



SILENT CHALLENGER 2 X 301



The new generation diesel engine driven silent welding set conforming to latest CPCB II norms



SALIENT FEATURES

- Conforms to latest CPCB norms for noise and exhaust emission level.
- Versatile applications, including cross country, in-plant 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.
- Super Silent Operations

SPECIFICATIONS

Technical Specifications	Unit	Values	
Welding Generator	Type	Double Operator Manual (CC)	Single Operator Manual (CC)
Welding Current Range	Amps, DC	15x300 A	30-600 Amps
Max. Hand Welding Current @ 40% DC	Amps, DC	2x300 A @29V	600 Amps @30V
Max. Hand Welding Current @ 60% DC	Amps, DC	2x250 A @26.5V	500 Amps @30V
Max. Hand Welding Current @ 100% DC	Amps, DC	2x200 A @24V	400 Amps@36V
Open Circuit Voltage (Max)	Volts, DC	92 VDC	92 VDC
Generally Conforms To	IS	2635	
Insulation	Type	H	
Engine Make, Type		SIMPSON, SJ327T CPCB-II Compliant	
Cylinder	Nos.	3	
Engine Colling	Type	Water Cooled	
Engine Rating	BHP	38.5 BHP @ 1800 RPM	
Speed	RPM	1800	
Conforms to	IS	10002/82	
Starting (12V)	Type	Electric	
Fuel Consumption	Ltrs./Hrs.	4	
Fuel tank Capacity	Ltrs.	75	
Meters/Gauges/Indications	Type/Detail	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	

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Cont.

Auxiliary Power Source (Built In)			
Mode		Weld Load together with Auxiliary Load	Auxiliary Mode without Weld Load
KVA Rating: 415 V, 3 Phase) / 230 V, Single Phase	KVA	8/3	10 & 8 KVA From Each Socket Respectively (18 KVA Total) / 3 KVA From Each Socket Respectively (6 KVA Total)
MCCB Rating	Amps	10/12.5	27/25
Dimensions, Rate & Mounting Details			
Skid Mounted			
Length/Width/Height	mm		1995 x 820 x 1520
Weight (Net)	Kgs		1008
Two Wheel Mounted			
Length/Width/Height	mm		2905 x 1455 x 2100
Weight (Net)	Kgs		1150
Four Wheel Mounted			
Length/Width/Height	mm		3435 x 1555 x 2100
Weight (Net)	Kgs		1250

- **Warranty:** One year from the date of commissioning. 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.