

WELDING INVERTERS

Premier[®]



| TRUE ARC WELDING SERIES



ATOM



B II STORM



TRUE ARC 200A

MODEL	ATOM	B II STORM	True Arc 200A
Input Voltage	"AC220V+15%		AC220V+15%
1PH"	"AC220V+15%		
1PH"	"AC380V+15%		
3PH"			
Rated input power capacity(KVA)	3.8	5.3	6.2
Input voltage frequency(HZ)	50/60	50/60	50/60
Rated input current(A)	17.1	24.2	28.2
No-load voltage(V)	60	55	66
Output current range(A)	30-120	30-160	30-180A
Arc force			
Rated output volatage(V)	24.8	26.4	27.2
Duty cycle(%)	60	60	60
Insulation class	F	F	F
Protection class	IP21S	IP21S	IP21S
Diameter of rod	1.6-3.2	1.6-4.0	1.6-4.0
Power factor	0.93	0.93	0.93
Efficiency (%)	85	85	85
Weight(Kg)	2	4.5	4.6
Diamention(mm)	210x90x116	283x133x198	283x133x198

| TRUE ARC WELDING SERIES



TRUE ARC 230A



TRUE ARC 400A



TRUE ARC 400D

MODEL	True Arc 230A	True Arc 400A	True Arc 400D
Input Voltage	"AC220V+15%		
1PH"	"AC220V+15%		
1PH"	"AC380V+15%		
3PH"			
Rated input power capacity(KVA)	3.8	5.3	18.2
Input voltage frequency(HZ)	50/60	50/60	50/60
Rated input current(A)	17.1	24.2	27.6
No-load voltage(V)	60	55	67
Output current range(A)	30-120	30-160	30-400
Arc force			0-100
Rated output volatage(V)	24.8	26.4	36
Duty cycle(%)	60	60	60
Insulation class	F	F	F
Protection class	IP21S	IP21S	IP21S
Diameter of rod	1.6-3.2	1.6-4.0	2.5-5.0
Power factor	0.93	0.93	0.93
Efficiency (%)	85	85	85
Weight(Kg)	2	4.5	15.5
Diamention(mm)	210x90x116	283x133x198	450x220x343

| TRUE TIG ARC WELDING SERIES



TRUE TIG ARC 160



TRUE TIG ARC 200

MODEL	TIG 160	TIG 200
Product Code	IWM-101083	
(V)	ACC220V+15% 1PH	AC220V+15% 1PH
Rated input power capacity (KVA)	3.3	4.6
Rated input current (A)	15.1	20.9
No-load voltage (V)	42	56
Output current range (A)	10-160	10-200
Rated output voltage	16.4	18
Arc force adjustment (A)		
Post-gas times (S)	2±0.5	2.5±0.5/5±0.5
Duty cycle (%)	60	60
Weight(KG)	9	10
Dimension (mm)	356 x 153 x 225	356x153x225

| TRUE TIG ARC WELDING SERIES



TRUE TIG ARC 300A



TRUE TIG ARC 400A

MODEL	TIG ARC 300A		TIG ARC 400A	
Item	MMA	TIG	MMA	TIG
Input Voltage	AC220V+15%1PH		AC380V+15% 3PH	
Rated input power capacity(KVA)	12.1	8.3	27.8	20
Rated input current (A)	55.2	38	18.3	13.2
No-load voltage(V)	62		67	
Output current range(A)	20-300	10-300	20-400	20-400
Rated output voltage (V)	32	22	36	26
Arc force adjustment(A)				
Post-gas time(S)		2-10		2-10
Duty cycle(%)	60		60	
No-load consumption (W)	60		60	
Efficiency (%)	85		85	
Power factor	0.93		0.93	
Insulation class	F		F	
Weight(KG)	14.5		15	
Diamention(mm)	450*220*345		450*220*345	



WSME 200



WSME 315

MODEL	WSME 200		WSME 315	
Item	MMA	TIG	MMA	TIG
Input Voltage	AC220V±15%1PH		AC380V±15% 3PH	
Rated input power capacity(KVA)	7	4.6	13	9
Rated input current (A)	31.8	20.9		
No-load voltage(V)	60		67	67
Output current range(A)	40-200	5-200	40-315	5-315
Rated output voltage (V)	28	18	32.6	22.6
Arc force adjustment(A)				
Post-gas time(S)		0-10		0-10
Pre-flow time (S)		0-10		0-10
Pulse current(A)		5-200		5-315
Slope-down time (S)		0-10		0-10
Pulse frequency (HZ)		0.1-20		0.1-20
Pulse width(%)		10-90		10-90
Welding current(ms)				
Welding interval(ms)				
Duty cycle(%)	60		60	
No-load consumption (W)	60		60	
Efficiency (%)	85		85	
Power factor	0.93		0.93	
Insulation class	F		F	
Weight(KG)	14		26	
Dimension(mm)	480x201x295		515*280*435	



WSME 350

MODEL	WSME 350		
Product Code	IWM-101086		
		MMA	TIG
		Adjustment range	Preset
Input power voltage (V)	AC380V±15% 3PH		
Input voltage frequency (HZ)	50/60		
Rated input power capacity (KVA)	15	10.6	
No-load voltage (V)	77	77	
Output current range (A)	40-350	5-350	
Constant current (A)		5-350	
Pre-flow (S)		0-10	0.1
Hot start current(A)		10-350	50
Arc-striking current (A)		5-350	40
Up-slope (S)		0-10	5
Spot welding(S)		0-10	3
Base current (A)		5-350	10
Peak current (A)		5-50	150
Pulse width (%)		10-90	50
Pulse frequency (HZ)		0.1-20	5
Clear width (%)		10-90	30
Clear depth(%)		-50~+50	0
AC frequency (HZ)		20-200	80
Down-slope (S)		0-10	5
Arc-ending current (A)		5-350	20
Post-gas (S)		0-10	5
Duty cycle (%)	60%		
Weight (KG)	39.5		
Dimension (mm)	622 x 280 x 480		

| TRUE MIG ARC WELDING SERIES



TRUE MIG ARC 250



TRUE MIG ARC 400

MODEL	True MIG Arc 250		True MIG Arc 400	
Product Code	IWM-101082			
Item	MIG	MMA	MIG	MMA
Input voltage			AC380V±15%	
Input voltage frequency (HZ)	AC380V±15%			
	50/60		50/60	
Rated input power capacity KVA	9.4	10.6		
Arc force adjustment (A)				
Rated input current A	14.2	16	26.1	22.9
Output current range A	20-270	20-270	20-400	20-350
No-load voltage (V)	54		66	
Duty cycle %	60		60	
No-load consumption (W)	60		60	
Efficiency %	85		85	
Power factor	0.93		0.93	
Insulation class	F		F	
Protection class	IP21S		IP21S	
Weight(KG) kg	21		30	
Dimension (mm)	622x280x440		515x280x435	

| TRUE MIG ARC WELDING SERIES



NBC 500

MODEL	NBC 500	
Model	NB500	
Product Code	IWM-101100	
Parameter	MMA	MIG
	Adjustment range	Preset
Input power voltage (V)	AC380V±15% 3PH	
Input voltage frequency	50/60	
Rated input power	25.3	24.6
Output current range (A)	40-500	40-500
No-load voltage (V)	77	
Pre-flow(0.1S)	0-20	0
Post-gas(0.1S)	0-20	0
Burn back time(0.1S)	0-20	0
Duty cycle %	60	
No-load consumption (W)	60	
Weight(KG) kg	40	
Dimension (mm)	622×280×480	

A/C D/C MIG SERIES



NBM 280



MIG 500DP

MODEL	NBM 280		MIG 500DP	
Product Code				
Item	MMA	MIG	MMA	MIG
Input voltage	AC380V±15% 3PH		AC380V±15% 3PH	
V				
Input voltage frequency	50/60		50/60	
(HZ)				
Rated input power capacity	11	10	27.6	24.7
KVA			40	39
Output current range A	10-280	10-280	20-500	20-500
No-load voltage (V)	67		81	
Pre-flow(S)		0-5		0-5
Post-gas(S)		0-5		0-5
Burn back time(S)		0-2		0-2
Duty cycle %	60		60	
No-load consumption (W)	60		60	
Wire feeder	Built-in		External	
Wire feeding speed	20m/min		20m/min	
Insulation class				
Protection class				
Weight(KG) kg			40	
Dimension (mm)	622×280×480		622×280×480	



CUT 45

MODEL	CUT 45
Input Voltage	AC220V±15% 1PH
Input voltage frequency (HZ)	50/60
Mode	
Rated input power capacity (KVA)	6.3
Rated input current (A)	28.6
No-load voltage (V)	242
Output current range (A)	20-45
Rated output voltage(V)	100
Pre-flow(S)	
Post-gas(S)	2-10
Duty cycle (%)	60
Power factor	0.93
Insulation class	F
Arc-striking	Touch
Air pressure (M Pa)	0.4-0.6
Gas flow (L/min)	
Suggested cutting thickness (mm)	8
Cutting Thickness (mm)	16
Weight (KG)	6.2
Dimension (mm)	356x153x225



CUT 100C



CUT 160

MODEL	CUT 100C	CUT 160
Product Code	IWM-101081	IWM-101015
(V)	AC380V±15% 3PH	AC380V±15% - 3PH
Input voltage frequency (HZ)	50/60	50/60
Rated input power capacity (KVA)	15.1	29.2
Rated input current (A)	23	
No-load voltage (V)	285	307
Output current range (A)	5-100	5-160
Duty cycle (%)	60	60
Power factor	0.93	
Insulation class	F	
Protection class	IP21S	
Arc-striking	Non-contact	
Air pressure (M Pa)	0.6	
Gas flow (L/min)	210	
Suggested cutting thickness (mm)	30	60
Cutting Thickness (mm)	40	60
Weight (KG)	28.3	50
Dimension (mm)	500 x 280 x 435	622 x 280 x 480

| 2 IN 1 PLASMA CUTTING



COMBI CUT 60



COMBI CUT 100

MODEL	COMBI CUT 60	COMBI CUT 100
Input Voltage	AC220V±15% 1PH	AC220V±15% 1PH
Input voltage frequency (HZ)	50/60	50/60
Mode	CUT	CUT
Rated input power capacity (KVA)	7.9	15.2
Rated input current (A)	35.9	23
No-load voltage (V)	303	304
Output current range (A)	20-60	20-100
Rated output voltage(V)	104	120
Pre-flow(S)	0.1-5.0	0.1-5.0
Post-gas(S)	0-30	0-30
Duty cycle (%)	60	60
Power factor	0.93	0.93
Insulation class	F	F
Arc-striking	Non-contact	Non-contact
Air pressure (M Pa)	0.4	0.4
Gas flow (L/min)		
Suggested cutting thickness (mm)	12	25
Cutting Thickness (mm)	20	40
Weight (KG)	37.5	51.5
Dimension (mm)	515*280*435	622*310*480



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