

Power i-MIG 253DPI and 275P Cross Comparison

Spot On Features.

The times are changing. If you are in the welding industry, it can be hard to keep up and stay trained on the latest advances in the industry. One thing that most people want when jumping to new technology is intuitive, easy to understand features. This is even more true in Pulse MIG welding. Hours and real money can go down the drain training yourself or others on new equipment and techniques, especially in the auto body and marine industries where aluminum welding and brazing is now a requirement. Our Power i-MIG line of Pulse MIG welders stand out for being among

the easiest to use in the industry. Whether you prefer the simple, manually adjusted pulse single pulse features of the Power i-MIG 275P or the smooth, easy setup of the synergic single and double Pulse of the Power i-MIG single mig for that "MIG like TIG" look, these welders are easy to understand and setup. No complicated hidden menus, weird symbols or lists to scroll through. If you don't see the info you need about our machines and are interested in this analysis, just give us a call at 877-755-9353 and we'll work to help you find that information.



	Power i-MIG 253 DPI	Power i-MIG 275P	HTP 220MTS 60220P-15AK	HTP 300 60300P	Millermatic 255 907734
Price	\$2849.00	\$1999.00	\$2195.00	\$5595.00	\$2745.00
Warranty	5 Year Parts and Labor	5 Year Parts and Labor	3 Year Parts and Labor	3 Year Parts and Labor	3 Year Parts and Labor
Processes	MIG/Stick	MIG/Stick w E6010	MIG/DC TIG/Stick	MIG/DC TIG/Stick	MIG
Inverter or Transformer	Digitally Controlled Inverter	Digitally Controlled Inverter	Digitally Controlled Inverter	Digitally Controlled Inverter	Digitally Controlled Inverter
Type of Input Power	1 Phase	1 Phase	1 Phase	1 or 3 Phase	1 Phase
Input Voltage	208-240V	208-240V	208-240V	208-575V	208-240V
MIG Duty Cycle	60% @ 250A	50% @ 275A	35% @ 200A	35% @ 300A	15% @ 350A/ 60% @ 230A
MIG Amp Range	10-250A	30-275A	12-200A (220A for 10s)	15-300A	20-350A (rated as 250A)
MIG Gun Type/Connection type (Standard Equipped)	24 Series/Euro	36 Series/ Euro	15 Series/Euro	Not Included /(Euro)	MDX 250/ Proprietary
Inrush (I _{max}) Amps @ 240V 1 Phase	45.5A	48.2A	40A	52.9A	74.6A
Rated Input (I _{EFF}) Amps @ 240V 1 Phase	36A	35A	Not Specified	31.3A	30.8A
Weight	68 lbs.	68 lbs.	42 lbs.	95 lbs.	84 lbs.
Dimensions	11.5Wx18"Hx26"L	11.5"Wx18"Hx26"L	10"Wx14.5"Hx 19.75"L	12"Wx 17.25"Hx 26.75"L	13.75" Wx19.24"Hx 26.25"L
OCV	80V	70V	75V	79V	87V
Single Pulse Capability	Yes	Yes	Yes	Yes	Yes
Double Pulse Capability	Yes	No	Yes	Yes	No
Manual MIG Capability (Non Pulse)	Yes	Yes	Yes	Yes	Yes
Manual Pulse MIG Control	Adjustable Override of Synergic	Full	No	No	Limited**
Synergic MIG (Non-Pulse) Capability	Yes	Yes	Yes	Yes	Yes
Synergic Pulse MIG Capability	Yes	No	Yes	Yes	Yes
Spool Gun Capability	Yes	Yes	Yes	Yes	Yes
Push-Pull Gun Capability	Yes	Yes	Yes	Yes	Yes
Aluminum Capability with only the MIG Gun and liner	Yes	Yes	Yes	Yes	No
Wire Jog (Cold Feed for Setup)	Yes	No	No	No	Yes
Slow Wire Run in for improved starting	Yes, Adjustable	Yes, Preset, Not Adjustable	Yes, Adjustable	Yes, Adjustable	Yes, Adjustable
MIG Volt Range	14-28V (In Pulse 5-28V+)	14-30V	13-35V	13-35V	12-32V
Wire Speed Range:	60-600 IPM	60-600 IPM	55-630 IPM	55-787 IPM	50-800 IPM
Pulse Frequency Single / Double (Pulse on Pulse)*	Synergic / 0-9.9 Hz Synergic	10-250 Hz / NA	Synergic/ Synergic	Synergic/Synergic	Synergic/ NA
Pulse Time On Single / Double (Pulse on Pulse)*	Synergic /10-90% Synergic	10-90% / NA	Synergic/ Synergic	Synergic/Synergic	Synergic/ NA
Voltage Trim/Offset/ Pulse Volts/ Arc Length (all similar)	Yes,	Yes	Yes	Yes	Yes
Spot / Stitch Timer Settings	No	Yes	Yes	Yes	Yes
Burn Back Control	Yes	Yes	Yes (Pinch)	Yes	Yes
2T/4T Remote/Sequencer	Yes, with additional 4TSP	Yes	Yes	Yes/ Pinch	Yes
MIG Hot Start	Yes with 4T SP mode	No	Yes	Yes	Preset for Aluminum Only
Down Slope	Yes	5-90% EP	Yes	Yes	Crater Mode Only
Pre-Flow	Yes	Yes	Yes	Yes	Yes
Post-Flow	No	Yes	Yes	Yes	Yes
Number of Drive Rolls	4 Gear Driven	4 Gear Driven	4 Gear Driven	4 Gear Driven	2 Gear Driven
Wire Spool Size	8" - 12"	8"-12"	8"-12"	8"-12"	8"-12"
Recommended Wire Size Capability (nominal size)	.023"-.045"	.023"-.062"	.023-.045"	.023"-.045"	.023"-.045"
Stick Arc Force/Dig/ Inductance	Yes	Yes	Yes	Yes	Yes
Programmable Memory	Yes	Yes	Yes	Yes	Yes
Power Cable Length	9.5 Ft.	6.5 Ft.	Not Specified	Not Specified	10 Ft.

*This publication is based on available information on October 1, 2019. It relies on other manufacturer data and statement which are subject to change and may vary in accuracy. Prices are also subject to change .