

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.



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.

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.

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	Max. Open-Circuit Voltage	Dimensions	Net Weight
				230 V 400 V 460 V 575 V KVA KW			
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.



ITW Welding – BV

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Ordering Information

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

