

TIG DC Thyristor KAX 402



Main Applications

- Steel fabrication
- Metal tanks
- Shipyards
- Sheet metal

Advantageous

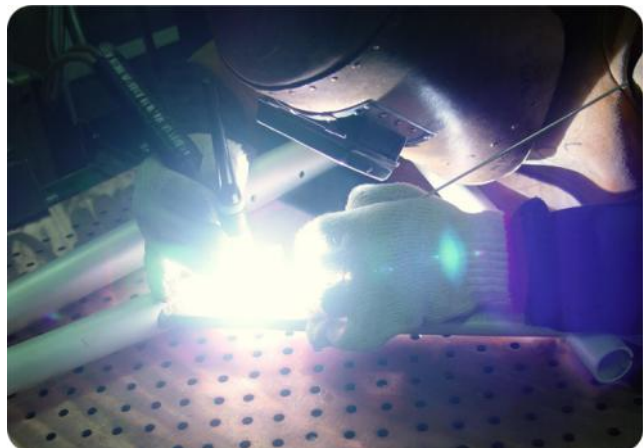
- KAX 402 is a three phase power source with Thyristor control, suitable for MMA, TIG welding and Air Carbon Arc Gouging processes in direct current for superb welding operations
- Welding current is adjusted by electrical control to assure excellent stable arc for high quality welds
- The forced air cooling system and thermal overload protection strengthen the quality and the robustness of the machine
- HF / Lift Start is designed to initialize the arc in TIG welding process
- Built for versatile and efficiency to meet the requirement of today's medium and heavy industries applications
- Adjustable Hot Start and Arc Force functions for MMA reduce spatter
- Anti Stick Function

TIG HF	
Tungsten range	1.0 - 4.0 mm
Material thickness	1 - 15 mm

MMA	
Electrode range	1.6 - 8.0 mm
Material thickness	1 - 20 mm

Specifications	
Welding range	15 - 420 A
Open circuit voltage	80 V
Current at 60 % (40°C)	420 A
Input power at 60 %	32.3 KVA
Input phase	3 Phase
Main voltage, Tolerance	380 V, ± 10 %
Power factor	0.72
Index protection	IP 23
Insulation class	H
Cooling	F
Dimensions (L x W x H)	680 x 515 x 670 mm
Weight	162 Kg

Item Code	Item Name	MoQ
101.08.002.1	KAX 402 - TIG Air Cooled Package	1 Set
101.08.002.2	KAX 402 - TIG Water Cooled Package	1 Set



Item Code	Item Name	MoQ		
Standard Accessories				
101.08.002	TIG DC Thyristor - KAX 402	1 Unit	•	•
201.11.010	Plug to Ground Clamp 600 A, 50 mm ² at 3 m - KA Series	1 Set	•	•
201.26.005	Kit - KAX 402	1 Set	•	•
208.12.001	Regulator Gas Hose - Blue at 1.5 m	1 Set	•	•
201.23.001	Argon Gas Regulator	1 Pcs	•	•
101.12.001.1	D 250 - Water Cooler Machine Package	1 Set		•
208.11.001	Water Cooled Hose Package - Blue & Red at 1 m	1 Set		•

Standard Alternative

203.16.007	Tig Torch - SINTIG 17 at 4 m	1 Set	•	
203.16.009	Tig Torch - SINTIG 17 at 8 m	1 Set	•	
203.16.010	Tig Torch - SINTIG 26 at 4 m	1 Set	•	
203.16.012	Tig Torch - SINTIG 26 at 8 m	1 Set	•	
203.16.015	Tig Torch - SINTIG 9 at 4 m	1 Set	•	
203.16.017	Tig Torch - Water Cooled - SINTIG 20 at 4 m	1 Set		•
203.16.013	Tig Torch - Water Cooled - SINTIG 18 at 4 m	1 Set		•
203.16.014	Tig Torch - Water Cooled - SINTIG 18 at 8 m	1 Set		•
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs	•	•

Optional Accessories for SMAW / MMA

208.03.005	Plug to Electrode Holder 400 A, 50 mm ² at 5 m	1 Set	•	•
208.03.006	Plug to Electrode Holder 400 A, 50 mm ² at 10 m	1 Set	•	•
208.03.007	Plug to Electrode Holder 400 A, 50 mm ² at 20 m	1 Set	•	•
208.03.008	Plug to Electrode Holder 400 A, 50 mm ² at 25 m	1 Set	•	•
208.04.007	Plug to Ground Clamp 600 A, 50 mm ² at 5 m	1 Set	•	•
208.04.008	Plug to Ground Clamp 600 A, 50 mm ² at 10 m	1 Set	•	•

Optional Accessories for Gouging

201.27.003	Gouging Torch G4 - 1000 A - 2.1 m / 7 feet	1 Set	•	•
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General Accessories

137.01.001	Tungsten Grinder - 240V-50/60HZ - Neutrix	1 Unit	•	•
208.18.001	Torch Holder - TIG	1 Pcs	•	•



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6