



Quick Specs

Personal User Applications

Bicycle, fitness equipment, stainless furniture
 Maintenance and repair
 Industry plant construction
 Containers manufacture
 Shipbuilding
 Pipeline industry

Process

Process: DC TIG (GTAW) /Stick (SMAW) /Gouging

Output  

Input  

Features and benefits

- 2 step /4 step
- 100% duty cycle
- HF /scratch TIG ignition
- Great performance with E6013, E7018 electrodes
- Cellulose electrode welding E6010 (Optional)
- Adjustable Arc Force and Hot Start improve the performance
- Anti- stick feature against broken arc
- Extra arc force current to ensure deep penetration
- Hot Start to ensure 100% arc ignition
- Wire/wireless remote control(optional)
- Adjustable arc force to bring great performance for all position welding
- Multi protections (over heat/ over voltage/ over current)
- VRD feature(optional)
- Suitable for long distance welding (100m)
- Shoe device with extra gas protection to ensure high quality welding (optional)
- Possibility to work with long distance torches up to 40m



Standard equipments

- 1 Power source
- 1 Connected primary cable L=3m
- 1 Ground cable L=3m



Product model	Input Power Voltage/Phase/Hertz	Rated Output Current /Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Dimension LxWxH (mm /inch)	Weight (kg /lb)
TIG630	Three phase 380V±20% 50/60Hz	630A/35.2V/100% TIG 630A/44V/100% SMAW	52A	50-630A DC Max.OCV:93	686×322×584 27×12.6×22.9	58/128.1



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Pictures	Item	Model	NO.
	Circuit breaker	DZ158-125-D80/3P	745011-00026
	Fan	NBC-630 II.2-4 250FZY8-D	746001-00027
	Diode protection board	ZX7-400 III.5.3.0	220455-00002
	Fast recovery diode	MMF300Y060DK1	735006-00029
	Polypropylene Capacitor	MFD-DA01-1400V-20μF	722001-00070
	Current exchange inductor	ZX7-630 III.5.1.0	220281-00012
	Polypropylene Capacitor	MFD-DA01-500V-6μF	722001-00075
	Main control board	ZX7-400 III.6.0	210580-00156
	Power transformer	ZX7-400 III.3.4-1	763001-00043
	Drive board	NBC-500 II.7.0	210310-00032
	Three phase rectifier module	MDS100-12(Big)	735005-00003
	IGBT Module	SKM150GB12T4G	735007-00073
	Stray transformer	ZX7-400 III.3.8-1	763003-00018
	Striking arc board	ZX7-400 III.3.8	220575-00004
	Isolation transformer	ZX7-400 III.4-3	763003-00023



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