

Migmaster® 215 Pro & 280 Pro



- Sturdy, robust step-controlled welding power sources
- Intended for medium (215 Pro) to heavy-duty (280 Pro) GMAW applications with solid wires of steel, stainless steel, and aluminum, as well as cored wires with or without shielding gas
- ESAB's proven technology and software provide reliability and outstanding welding performance
- Made with a strong galvanized metal casing to withstand harsh environments
- Large wheels and built-in wire feeder make these machines practical, mobile solutions
- The units are fan-cooled and equipped with thermal overload protection
- A wide current and voltage range, plus two inductance outlets (280 Pro) make it easy to optimize settings for a variety of consumables and shielding gases
- Equipped with V/A digital meter with hold feature
- Equipped with the potentiometers to set the wire feed speed, spot welding time, and burnback time adjustment
- Equipped with additional functions such as creep start and inching



Ordering Information

Migmaster 215 Pro Ready to Weld Packages

208/230V, 1ph, 15 ft. (4.5 m), Spray Master 250 .. 0558101322
208/230V, 1ph, 13 ft. (4 m), MXL 270* 0561000000

Migmaster 215 Pro Spool Gun Packages

230V, 1ph, 15 ft. (4.5 m), Spray Master 250, MT-250SG* .. 0561000001
230V, 1ph, 13 ft. (4 m), MXL 270 MT-250SG* ... 0561000002

Includes: power source with built-in wire feeder with .030-.045 in. (0.8-1.2 mm) drive roll, guide tube, 10 ft. (3 m) primary input cable with plug, gas hose, undercarriage, cylinder rack, Tweco Spray Master 250 or MXL 270 MIG gun, 10 ft. (3 m) work cable with clamp, R-33 regulator/flowmeter, 40-lb (18-kg) spool of .035 in. (0.9 mm) solid wire.

Migmaster 280 Pro Ready to Weld Packages

208/230V, 1ph, 15 ft. (4.5 m), Spray Master 250 .. 0558101324
208/230V, 1ph, 13 ft. (4 m), MXL 340* 0561000010
208-575V, 1ph, 15 ft. (4.5 m), Spray Master 250 .. 0558101365
208-575V, 1ph, 13 ft. (4 m), MXL 340* 0561000015

Migmaster 280 Pro Spool Gun Packages

230V, 1ph, 15 ft. (4.5 m), Spray Master 250/MT-250SG* .. 0561000011
230V, 1ph, 13 ft. (4 m), MXL 340/MT-250SG* 0561000012
208-575V, 1ph, 15 ft. (4.5 m), Spray Master 250/MT-250SG* .. 0561000016
208-575V, 1ph, 13 ft. (4 m), MXL 340/MT-250SG* .. 0561000017

Includes: power source with built-in wire feeder with .030-.045 in. (0.8-1.2 mm) drive roll, guide tube, 10 ft. (3 m) primary input cable, gas hose, undercarriage, cylinder rack, Tweco Spray Master 250 or MXL 340 MIG gun, 10 ft. (3 m) work cable with clamp, and R-33 regulator/flowmeter. 230V packages include primary plug.

**Available in Canada only.*

Migmaster® 215 Pro & 280 Pro



Options & Accessories

Air Filters

Migmaster 215 Pro	0349302599
Migmaster 280 Pro	0349312810

Cable & Torch Holders

Migmaster 215 Pro	0349303362
Migmaster 280 Pro	0349312800

MT-250SG spool gun	36779
ST-23A spool gun ¹	19164

¹Requires ST-23A spool gun adaptor kit #37301.

Dual Cylinder Tray Kits

Migmaster 215 Pro	0349309312
Migmaster 280 Pro	0349312760

Feed Rolls

.023-.030 in. (0.6-0.8 mm) V-HARD.....	0367556001
.030-.040 in. (0.8-1.1 mm) V-HARD.....	0367556002
.035-.045 in. (0.9-1.2 mm) V-HARD ²	0349312497
.040-.045 in. (1.1-1.2 mm) U-SOFT	0367556004
.045/.052-1/16 in. (1.2/1.4-1.6 mm) VK-G.....	0367556006

²Included in ready to weld packages.

Specifications

	Migmaster 215 Pro	Migmaster 280 Pro
Input voltage	208/230V, 1ph, 60Hz	208/230V, 1ph, 60Hz 230/460/575V, 1ph, 60Hz
Primary input current, 250A @ 25% duty cycle	53A/48A	74A/66A 66A/34A/26A
Permitted load at: 20% duty cycle 40% duty cycle 60% duty cycle 100% duty cycle	250A/23V - 160A/22V 110A/19.5V	- 300A/29V 250A/26.5V 194A/23.7V
Setting range (DC)	40A/16V-250A/23V	40A/16V-300A/29V
Power factor at maximum current	0.95	0.97
Efficiency at maximum current	76%	71%
Wire feed speed, ipm (m/min)	75-700 (2-17.8)	55-770 (1.4-19.5)
Burnback time	0-0.25 sec.	0-0.25 sec.
Spot welding time	0.2-2.5 sec.	0.2-2.5 sec.
Creep start	Selectable	Selectable
Voltage steps	12	21
Dimensions, LxWxH, in. (mm)	33x16.7x32.7 (840x425x830)	32x22x36.5 (840x552x925)
Weight, lbs. (kg)	216 (98)	308 (140)
Operating temperature, °F (°C)	14 to 104 (-10 to 40)	14 to 104 (-10 to 40)
Enclosure class	IP 23 S	IP 23 S
Wire dimensions, in. (mm): Steel Aluminum Stainless steel Cored wire	.023-.045 (0.6-1.2) .047 (1.2) .023-.045 (0.6-1.2) .035-.045/.052-1/16 (0.9-1.2/1.4/1.6)	.023-.045 (0.6-1.2) .047 (1.2) .023-.045 (0.6-1.2) .035-.045/.052-1/16 (0.9-1.2/1.4/1.6)