAW)
Air carbon arc cutting and gouging (CAC-A)
Induction heating

Input Power Auto-Line™, 230–460 V,
3-phase power

Output Range 10–38 V, 15–425 A

Net Weight 42.2 kg (93 lb.)

ArcReach® Remote voltage control without
a control cord

**Available with ArcReach® Smart Feeder only.*



Game-changing welding and pre-heating 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 hundred metres away from the power source – it minimizes downtime and maximizes productivity, while improving operator safety and delivering high quality welds.



ArcReach®

Cable Length Compensation (CLC™) ensures voltage an operator sets is voltage they get. CLC automatically adjusts voltage based on weld cable length, even hundred metres away from the power source.



**More Jobsite
Productivity and
Efficiency**

Maximize fleet compatibility and get the benefits of ArcReach® when you pair XMT® 350 FieldPro™ welders and ArcReach® feeders with other ArcReach® compatible products.



**Maximum Fleet
Compatibility**

Eliminate expenses related to maintaining or replacing easily damaged control cords. Weld cables are used to communicate weld parameters between the wire feeder and power source.



**Increased
Uptime**

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.



**Exceptional
Arc Performance**

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



**More Operator
Control**

Decrease trip or fall injuries. 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.



**Improved
Jobsite Safety**

**Available with ArcReach® Smart Feeder only.*

TRUE BLUE®

3YR. WARRANTY

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

XMT® 350 FieldPro™ Series Features

XMT® 350 FieldPro™ with ArcReach® Technology

Ideal for:

- Structural
- General construction
- Ship



XMT® 350 FieldPro™ Polarity Reversing with ArcReach® Technology

Ideal for:

- Process pipe
- Module assemblies



For portability and reliability, Auto-Line allows for any input voltage hookup (230-460 V, three-phase) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable input power.

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.

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

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

True multiprocess system provides conventional stick, Lift-Arc™ TIG, FCAW, and MIG welding as well as the advanced technologies of RMD®, pulse and induction heating.

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.

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



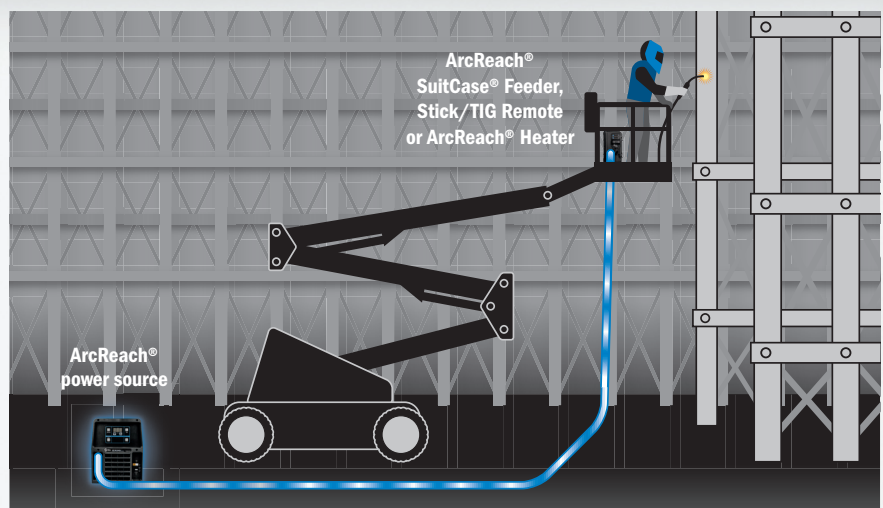
Input Power	Voltage Range in CV Mode	Amperage Range in CC Mode	Rated Output	IP Rating	Amps Input at Rated Load Output, 50 Hz					Max. Open-Circuit Voltage	Dimensions	Net Weight
					230 V	400 V	460 V	KVA	KW			
Three-phase	10 – 38 V	5 – 425 A	350 A at 34 VDC, 60% duty cycle	IP23	36.1	20.6	17.8	14.2	13.6	75 VDC	H: 432 mm (17 in.) W: 318 mm (12.5 in.) D: 610 mm (24 in.)	42.2 kg (93 lb.)

CE All CE models conform to the applicable parts of the IEC 60974 series of standards.



Remote control of the power source without a control cord.

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



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. Front panel has trigger hold, wire jog, and gas purge for easy operator access. 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.



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™ for fill and cap passes for increased productivity.

Durable design reduces downtime.

Impactresistant case and the elimination of feeder control cords provides a solid solution to last in harsh environments.

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

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

Model	Input Power	IP Rating	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	IP23	330 A at 60% duty cycle	1.3–19.8 m/min. (50–780 ipm) dependent on arc voltage	Solid wire: 0.6–1.4 mm (.023–.052 in.) Flux-cored: 0.8–2.0 mm (.030–5/64 in.)	203 mm (8 in.), 6.4 kg (14 lb.)	H: 324 mm (12.75 in.) W: 184 mm (7.25 in.) D: 457 mm (18 in.)	13 kg (28 lb.)
12			425 A at 60% duty cycle		Solid wire: 0.6–1.4 mm (.023–.052 in.) Flux-cored: 0.8–2.0 mm (.030–5/64 in.)	305 mm (12 in.), 20 kg (45 lb.)	H: 394 mm (15.5 in.) W: 229 mm (9 in.) D: 533 mm (21 in.)	15.9 kg (35 lb.)

CE All CE models conform to the applicable parts of the IEC 60974 series of standards.

ArcReach® Smart Feeder Features

ArcReach® Smart Feeder delivers excellent

RMD® and pulsed MIG welding up to 60 meters 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 chromemoly applications. Set volts and wire feed speed remotely.

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.

Impactresistant 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.)

CC CV **DC** (Use with ArcReach® equipped power sources.)

Input Power	IP Rating	Input Welding Circuit Rating	Wire Feed Speed	Wire Diameter Capacity	Max. Spool Size Capacity	Dimensions	Net Weight
Operates on open-circuit voltage and arc voltage: 14–48 VDC/110 max. OCV*	IP23	275 A at 60% duty cycle	1.3–12.7 m/min. (50–500 ipm) dependent on arc voltage	0.9–1.1/1.2 mm (.035–.045 in.)	305 mm (12 in.), 15 kg (33 lb.)	H: 457 mm (18 in.) W: 330 mm (13 in.) D: 546 mm (21.5 in.)	23 kg (50 lb.)

*Welding with the ArcReach® Smart Feeder requires the XMT® 350 FieldPro™ to be hooked up to three-phase power.

CE All CE models conform to the applicable parts of the IEC 60974 series of standards.

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. Air-cooled quick wraps are used on pipes for quick set-up whilst the air-cooled cables can be used on any flat or irregularly shaped objects.



Air-cooled cable



Air-cooled quick wrap



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

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

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

Ordering Information

System Components	Stock No.	Description	Qty.	Price
XMT® 350 FieldPro™ Power Source	907730001	230-460 V, 50/60 Hz, Dinse-style connectors		
XMT® 350 FieldPro™ Polarity Reversing Power Source	907731001	230-460 V, 50/60 Hz, Dinse-style connectors		
ArcReach® SuitCase® 12 MIG/FCAW Feeder	301456	Dinse-style connectors with drive rolls and Euroconnector for 300 mm (12 in.) spool		
ArcReach® SuitCase® 8 MIG/FCAW Feeder	301457	Dinse-style connectors with drive rolls and Euroconnector for 200 mm (8 in.) spool		
ArcReach® Smart Feeder MIG/FCAW/RMD®/Pulse Feeder	301177	Dinse-style connectors, with drive rolls, Euroconnector		
ArcReach® Heater	301591	See ArcReach® Heater literature IN/16.0N		
Accessories				
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.)		
Spool Adapter	047141	For 6.4 kg (14 lb.) spools		
ArcReach® Feeder Gas Flow Meter Kit	301306	For ArcReach® SuitCase® 8 and 12 and ArcReach® Smart Feeder		
ArcReach® Stick/TIG Remote	301325	Dinse-style connectors		
Running Gear	058035016	4-wheel cart		
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:

Distributed by:

© 2022 Miller Electric Mfg. LLC