

CHAMP 163 / CHAMP 253

The new world class inverter based DC welders



CHAMP 163

CHAMP 253

- Single / Three phase inverter based, High efficiency and High Power Factor DC Welders
- High frequency IGBT based PWM Inverter
- Arc force adjustment on panel.
- TIG Welding possible with Lift Arc technique
- Light weight, compact and portable for easy handling



WELDERS TO THE NATION
ADOR WELDING LIMITED

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



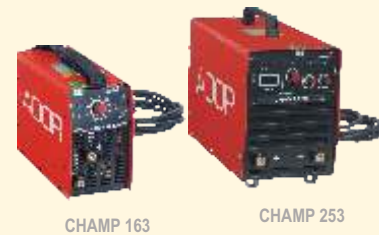
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SALIENT FEATURES

- Latest PWM inverter technology
- IGBT based
- High efficiency (>82%)
- Smooth and stable arc with minimum spatter
- Hot start feature available as a standard
- Adjustable Arc force control for Champ 253



CHAMP 163

CHAMP 253

SPECIFICATIONS

TECHNICAL SPECIFICATIONS	UNIT	CHAMP 163	CHAMP 253
INPUT			
Input Supply:			
Voltage	Volts.	230 , +15%, -15%	415 , +10%, -15%
Phase	No.	1	3
Frequency	Hz	50/60	50/60
Max. Input KVA			
@ 100% duty cycle	KVA	4	9
@ 60% duty cycle	KVA	5	12
@ 40% duty cycle	KVA	-	-
@ 25% duty cycle	KVA	7	-
@ No Load	KVA	0.12	0.20
OUTPUT			
Open Circuit Voltage	Volts	60	72
Welding Current Range	Amps	5-160	20-250
Welding Current			
@ 25% duty cycle(10 minute cycle)	Amps	160	-
@ 40% duty cycle	Amps	145	250
@ 60% duty cycle	Amps	110	210
@ 100% duty cycle	Amps	90	170
GENERAL			
Suitable Welding Electrode size	mm Ø	2.5, 3.2 and 4	2.5, 3.2 , 4 and 5
Arc force setting	-	-	Adjustable Pot (0 – 10)
Hot Start setting	-	-	Adjustable Pot (0 – 10)
Arc length setting	-	-	-
Current / Voltage Display	-	-	7 – Segment LED Display
Protections against failure	Types	Intelligent protection provided against, over voltage, under voltage, overload and overheat.	
Ingress Protection	Class	IP21	IP23
Cooling	Type	Forced Air	Forced Air
Insulation	Class	F	F
Welding Output Terminals	Type	Cam Lock connections	Cam Lock connections
Dimensions			
Length	mm	350	490
Width	mm	170	230
Height	mm	245	370
Weight (approx.)	Kg	7.5	18
ORDERING INFORMATION		PRODUCT CODE	PRODUCT CODE
MMA Outfit	-	F10.34.501.0009	F10.34.501.0008

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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