

Robust, High Efficient, Born for Heavy Duty

Optimus MIG 353/503 XS

Optimas MIG 353/503 XP

Heavy Industrial Applications

- Construction
- Shipbuilding
- Heavy manufacturing
- Structural Steel Fabrication
- Transportation
- Tank and Vessel Fabrication
- Pressure Vessels
- Pipeline
- Energy



Optimus MIG 353/503 XS Optimas MIG 353/503 XP

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Valued Features

Fully digital synergic inverter power source

Fully digital inverter with MIG Synergic program (XS) or MIG Pulse program (XP) and stick (MMA) welding process. Managed by the high speed micro processor, it provides you with perfect arc control, improved droplet detachment and controlled ignition properties.

High Efficient and Productivity

More control for weld operators with easy, quick welding process selection and intuitive configuration of advanced parameters.

Excellent Welding Performance

Stable dip-transfer arc process, Low-spatter, Fast welding process.

Durable and rugged – Suitable for outdoor and indoor use in rough environments



TitanFeeder DFA-10 Smart Wirefeeder

Valued Features

- MIG/MMA mode selection from the feeder
- Job memories on feeder for repeatability across operators and torch remote for quick operation
- IP54-rated designed, impact resistant and flame retardant case, provides rugged durability for tough conditions. Insulated PC Boards for moisture and corrosion protection.
- 4-roller driver and optical coupler motor feedback ensures accurate and smooth wire feeding.
- Optional Flowmeter – for easy gas flow adjustment at the feeder
Adjustable Start Arc and End Arc for easy adjustment of welding arc

Specifications

Model	OptimusMIG 353 XS/XP	OptimusMIG 503 XS/XP
Input voltage(A)	3 Phases~AC 400V (±15%)/ 50-60HZ	
Main Fuse(A)	60	60
Process	MIG	MMA
Rated KVA	24.7	25.3
Rated Output KVA	19.5	20
No-load Voltage (V)	75	75
Rated output voltage(V)	16.5~39	20.8~40
Welding Range(A)	50~500	20~500
Wire feed speed(m/min)	2~24	2~24
Arc adjustment	-9 hard to +9 soft (default 0)	-9 hard to +9 soft (default 0)
Duty cycle I _{max} (40°C)	60%	60%
Duty cycle 100%(40°C)	385A	385A
Duty cycle 60%(40°C)	500A	500A
Wire diameter(mm)	0.6/0.8/0.9/1.0/1.2/1.6	0.6/0.8/0.9/1.0/1.2/1.6
Efficiency(%)	85	85
Power Factor	0.93	0.93
Protection Class	IP21S	IP21S
Insulation Class	F	F
Dimensions (L*W*H)	600*235*660	600*235*660
Weight (Kg)	65.5	65.5
Other version	Robtics	Robtics

Ordering Information

Standard fittings	Headux Code
Wire feeder unit	A91001-942
3m MX36 MIG Torch(included Spanner for MIG torches)	A13303-090
3m 70mm ² Earth lead(500A Earth clamp)	A80403-005
5m interconnection cable(Water cooled)	A80406-155
Liner 3.9 m for Aluminium wire	A13310-301

Options & Accessories

Options & Accessories	Headux Code
4M Parker ARC M5W water cooled torch	A13303-084
3m MIG 501D water cooled torch	A13303-094 亿诺
4M TIG26 Torch with gas valve	A13301-019
3m 70mm ² welding lead (500A Electrode Holder)- (TitanMig X5 Syn)	A80404-025
10m interconnection cable(Water cooled)	A80406-156
20m interconnection cable(Water cooled)	A80406-157

Optimas MIG 353X/MIG 353X Optimas MIG 503X Syn/503 X Pulse



Options & Accessories



Spool Gun



Foot Pedal