

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

- ❑ 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.
- ❑ 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.
- ❑ 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 i 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.**

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ELECTRO-PLASMA EQUIPMENTS PVT. LTD.

**THE LEADER IN INVERTER WELDING**

# KLEIN SCHWEISSER



KS 400 i MMA / MIG

MODEL	KLEIN SCHWEISSER 160 i	KLEIN SCHWEISSER 160 i TIG	KLEIN SCHWEISSER 220 i	KLEIN SCHWEISSER 220 i TIG
Input Supply	220 Volts A/C, 1 Phase, 50 Hz.	220 Volts A/C, 1 Phase, 50 Hz.	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	190 Volts A/C to 250 Volts A/C	190 Volts A/C to 250 Volts A/C
Input Power				
At 70% Duty Cycle	3.8 KVA	3.8 KVA	6 KVA	6 KVA
At 100% Duty Cycle	2.3 KVA	2.3 KVA	3.8 KVA	3.8 KVA
Arc ignition	N.A.	Built in electronic high frequency	N.A.	Built in electronic high frequency
Current Range	7Amps to 160 Amps	7Amps to 160 Amps	7Amps to 220 Amps	7 Amps to 220 Amps
Open Circuit Voltage				
At 190 Volts I/P	58 Volts DC	58 Volts DC	58 Volts DC	58 Volts DC
At 220 Volts I/P	66 Volts DC	66 Volts DC	66 Volts DC	66 Volts DC
At 250 Volts I/P	75 Volts DC	75 Volts DC	75 Volts DC	75 Volts DC
Class of Insulation	'H' Class	'H' Class	'H' Class	'H' Class
Cooling	Forced Air Cooled	Forced Air Cooled	Forced Air Cooled	Forced Air Cooled
Hand Welding Current				
At 70% Duty Cycle	160 Amps. DC (MMA)	160 Amps. DC (Tig)	220 Amps DC (MMA)	220 Amps DC (TIG)
At 100% Duty Cycle	120 Amps. DC (MMA)	120 Amps. DC (Tig)	170 Amps DC (MMA)	170 Amps DC (TIG)
Dimensions (L. W. H.)	490mm. 180mm. 240mm.	630mm. 180mm. 310mm.	540mm. 185mm. 230mm.	630mm. 185mm. 340mm.
Weight	13 Kg.	22 Kg.	16 Kg.	23 Kg.

MODEL	KLEIN SCHWEISSER 400 i MMA/MIG/MAG	KLEIN SCHWEISSER 400 i 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	'H' Class	'H' Class
Cooling	Forced Air Cooled	Forced Air Cooled
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.)	760mm. 320mm. 680mm.	760mm. 320mm. 680mm.
Weight	80 Kg.	80 Kg.
Input Power, MMA	-	-
At 70% Duty Cycle	10.5 KVA	-
At 100% Duty Cycle	6.9 KVA	-

WIRE FEEDER	
Motor	Print Motor
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.

MODEL	KLEIN SCHWEISSER 400 i	KLEIN SCHWEISSER 400 i (TIG)
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	10.5 KVA	10.5 KVA
At 100% Duty Cycle	7.5 KVA	7.5 KVA
Arc ignition	N.A.	Built in electronic high frequency
Current Range	7 Amps to 400 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 of Insulation	'H' Class	'H' Class
Cooling	Forced Air Cooled	Forced Air Cooled
Hand Welding Current		
At 70% Duty Cycle	400 Amps DC (MMA)	400 Amps DC (TIG)
At 100% Duty Cycle	300 Amps DC (MMA)	300 Amps DC (TIG)
Dimensions (L. W. H.)	740mm. 310mm. 470mm.	740mm. 310mm. 670mm.
Weight	55 Kg.	65 Kg.



KS 160 i



KS 160 i TIG



KS 400 i

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

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



ARC



MIG



TIG