

# XMT® 350 Series

Multiprocess Welding Power Source 

## Quick Specs



### Heavy Industrial Applications

Construction  
Shipbuilding  
Railroad  
Truck/trailer manufacturing  
Fabrication  
Repair shops  
Rental fleets  
Power generation plants

### Processes

MIG (GMAW)  
Pulsed MIG (GMAW-P)\*  
Flux-cored (FCAW)  
Stick (SMAW)  
TIG (GTAW)  
Air carbon arc (CAC-A) cutting and gouging  
Rated: 6 mm carbons  
*\*MPa model only*

**Input Power** 230–575 V, 50/60 Hz, 3-phase power

**Rated Output** 275 A at 100% duty cycle, 350 A at 60% duty cycle

**Max. Open-Circuit Voltage** 75 V

**Net Weight** 43 kg (94.8 lb.)

**Wind Tunnel Technology™** protects electrical components and PC boards from contamination.

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

**Lift-Arc™** allows TIG starting without the use of high-frequency. Starts the arc without contaminating the weld with tungsten.

**Adaptive Hot Start™** increases the output amperage at the start of the weld if necessary, reducing electrode sticking.

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

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



XMT 350  
CC/CV

XMT 350  
MPa

**115-volt auxiliary power** provides 10 amps of circuit-breaker-protected power for coolant systems, etc.



Power source is warranted for three years, parts and labour. Original main power rectifier parts are warranted for five years.

**Large, dual digital meters** are easy to view and are presettable to ease setting weld output.

**Auto-Line™ power management technology** allows for any input voltage hookup (230–575 V) with no manual linking required, providing convenience in any job setting. Ideal solution for dirty or unreliable input power.

### Additional benefits of MPa model

**Built-in pulsed MIG capabilities.**

**Advanced arc control** enables an improved pulse welding arc. The operator has more control over puddle and bead characteristics using SharpArc. In addition, the unit provides a more robust and stable arc at very low arc length, reducing heat input, and providing the ability to weld on a wider range of material thickness.

**SharpArc®** controls the arc in pulsed MIG mode and gives total control over the arc cone shape, puddle fluidity and bead profile.

## Specifications (Subject to change without notice.)



Voltage Range in CV Mode	Amperage Range in CC Mode	Rated Output	IP Rating	Amps Input at Rated Output, 50/60 Hz 230 V 400 V 460 V 575 V KVA KW	Max. Open-Circuit Voltage	Dimensions	Net Weight
10–38 V	5–425 A	275 A at 21 VDC, 100% duty cycle 350 A at 34 VDC, 60% duty cycle	IP23	36.1 20.6 17.8 14.1 14.2 13.6	75 V	H: 432 mm (17 in.) W: 318 mm (12.5 in.) D: 610 mm (24 in.)	36.3 kg (80 lb.) without aux. pwr. 43 kg (94.8 lb.) with aux. pwr.

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



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# Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
<b>XMT® 350 CC/CV</b>	<b>907161012</b>	Auto-Line™ 230–575 V with auxiliary power		
<b>XMT® 350 MPa</b>	<b>907366002</b>	Auto-Line™ 230–575 V with auxiliary power		
<b>Wire Feeders/Torch</b>				
SuitCase® 12RC	<b>301121</b>	See literature WFM/60.0		
XR™-S Control	<b>300601</b>	Standard model with wire feed speed digital display, jog/purge, run-in control, and trigger hold. See literature M/1.7		
XR™-D Control	<b>300687</b>	Enhanced model has same features as XR-S model plus advanced digital and programming capabilities. See literature M/1.7		
XR-AlumaFeed™	<b>300509</b>	Advanced model adds Profile Pulse™, synergic control for XMT 350 MPa, trigger schedule select, lock capabilities and flow meter		
70 Series	<b>300617003</b> <b>300577</b> <b>300578</b>	S-74D. See literature WFM/30.0 S-74 MPa Plus. Single-wire synergic feeder for XMT 350 MPa. See literature WFM/30.0 D-74 MPa Plus. Dual-wire synergic feeder for XMT 350 MPa. See literature WFM/30.0		
ST-24	<b>029007395</b> <b>029007396</b> <b>029007397</b>	Non-synergic feeder. See literature WFM/4.0 Non-synergic feeder with quick-connect coolant fittings and remote voltage control Same as 029007396 plus digital meters		
ST-44	<b>029007406</b> <b>029007404</b>	Non-synergic feeder. See literature WFM/51.2 Non-synergic feeder w/digital meters, quick-connect coolant fittings, remote voltage control		
Air-Cooled Interconnecting Cables	<b>058019028</b> <b>058019044</b> <b>058019039</b>  <b>19490550</b> <b>19491050</b> <b>19491570</b>	3 m (10 ft.) 5 m (16.4 ft.) 10 m (32.8 ft.)  5 m (16.4 ft.) 10 m (32.8 ft.) 15 m (49.2 ft.)	70 mmq weld cable, control cable, gas hose for ST-24/ST-44   70 mmq weld cable, control cable, gas hose for SuitCase 12RC	
Water-Cooled Interconnecting Cables	<b>058019032</b> <b>058019033</b> <b>058019046</b>  <b>058019174</b> <b>058019175</b> <b>058019176</b>	3 m (10 ft.) 5 m (16.4 ft.) 10 m (32.8 ft.)  3 m (10 ft.) 5 m (16.4 ft.) 10 m (32.8 ft.)	70 mmq weld cable, control cable, gas and water hose for ST-24/ST-44   70 mmq weld cable, control cable, gas and water hose for MPa Plus feeders	
Torch	<b>D4015BB8EESF</b>	Bernard™ D-4015 water-cooled, 1.2 mm, 4.57 m (15 ft.)		
<b>Accessories</b>				
HydraCool® 1	<b>028042103</b> <b>028042104</b>	115 V coolant system 230 V coolant system		
HydraCool® 2	<b>028042105</b> <b>028042106</b>	115 V coolant system 230 V coolant system		
Industrial Coolant	<b>043810</b>	3.78-liter plastic bottle ( <i>must be ordered in quantities of 4</i> )		
HF 5000	<b>V29012345</b>	HF starter. See literature AYM/5.1		
Universal Running Gear	<b>018035028</b>	With gas cylinder rack. Used for TIG configuration		
Kit, MIG Running Gear	<b>058066129</b>	Use with Universal Running Gear for MIG configuration		
Kit, Swivel	<b>028066300</b>	Use with XMS 425 or Kit, Top Shelf		
Kit, Top Shelf	<b>053066128</b>	Use with Universal Running Gear or Kit, MIG Running Gear		
Welding Intelligence™	<b>301072</b>	Insight Core™ 14-pin module		
<b>Remote Controls</b>				
Wireless Remote Foot Control	<b>300429</b>	Foot control with wireless 27.4 m (90 ft.) operating range		
Wireless Remote Hand Control	<b>300430</b>	Hand control with wireless 91.4 m (300 ft.) operating range		
RFCS-14	<b>043554</b>	6 m (20 ft.), foot control		
RHC-14	<b>242211020</b> <b>242211100</b>	6 m (20 ft.), remote current/contactor hand control 30.5 m (100 ft.), remote current/contactor hand control		
RHC-14-P	<b>028040220</b>	Hand control		
RHC-14-P Cord	<b>027112331</b>	15 m (49.2 ft.) cord		
SHRC-14	<b>058040019</b> <b>058040020</b> <b>058040021</b>	5 m (16.4 ft.), single-hand control for current only 10 m (32.8 ft.), single-hand control for current only 20 m (65.6 ft.), single-hand control for current only		

Date:

Total Quoted Price:

Distributed by:

