

#### **SALIENT FEATURES FOR KS 400**

- ❑ Superior welding quality.
- ❑ Output current is constant even though the arc length varies.
- ❑ Constant O/P current even though the supply voltage varies within the range of +/- 2 %.
- ❑ High open circuit voltage (OCV) for good arc striking and for good quality welding for low hydrogen electrodes.
- ❑ FOD (fan on demand) system that is fan starts only after machine reaches certain temperature (above ambient).
- ❑ No load power consumption is very low (<0.1 KVA).
- ❑ Stepless setting for welding current.
- ❑ Local or remote current setting.
- ❑ Actual welding current can be seen on front panel digital display.
- ❑ High temperature protection.
- ❑ Under/Over voltage protection.
- ❑ Phase sequence protection.
- ❑ Single phasing protection.
- ❑ Logic fail protection (ensures IGBT safety).
- ❑ High efficiency more than 90 %.
- ❑ Size and weight ensures easy movement.
- ❑ Good layout for easy servicing.

#### **Additional features for KS 400 MMA/MIG**

- ❑ Stepless setting for welding current in MMA mode.
- ❑ Stepless setting for welding voltage in MIG mode.
- ❑ Local or remote current setting in MMA mode.
- ❑ Local or remote voltage setting in MIG mode.
- ❑ Actual welding current & voltage can be seen on front panel digital display.
- ❑ Pulsing facility for high quality weld (MIG).
- ❑ 2T/4T selectivity (MIG).

#### **ELECTRO-PLASMA EQUIPMENTS PVT. LTD.**

104, Acme Industrial Park, Off. I.B. Patel Road,  
W.E. Highway, Goregaon(East),  
MUMBAI - 400 063.  
INDIA.

Tel.: 91 22 26862843 / 26862893.

FAX: 91 22 28741485.

Email: [epepl@vsnl.net](mailto:epepl@vsnl.net) / [sales@airplasma.com](mailto:sales@airplasma.com)

[www.airplasma.com](http://www.airplasma.com)

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**THE LEADER IN INVERTER WELDING**

MODEL	KLEIN SCHWEISSER 150	KLEIN SCHWEISSER 150 TIG
Input Supply	220 Volts A/C, 1 Phase, 50 Hz.	220 Volts A/C, 1 Phase, 50 Hz.
Operating Supply Voltage Range	190 Volts A/C to 250 Volts A/C	190 Volts A/C to 250 Volts A/C
Input Power		
At 70% Duty Cycle	3.9 KVA	3.9 KVA (MMA), 3.1 KVA (Tig)
At 100% Duty Cycle	3.4 KVA	3.4 KVA (MMA), 2.3 KVA (Tig)
Current Range	7Amps to 150 Amps	7Amps to 150 Amps
Open Circuit Voltage		
At 190 Volts I/P	58 Volts DC	58 Volts DC
At 220 Volts I/P	66 Volts DC	66 Volts DC
At 250 Volts I/P	75 Volts DC	75 Volts DC
Class <b>II</b>		
Cooling	Forced Air Cooled With FOD System	Forced Air Cooled With FOD System
Hand Welding Current		
At 70% Duty Cycle	150 Amps. DC (MMA)	150 Amps. DC (Tig)
At 100% Duty Cycle	120 Amps. DC (MMA)	120 Amps. DC (Tig)
Dimensions (L. W. H.)	545mm. 210mm. 385mm.	545mm. 210mm.385mm.
Weight	20 Kg.	28 Kg.

Micro Tig, Pulse Tig, Electronic HF & water circulation systems are also available.

MODEL	KLEIN SCHWEISSER 400 MMA/MIG/MAG	KLEIN SCHWEISSER 400 MIG/MAG
Input Supply	415 Volts A/C, 3 Phase, 50 Hz.	415 Volts A/C, 3 Phase, 50 Hz.
Operating Supply Voltage Range	370 Volts A/C to 460 Volts A/C	370 Volts A/C to 460 Volts A/C
Current Range, MMA	7 Amps. DC to 400 Amps. DC.	-
Current Range, Mig	50 Amps. DC to 400 Amps. DC	50 Amps. DC to 400 Amps. DC
Voltage Range, Mig	15 Volts DC to 36 Volts DC	15 Volts DC to 36 Volts DC
Open Circuit Voltage		
At 370 Volts I/P	72 Volts DC	72 Volts DC
At 415 Volts I/P	80 Volts DC	80 Volts DC
At 460 Volts I/P	90 Volts DC	90 Volts DC
Class of Insulation		
Cooling	Forced Air Cooled With FOD System	Forced Air Cooled With FOD System
Hand Welding Current		
At 70% Duty Cycle	400 Amps. DC	400 Amps. DC
At 100% Duty Cycle	320 Amps. DC	320 Amps. DC
Dimensions (L. W. H.)	860mm. 410mm. 880mm.	860mm. 410mm. 880mm.
Weight	145 Kg.	145 Kg.
Input Power, MMA		
At 70% Duty Cycle	10.5 KVA	-
At 100% Duty Cycle	6.9 KVA	-



KS 150



KS 150 TIG

MODEL	KLEIN SCHWEISSER 300	KLEIN SCHWEISSER 400
Input Supply	415 Volts A/C 3 Phase, 50 Hz.	415 Volts A/C 3 Phase, 50 Hz.
Operating Supply Voltage Range	370 Volts A/C to 460 Volts A/C	370 Volts A/C to 460 Volts A/C
Input Power		
At 70% Duty Cycle	8 KVA	10.5 KVA
At 100% Duty Cycle	6 KVA	8 KVA
Current Range	7Amps to 300 Amps	7 Amps to 400 Amps
Open Circuit Voltage		
At 370 Volts I/P	72 Volts DC	72 Volts DC
At 415 Volts I/P	80 Volts DC	80 Volts DC
At 460 Volts I/P	90 Volts DC	90 Volts DC.
Class <b>II</b>		
Cooling	Forced Air Cooled With FOD System	Forced Air Cooled With FOD System
Hand Welding Current		
At 70% Duty Cycle	300 Amps DC (MMA)	400 Amps DC (MMA)
At 100% Duty Cycle	220 Amps DC (MMA)	320 Amps DC (MMA)
Dimensions (L. W. H.)	780mm. 410mm. 570mm.	785mm. 360mm. 685mm.
Weight	60 Kg.	95 Kg.



KS 400 MMA / MIG



KS 400

WIRE FEEDER	
Motor	Permanent Magnet Type Print Motor (Optional)
Operation Principle	2 - Roll Driven 4 - Roll Driven (Optional)
Wire Reel Max. Weight	12.5 Kg.
Wire Reel Max. Size	270mm Dia.
Filler Wires	0.8mm Dia to 1.6mm Dia.
Dimensions (L. W. H.)	435mm, 205mm, 340mm
Weight	13.5 Kg.

The above information is to the best of our knowledge & we do not hold any responsibility to the actual usage.

**KLEIN**  
SCHWEISSER