

SILENT CHALLENGER 401

New Generation Diesel Engine Driven Silent Welding Set
Conforming to Latest CPCB II Norms



- Conforming to latest CPCB norms for noise & exhaust emission level
- Versatile applications, including cross country, inplant pipe and tube welding.
- Ideal for heavy fabrication & site applications
- Highly reliable even in hostile site conditions
- Big savings in fuel and longer runs before next refueling
- Specially proven with Cellulosic (6010, 7010 G & 8010G types) and other special types of electrodes.
- Excellent Pre and Post Sales Services.
- Super Silent Operations



WELDERS TO THE NATION SINCE 1951
ADOR WELDING LIMITED

(Formerly Known as Advani-Oerlikon Ltd.)

www.adorwelding.com



SILENT CHALLENGER 401

Built for extra Reliability and Fuel Savings



TECHNICAL SPECIFICATIONS

MODEL	UNIT	SC 401	
CPCB compliance		Meets CPCB - II compliance for Exhaust Emission and Noise within 75 dba at 1 mtr	
WELDING GENERATOR			
Welding Generator	Type	Brushless type, high frequency generator, specially designd for welding applications, constant current (CC) characteristic with winding less, commutator less, magnet less, slipring less and rotating diode less rotor construction for maintenance free and reliable opertaion	
Welding process	Type	SMAW (Shielded Metal Arc Welding)	
Operators	Nos.	Single	
Welding current range	Amps	50 - 400	
Max. hand welding current	Amps	400	
Max. hand welding current @ 60% duty cycle	Amps	400	
Max. hand welding current @ 100 % duty cycle	Amps	310	
Open circuit voltage (Max. / Min)	Volts	100 / 45	
Diameter of coated electrode	mm	2.5 - 6.3	
Insulation Class	Type	H	
ENGINE			
Make		SIMPSON	
Type		SJ 327T (CPCB - II compliant)	
Cylinder	Nos	3	
Rated engine speed	RPM	1800	
Engine cooling	Type	Water cooled	
Engine rating	BHP	38.5 @ 1800 rpm	
Conforms to	Standard	IS 10002 (BI)	
Starting	Type	Electric (Battery 12 V, 75 AH)	
Fuel consumption @ 60% duty cycle	Ltr/hr	4.0 ltrs/hr @ 100% Duty Cycle	
Fuel tank capacity	Ltrs	70	
Meters/Gauges/Indications	Type / details	Lube oil pressure, Fuel level indication, Battery charging current, Charging failure warning lamp, Engine Speed, Hour meter, etc	
Optional Engine safety protections	Type	Engine auto shut off in the event of low lube oil pressure (or) high cylinder head temperature	
AUXILIARY POWER SOURCE (indicates rating with simultaneous welding load)			
Rating	KVA	10	3
Voltage	Volts	415	240
Phases	Nos	3	1
MCCB rating	Amps	16	
Output Sockets	Nos	2	
GENERAL (Dimensions & Weight)			
LxWxH (Skid mounted)	mm	2000x820x1460	
Weight(net)	Kg	1100	
LxWxH (2 wheel mounted)	mm	2900x1455x1990	
Weight(net)	Kg	1240	
LxWxH (4 wheel mounted)	mm	2900x1555x1990	
Weight (net)	Kg	1340	

- **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
- **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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