

SUPERGEN 320

Performance Proven Motor Generator Welding Set
Choose from the finest for superior weld quality and efficiency



- The set consists of three-phase motor as prime mover and DC welding generator of a special patented design
- Excellent high quality welding with big savings in power bills
- Positive protection against overload and single phasing
- Mobile and mounted on rubber-tyred wheels
- Ideal for welding with cellulosic electrodes for cross country pipelines and thermal/nuclear power plants.



WELDERS TO THE NATION SINCE 1951
ADOR WELDING LIMITED

(Formerly Known as Advani-Oerlikon Ltd.)
www.adorwelding.com



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Quantum leap in welding production
Feature-wise comparison

Features you want	Brand X	Our new technology breakthrough
• Welding with 100 mtr cable length without any current drop	Current drops	✓ Constant current even with longer cable length
• Low no load power consumption	3.2 KW	✓ 1.1 KW - less than half power consumption and energy cost
• Low power consumption at 320 Amp.welding current	22.23 KW	✓ 15.5 KW Reduction by 30% in energy bill Saving upto Rs. 46,000 in a year
• Low maintenance cost	Periodic wear'n tear of brushes	✓ 'Brushless' technology eliminates frequent Maintenance and down time costs
• Freedom from stator failures	No protection	✓ Built-in protection against single phasing, over voltage and under voltage
• Insulation class	"B"	✓ "F"- provides longer service life - more reliable
• Suitable for welding in open/dusty sites	S.P.D.P.* Open type design - sucks in dirt and dust	✓ Totally enclosed preventing entry of dirt and dust inside winding - ideal for site conditions
• Ease of mobility	330 kgs in weight	✓ Only 265 kgs in weight i.e.25% lighter-easier to move about
• Availability of Spares & service	Spares subject to imports-Limited service network	✓ Easy availability of spares Large network of authorised service centres.

* Screen protected drip proof

TECHNICAL SPECIFICATIONS

MODEL			
INPUT		UNIT	SUPERGEN 320
Voltage		Volt	415
Phase		No.	3
Frequency		Hz	50
Power		Kw /HP	15.5/20.78
Speed (Synchronous)		rpm	3000
Starting		-	Star / Delta starter
Recommended switch fuse rating		-	TP40
Protection to Machine		-	Machine provided with built in Single Phasing, Under voltage (340V), Over voltage (480 V) and thermal protection
OUTPUT			
Open Circuit Voltage		Volts	100
Welding Current Range		Amps	35-320
Welding Current : @ 60% duty cycle		Amps	320
@ 100% duty cycle		Amps	250
Welding Electrode Range		mm	2.5 - 6.3
GENERAL			
Insulation		Class	H
Cooling		Type	Fan Cooled
Enclosure		Type	Totally enclosed
Protection		Class	IP44 (excluding Fan side)
Dimensions L X W X H		mm	1065 x 540 x 840
Weight (approx)		Kgs.	265
ORDERING INFORMATION			PRODUCT CODE
Standard Power Source - MMA outfit			F.10.31.001.0005
OPTIONAL ACCESSORIES			
Welding Accessories- WAC 400			S10.64.001.0014
Ammeter/Voltmeter Box - DPAV 400			S10.64.001.0051

- **Warranty:** One year from the date of purchase. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/Area Offices / Authorised Distributors are free from defects in materials and workmanship and will perform in full accordance with applicable specifications.
- In view of continuous development, ADOR WELDING LIMITED reserves the right to modify/change the design and /or the specifications without any prior notice.
- Backed by dedicated customer care package.



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