## Technical Specification - 3 PHASE 315 AMP INVERTER BASED GAS TUNGSTEN ARC WELDING MACHINE - AC/DC - 01 no.

TECHNICAL FEATURES	DIMENSIONS/SPECIFICATION	COMPLIANCE (YES/NO)
Rated input voltage	400 VAC	The second second second
Phase	3 Phase	
Frequency	50/60 Hz	Thore .
Compatable Power Generator	15 kW	Liava optiens in to add
Rated current range	15 - 315 Amps	openov iruano nao
Rated output voltage	10.6 - 22.6 V (GTAW)	esign design
under soltage	Singeri	astronomination usu
Welding current at 40°C @ 60% duty cycle	315 Amp	ver voltage and under
Welding current at 40°C @ 100% duty cycle	250 Amp	eboM 1900h
Conformation to International Standards	Machines are manufactured as Standard - IEC60974-1/3/10 A	
Power control method	Inverter controlled dual IGBT blocks	1070 OA
Hot start and arc force	Adjustable from front panel	200114 1991
Ingress Protection	IP 23 HOURO	introd latertocal
Power Factor	>0.9	dens F. D.
Cooling type	Forced cooling	Categorian Unite Cel
Operating temperature	-10°C to 50°C	and Contemp
Pulse Frequecny - (DC TIG Pulse)	0.1 - 20 Hz	Valley
Pulse Frequecny - (AC TIG)	0.1 - 20 Hz	
Pre Flow Gas	0 - 10 sec	<u>. (616 2 16 6 2 16 1</u>
Starting Current	5 - 315 Amps 263 01	APROMIZELOVESZO STEELBRUSH KUT-
Upslope Time	0 - 10 sec	DI A WATER COOLED
Downslope Time	0 - 10 sec	ACTED AND AND AND AND AND AND AND AND AND AN
Final Current	5 - 315 Amps	

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		ohraical Specific
AC Wave Forms	Square Wave, Triangular Wave, Sine Wave & Trapezoid	NOSTEN ARC
AC Frequency	20 - 200 Hz	TECHNICACI
Background Current	5 - 245 Amps % ON Time 10 - 90%	ed input voltage
Weight	30 Kg	
Type of insulation level	Class H	quency ()
Open circuit voltage	75 V	mpatable Power Gene
	30mA 876- 85	egner manus bai
Design	Main PCB should be protected from ingression of	
dust/splash/mechanical impact	Over voltage and under voltage	SERIEV SUGAD bei
Digital Display LED dsiplay Over voltage and under voltage protection	protection available to protect the machine from large variation in input voltage	elding current at A0°C
Trigger Mode	2T, 4T	o, ne manho Guipie
ae bus tosteru		meint of noiscrimotor
ARC Start	HF Start & Lift Start	bontent lonnoo fewo
GTAW Modes	DC Standard, DC Pulse, AC Standard, AC Pulse	
Robot Interface	Can be Integrated with Robot with Optional Add-on Modules	gress Protection
TIG Torch	350 Amps Water Cooled 4 mtr LONG	n & wheel trailey
Water Cooling Unit - Cooling Power	4 kW	
Fank Capacity		eeva golloo
	9 Litre	eturenenmei gruteren
Frolley	Power Source & Cooler to be assembled on 4 wheel trolley	uise Frequeony - (DC)
Narranty	Minimum 2 year	AD - requebry - (AC
ACCESSORIES REQUIRED	YES	
PRON / GLOVES / CHIPPING HAMMER	0 - 10 sec	
STEEL BRUSH KIT – 10 Set	5-315 Atros	
400 A WATER COOLED TIG TORCH 4 METER with ON/OFF SWITCH in BOX OF ACCESSORIES	9 - 10 sec	
	5-315 Amps	
ARTH CLAMP WITH CABLE, 70 SQMM,	a second second and the second s	

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4 METER	
ELECTRODE HOLDER WITH CABLE, 50 Square mm, 4 MTERE.	
DOUBLE STAGE DOUBLE GUAGE ARGON REGULATOR WITH FLOWMETER	
ARGON CYLINDER DULY FILLED WITH ARGON GAS, 7M <sup>3</sup>	
70S2 MS TIG FILLER ROD, 2.5 X 1000 mm, PACK OG 5 KG	
4043 AL TIG GILLER ROD, 2.4 X 1000 MM, PACK OF 5 KG	
308L SS TIG FILLER ROD, 2.5 X 1000 mm, Pack of 5 Kg	

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