

# SILENT CHALLENGER SERIES

## SC 301 / SC 401 / SC 501 / SC MULTI 2x301

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##### APPLICATIONS

- Recommended for all versatile welding applications at project sites like, construction of refineries, power plants, cement plants, constructions sites, Inplant pipeline welding, city gas pipeline, cross country pipeline welding, pipeline welding from jetty to storage tanks for oil, petroleum and gas etc
- ED sets SC 301 / SC 401 / SC 501 are specially recommended for Manual (SMAW) welding applications from medium to heavy duty site fabrication welding, maintenance welding with all types of electrodes and city gas pipeline and cross country pipeline welding with 6010, 7010G, 8010G electrodes
- Double Operator ED set, model SC Multi 2x301, specially recommended for Manual (SMAW) welding for heavy duty site fabrication with all types of electrodes and city gas pipeline, cross country pipeline welding with cellulose 6010, 7010G, 8010G electrodes as well as Semiautomatic welding (FCAW) of cross country pipeline welding applications, and places where more numbers of ED sets can not be accommodated and more numbers of welders are required to be deployed with minimum numbers of ED sets

##### SALIENT FEATURES

- New generation, High frequency Brushless welding generators -resulting Efficient and Excellent welding performance at project sites
- Totally maintenance free welding generators with windingless, commutatorless, slipringless, magnetless ROTOR construction - Ideal for site duty and cross country pipeline welding applications
- Direct monobloc closed coupled engine-generator sets with single bearing generator coupled to the engine by noncorrosive metallic flexible coupling plates and the antivibration mounting with protective cups to protect them against dust and dirt - less maintenance headache
- Highly reliable even in hostile site conditions
- Minimum numbers of spare parts required at project sites compared to the conventional ED sets
- Most compact, CPCB compliant ED set, with super silent acoustic canopy
- Higher open circuit voltage for easy arc striking
- Provided with suitable auxilliary power source unit to deliver adequate capacity of single phase and three phase power for auxilliary uses like grinding, drilling, floodlighting etc
- Provided with remote control unit to enable welder to adjust/set the welding parameters from the welding point, while welding is in progress



##### BRIEF SPECIFICATIONS:

MODELS	UNIT	SILENT CHALLENGER 301	SILENT CHALLENGER 401	SILENT CHALLENGER 501	SILENT CHALLENGER MULTI 2X301	
Nos of operators at a time	No	1	1	1	2 cc/cv	1
Characteristic	Type	CC	CC	CC	CC/CV	CC
Open circuit voltage (Max / Min)	Volt	100/45	100/45	100/45	92	
Welding current range	Amp	40-300	50-400	50-500	15-300 each operator	30-600
Welding current @ 60% Duty cycle	Amp	300	400	500	300 @40%	600 @40%
Welding current @ 100% Duty cycle	Amp	230	310	400	200 each operator	400
Class of insulation	Class	H	H	H	H	
Type of cooling	Type	Forced Air	Forced Air	Forced Air	Forced Air	Forced Air
Engine Type	Type	S217	S433	S433	S433	
Rated Speed	rpm	1800	1800	1800	1800	
Aux. power source			10KVA, 3 PH, 415V /	3.5KVA, 1PH, 230V	18KVA, 3PH, 415V / 6KVA, 1PH, 240V	
Dimensions (LxWxH) - Skid mounted	mm	2000X820X1375	2500x820x1460	2500x820x1460	2500x820x1460	
Dimensions (LxWxH) - 2 Wheel mounted	mm	2910X1455X1908	3410X1455X1990	3410X1455X1990	3410X1455X1990	
Dimensions (LxWxH) - 4 Wheel mounted	mm	2910X1555X1908	3900x1455x1990	3900x1455x1990	3900x1455x1990	
Weight (Skid mounted)	Kg	960	1130	1145	1160	
Weight (2 Wheel mounted)	Kg	1100	1270	1285	1300	
Weight (4 Wheel mounted)	Kg	1200	1370	1385	1400	
Optional Wire feeder for FCAW welding	Model	NA	NA	NA	WF 40 Multi	NA
Optional Torch for FCAW welding (3/4.5 mtrs.)	Model	NA	NA	NA	Super SSPW 350	NA



WELDERS TO THE NATION SINCE 1951

# ADOR WELDING LIMITED

(Formerly Known as Advani-Oerlikon Ltd.)

www.adorwelding.com

