Aadarsh Welding Machine & Tools

ARC WELDERS
ARC-250 ST

NEW

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Advanced inverter technology
- Advance arc force and arc-starting function and can resist interference
- Stable arc and little splash and low noise
- High welding quality, deep bath and strong strength
- Auto protection of over-voltage and over-current
- Suitable for welding all kinds of basic welding rods
- Capable to work continuously
- Automatic self-balancing ability when voltage is wavering
- Beautiful shape and structural design
- High efficiency, high frequency, low electricity consumption
- Light and handy for easy portability
- User friendly and easy maintenance
- Excellent insulation properties
- Perfect Self-protective design, anti-static, good corrosion resistance
- Suitable for upholster industry, high attitude, field operation
- Labour Savings 35 to 55%
- Power Savings 35 to 55%

TECHNICAL PARAMETERS

PARAMETER	ARC - 250 ST
Power Voltage (V)	1P AC -230± 15%
Frequency (Hz)	50/60
Rated Input Current (A)	58
Rated Input Power Capacity (Kva)	6
No-load Voltage (V)	59V
Current Adjust Range (A)	20 - 250
Rated Output Current (A)	30
Duty Cycle (%)	60
No-load Power (W)	<100W

PARAMETER	ARC - 250 ST
Efficiency (%)	80
Power factor	0.73
Insulation class	F
Shell protection class	IP21
Overall dimension (mm)	450×205×370
Weight (kg)	12
Welding rod diameter	1.6 - 4
Welding plate thickness	2.0 -10.0

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel	2.0 - 6.0	1.6 – 3.2	20 - 200	ARC – 200
	2.0 - 8.0	1.6 – 4	20 - 250	ARC – 200-VRD
	2.0 - 8.0	1.6 – 4.0	20 - 250	ARC – 250-ST
	2.0 - 10.0	1.6 – 4.0	20 - 300	ARC – 300 S
	2.0 - 12.0	1.6 – 5.0	20 - 400	ARC – 400

ARC WELDERS
ARC - 300

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Advanced inverter technology
- Advance arc force and arc-starting function and can resist interference
- Stable arc and little splash and low noise
- High welding quality, deep bath and strong strength
- Auto protection of over-voltage and over-current
- Suitable for welding all kinds of basic welding rods
- Capable to work continuously
- Automatic self-balancing ability when voltage is wavering
- Beautiful shape and structural design
- High efficiency, high frequency, low electricity consumption
- Light and handy for easy portability
- User friendly and easy maintenance
- Excellent insulation properties
- Perfect Self-protective design, anti-static, good corrosion resistance
- Suitable for upholster industry, high attitude, field operation
- Labour Savings 35 to 55%
- Power Savings 35 to 55%

TECHNICAL PARAMETERS

PARAMETER	ARC - 300
Power Voltage (V)	3P AC -415 ± 15%
Frequency (Hz)	50/60
Rated Input Current (A)	18.7
Rated Input Power Capacity (Kva)	12
No-load Voltage (V)	54V
Current Adjust Range (A)	20 - 300
Rated Output Current (A)	32
Duty Cycle (%)	60
No-load Power (W)	<100W

PARAMETER	ARC - 300
Efficiency (%)	80
Power Factor	0.93
Insulation Class	F
Shell Protection Class	IP21
Overall Dimension (Mm)	404×204×303
Weight (Kg)	15
Welding Rod Diameter	1.6 - 4
Welding Plate Thickness	2.0 - 10.0

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel	2.0 - 6.0	1.6 – 3.2	20 - 200	ARC – 200
	2.0 - 8.0	1.6 – 4	20 - 250	ARC – 200-VRD
	2.0 - 8.0	1.6 – 4.0	20 - 250	ARC – 250-ST
	2.0 - 10.0	1.6 – 4.0	20 - 300	ARC – 300 S
	2.0 - 12.0	1.6 – 5.0	20 - 400	ARC – 400

ARC WELDERS
ARC - 300 S

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Advanced inverter technology
- Advance arc force and arc-starting function and can resist interference
- Stable arc and little splash and low noise
- High welding quality, deep bath and strong strength
- Auto protection of over-voltage and over-current
- Suitable for welding all kinds of basic welding rods
- Capable to work continuously
- Automatic self-balancing ability when voltage is wavering
- Beautiful shape and structural design
- High efficiency, high frequency, low electricity consumption
- Light and handy for easy portability
- User friendly and easy maintenance
- Excellent insulation properties
- Perfect Self-protective design, anti-static, good corrosion resistance
- Suitable for upholster industry, high attitude, field operation
- Labour Savings 35 to 55%
- Power Savings 35 to 55%

TECHNICAL PARAMETERS

PARAMETER	ARC - 300 S
Power Voltage (V)	1P AC - 230 ± 15%
Frequency (Hz)	50/60
Rated Input Current (A)	13.4
Rated Input Power Capacity (Kva)	9
No-load Voltage (V)	54V
Current Adjust Range (A)	20 - 300
Rated Output Current (A)	30
Duty Cycle (%)	60
No-load Power (W)	<100W

PARAMETER	ARC - 300 S
Efficiency (%)	80
Power Factor	0.93
Insulation Class	F
Shell Protection Class	IP21
Overall Dimension (Mm)	400×204×303
Weight (Kg)	15
Welding Rod Diameter	1.6 - 4
Welding Plate Thickness	2.0 - 8.0

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel	2.0 - 6.0	1.6 – 3.2	20 - 200	ARC – 200
	2.0 - 8.0	1.6 – 4	20 - 250	ARC – 200-VRD
	2.0 - 8.0	1.6 – 4.0	20 - 250	ARC – 250-ST
	2.0 - 10.0	1.6 – 4.0	20 - 300	ARC – 300 S
	2.0 - 12.0	1.6 – 5.0	20 - 400	ARC – 400

ARC WELDERS (TUBLER)
ARC - 225

PRODUCT FEATURES / DESCRIPTION

- TUEBLOR IGBT Inverter Technology
- Compact Size & Light Weight
- High Quality and Power Saving Design
- V R D Function
- ARC Force Knob

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

TECHNICAL PARAMETERS

PARAMETER	ARC - 225
Input Power Voltage (V)	1P AC - 230± 15 %
Input Power Capacity (Kva)	7.2
Frequency (Hz)	50/60
Rated Input Current (A)	11.7
No-load Voltage (V)	56 V
Current Adjust Range (A)	20 - 200
Efficiency (%)	80 %
Duty Cycle (%)	60
Power Factor	0.73

PARAMETER	ARC - 225
Protection class	Ip21
Electrode diameter (mm)	1.6 - 3.5
Weight (kg)	10
Overall dimension (mm)	375 × 150 × 220

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Stainless Steel, Alloyed Steel, Mild Steel, Copper etc.,	1 ~ 12	1.6 - 4.0	20 - 225	ARC – 225
	1 ~ 15	1.6 - 5.0	20 - 315	ARC – 315
	1 ~ 20	1.6 - 6.0	20 - 315	ARC – 315 L
	1 ~ 25	1.6 - 6.0	20 - 400	ARC – 400 HD
	1 ~ 25	1.6 - 6.0	20 - 400	MMA – 400 GI

ARC WELDERS
ARC - 400

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Advanced inverter technology
- Advance arc force and arc-starting function and can resist interference
- Stable arc and little splash and low noise
- High welding quality, deep bath and strong strength
- Auto protection of over-voltage and over-current
- Suitable for welding all kinds of basic welding rods
- Capable to work continuously
- Automatic self-balancing ability when voltage is wavering
- Beautiful shape and structural design
- High efficiency, high frequency, low electricity consumption
- Light and handy for easy portability
- User friendly and easy maintenance
- Excellent insulation properties
- Perfect Self-protective design, anti-static, good corrosion resistance
- Suitable for upholster industry, high attitude, field operation
- Labour Savings 35 to 55%
- Power Savings 35 to 55%

TECHNICAL PARAMETERS

PARAMETER	ARC - 400
Power Voltage (V)	3P AC -415 ± 15%
Frequency (Hz)	50/60
Rated Input Current (A)	25.8
Rated Input Power Capacity (Kva)	14
No-load Voltage (V)	60V
Current Adjust Range (A)	20 - 400
Rated Output Current (A)	36
Duty Cycle (%)	60
No-load Power (W)	<100W

PARAMETER	ARC - 400
Efficiency (%)	80
Power Factor	0.93
Insulation Class	F
Shell Protection Class	IP21
Overall Dimension (Mm)	565×310×432
Weight (Kg)	25
Welding Rod Diameter	1.6 - 4
Welding Plate Thickness	2.0 - 12.0

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel	2.0 - 6.0	1.6 – 3.2	20 - 200	ARC – 200
	2.0 - 8.0	1.6 – 4	20 - 250	ARC – 200-VRD
	2.0 - 8.0	1.6 – 4.0	20 - 250	ARC – 250-ST
	2.0 - 10.0	1.6 – 4.0	20 - 300	ARC – 300 S
	2.0 - 12.0	1.6 – 5.0	20 - 400	ARC – 400

ARC WELDERS (TUBLER)
ARC - 315 L

HOT

PRODUCT FEATURES / DESCRIPTION

- TUEBLOR IGBT Inverter Technology
- Compact Size & Light Weight
- High Quality and Power Saving Design
- V R D Function
- ARC Force Knob

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

TECHNICAL PARAMETERS

PARAMETER	ARC - 315 L
Input Power Voltage (V)	AC -230V / 380V ± 15 %
Input Power Capacity (Kva)	10.0
Frequency (Hz)	50/60
Rated Input Current (A)	10.2
No-load Voltage (V)	60 V
Current Adjust Range (A)	30 - 315
Efficiency (%)	85%
Duty Cycle (%)	60
Power Factor	F

PARAMETER	ARC - 315 L
Protection class	Ip21
Electrode diameter (mm)	2.5/3.2/ 4.0
Weight (kg)	15
Overall dimension (mm)	475 × 157 × 290

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Stainless Steel, Alloyed Steel, Mild Steel, Copper etc.,	1 ~ 12	1.6 - 4.0	20 - 225	ARC – 225
	1 ~ 15	1.6 - 5.0	20 - 315	ARC – 315
	1 ~ 20	1.6 - 6.0	20 - 315	ARC – 315 L
	1 ~ 25	1.6 - 6.0	20 - 400	ARC – 400 HD
	1 ~ 25	1.6 - 6.0	20 - 400	MMA – 400 GI

ARC WELDERS (TUBLER)
ARC - 315

PRODUCT FEATURES / DESCRIPTION

- TUEBLOR IGBT Inverter Technology
- Compact Size & Light Weight
- High Quality and Power Saving Design
- V R D Function
- ARC Force Knob

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

TECHNICAL PARAMETERS

PARAMETER	ARC - 315
Input Power Voltage (V)	1P AC -230± 15 %
Input Power Capacity (Kva)	10.0
Frequency (Hz)	50/60
Rated Input Current (A)	10.2
No-load Voltage (V)	60 V
Current Adjust Range (A)	30 - 315
Efficiency (%)	85 %
Duty Cycle (%)	60
Power Factor	0.93

PARAMETER	ARC - 315
Protection class	Ip21
Electrode diameter (mm)	2.5 - 4
Weight (kg)	14
Overall dimension (mm)	450 × 160 × 303

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Stainless Steel, Alloyed Steel, Mild Steel, Copper etc.,	1 ~ 12	1.6 - 4.0	20 - 225	ARC – 225
	1 ~ 15	1.6 - 5.0	20 - 315	ARC – 315
	1 ~ 20	1.6 - 6.0	20 - 315	ARC – 315 L
	1 ~ 25	1.6 - 6.0	20 - 400	ARC – 400 HD
	1 ~ 25	1.6 - 6.0	20 - 400	MMA – 400 GI

SINGLE PCB SERIES
ARC - 222

PRODUCT FEATURES / DESCRIPTION

- TUEBLOR IGBT Inverter Technology
- Compact Size & Light Weight
- High Quality and Power Saving Design
- V R D Function
- ARC Force Knob

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

TECHNICAL PARAMETERS

PARAMETER	ARC - 222
Input Power Voltage (V)	AC - 220 ± 15 %
Input Power Capacity (Kva)	4.4
Frequency (Hz)	60
Rated Input Current (A)	19.2
No-load Voltage (V)	60 V
Current Adjust Range (A)	20 - 200
Efficiency (%)	87%
Duty Cycle (%)	60
Power Factor	0.73

PARAMETER	ARC - 222
Protection class	Ip21
Electrode diameter (mm)	1.6 - 3.5
Weight (kg)	5
Overall dimension (mm)	420 × 145 × 266

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel	2.0 - 6.0	1.6 – 3.2	20 - 222	ARC – 222
	2.0 - 6.0	1.6 – 3.2	20 - 200	ZX7 – 200
	2.0 - 8.0	1.6 – 4.0	20 - 250	ZX7 – 250
	2.0 - 8.0	1.6 – 4.0	20 - 300	ZX7 – 300

ARC WELDERS (TUBLER)
MMA - 400 GI

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES / DESCRIPTION

- Arc -Force for Anti-Sticking.
- Hot - Start (0 - 130 A) to Start the Welding Arc Smoothly
- VRD Function ---Safe for Welders.
- Remote -Control Function Optional.
- Wide Range for Input Voltage : 380V ± 15%
- Dust - Free Cooling System with Upgraded Duty Cycle.
- With Advanced TUEBLOR IGBT Technology
- May Use With GENERATOR

APPLICATIONS:

- Education
- Maintenance, Repair
- Fabrication
- Ship Building /Installation
- Construction
- Pipe
- Foundries

TECHNICAL PARAMETERS

PARAMETER	MMA - 400 GI
Input Power Voltage (V)	3P AC -415± 15 %
Input Power Capacity (Kva)	14
Frequency (Hz)	50/60
Rated Input Current (A)	27.6
No-load Voltage (V)	68 V
Current Adjust Range (A)	40 - 400
Efficiency (%)	85%
Duty Cycle (%)	60
Power Factor	0.93

PARAMETER	MMA - 400 GI
Protection Class	Ip21
Electrode Diameter (Mm)	2.5 - 4
Weight (Kg)	25
Overall Dimension (Mm)	415× 262× 468

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Stainless Steel, Alloyed Steel, Mild Steel, Copper etc.,	1 ~ 12	1.6 - 4.0	20 - 225	ARC – 225
	1 ~ 15	1.6 - 5.0	20 - 315	ARC – 315
	1 ~ 20	1.6 - 6.0	20 - 315	ARC – 315 L
	1 ~ 25	1.6 - 6.0	20 - 400	ARC – 400 HD
	1 ~ 25	1.6 - 6.0	20 - 400	MMA – 400 GI

ARC WELDERS
ARC - 400 HD

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES / DESCRIPTION

- Arc -Force for Anti-Sticking.
- Hot - Start (0 - 130 A) to Start the Welding Arc Smoothly
- VRD Function ---Safe for Welders.
- Remote -Control Function Optional.
- Wide Range for Input Voltage : 380V ± 15%
- Dust - Free Cooling System with Upgraded Duty Cycle.
- With Advanced TUEBLOR IGBT Technology
- May Use With GENERATOR

APPLICATIONS:

- Education
- Maintenance, Repair
- Fabrication
- Ship Building /Installation
- Construction
- Pipe
- Foundries

TECHNICAL PARAMETERS

PARAMETER	ARC - 400 HD
Power Voltage (V)	3P AC - 415 ± 15%
Frequency (Hz)	18
Rated Input Current (A)	50/60
Rated Input Power Capacity (Kva)	14
No-load Voltage (V)	65 V
Current Adjust Range (A)	40 - 400
Rated Output Current (A)	85%
Duty Cycle (%)	60
No-load Power (W)	0.93

PARAMETER	ARC - 400 HD
Protection class	Ip21
Electrode diameter (mm)	2.5 - 4
Weight (kg)	22
Overall dimension (mm)	415 × 262 × 468

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Stainless Steel, Alloyed Steel, Mild Steel, Copper etc.,	1 ~ 12	1.6 - 4.0	20 - 225	ARC – 225
	1 ~ 15	1.6 - 5.0	20 - 315	ARC – 315
	1 ~ 20	1.6 - 6.0	20 - 315	ARC – 315 L
	1 ~ 25	1.6 - 6.0	20 - 400	ARC – 400 HD
	1 ~ 25	1.6 - 6.0	20 - 400	MMA – 400 GI

SINGLE PCB SERIES
ZX7 - 250

NEW

PRODUCT FEATURES / DESCRIPTION

- TUEBLOR IGBT Inverter Technology
- High Quality and Power Saving Design

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

TECHNICAL PARAMETERS

PARAMETER	ZX7 - 250
Input Power Voltage (V)	1P AC- 230 ± 15 %
Input Power Capacity (Kva)	8.7
Rated Input Current (A)	36
No -load Voltage (V)	66 V
Current Adjust Range (A)	20 - 250
Efficiency (%)	85%

PARAMETER	ZX7 - 250
Duty Cycle (%)	60
Power Factor	0.93
Protection Class	Ip21
Electrode Diameter (Mm)	2.5 - 4
Weight (Kg)	6
Overall Dimension (Mm)	450× 160× 303

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel	2.0 - 6.0	1.6 – 3.2	20 - 222	ARC – 222
	2.0 - 6.0	1.6 – 3.2	20 - 200	ZX7 – 200
	2.0 - 8.0	1.6 – 4.0	20 - 250	ZX7 – 250
	2.0 - 8.0	1.6 – 4.0	20 - 300	ZX7 – 300

ARC WELDERS
ARC-200 VRD

PRODUCT FEATURES/DESCRIPTION

- Advanced inverter technology
- Advance arc force and arc-starting function and can resist interference
- Stable arc and little splash and low noise
- High welding quality, deep bath and strong strength
- Auto protection of over-voltage and over-current
- Suitable for welding all kinds of basic welding rods
- Capable to work continuously
- Automatic self-balancing ability when voltage is wavering
- Beautiful shape and structural design
- High efficiency, high frequency, low electricity consumption
- Light and handy for easy portability
- User friendly and easy maintenance
- Excellent insulation properties
- Perfect Self-protective design, anti-static, good corrosion resistance
- Suitable for upholster industry, high attitude, field operation
- Labour Savings 35 to 55%
- Power Savings 35 to 55%

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

TECHNICAL PARAMETERS

PARAMETER	ARC-200-VRD
Power Voltage (V)	AC -220 ±15%
Frequency (Hz)	50/60
Rated Input Current (A)	42.8
Rated Input Power Capacity (Kva)	6.0
No-load Voltage (V)	70V
Current Adjust Range (A)	10 - 200
Rated Output Current (A)	28
Duty Cycle (%)	60
No-load Power (W)	<100W

PARAMETER	ARC-250-VRD
Efficiency (%)	85
Power Factor	0.73
Insulation Class	F
Shell Protection Class	IP21S
Overall Dimension (Mm)	371×153×232
Weight (Kg)	8.2
Welding Rod Diameter	1.6 - 3.2
Welding Plate Thickness	2.0 - 6.0

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel	2.0 - 6.0	1.6 – 3.2	20 - 200	ARC – 200
	2.0 - 8.0	1.6 – 4	20 - 250	ARC – 200-VRD
	2.0 - 8.0	1.6 – 4.0	20 - 250	ARC – 250-ST
	2.0 - 10.0	1.6 – 4.0	20 - 300	ARC – 300 S
	2.0 - 12.0	1.6 – 5.0	20 - 400	ARC – 400

SINGLE PCB SERIES
ZX7- 200

PRODUCT FEATURES / DESCRIPTION

- TUEBLOR IGBT Inverter Technology
- High Quality and Power Saving Design

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

TECHNICAL PARAMETERS

PARAMETER	ZX7- 200
Input Power Voltage (V)	1P AC- 230 ± 15 %
Input Power Capacity (Kva)	4.4
Rated Input Current (A)	19.2
No -load Voltage (V)	56 V
Current Adjust Range (A)	20 - 200
Efficiency (%)	80%

PARAMETER	ZX7- 200
Duty Cycle (%)	60
Power Factor	0.73
Protection Class	Ip21
Electrode Diameter (Mm)	1.6 -3.5
Weight (Kg)	4
Overall Dimension (Mm)	375 × 150 × 220

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel	2.0 - 6.0	1.6 – 3.2	20 - 222	ARC – 222
	2.0 - 6.0	1.6 – 3.2	20 - 200	ZX7 – 200
	2.0 - 8.0	1.6 – 4.0	20 - 250	ZX7 – 250
	2.0 - 8.0	1.6 – 4.0	20 - 300	ZX7 – 300

ARC WELDERS (MODULAR)
ARC- 400 IJ

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Suitable for Welding Carbon Steel, Stainless Stel widely applicable to Production Enterprises, Electric Power Construction, Petrochemical Industry Construction, Presssure Vessel, Ship Building etc
- Adoptings soft switchhigh frequency inverter technology, highly reliable, light in weight Efficient and Energy saving
- Easy arc staring, Stable welding arc and easy control of weld puddle
- User Friendly and easy maintenance
- Brings out good welding shape and clean appearance
- High duty cycle and continuous welding for longer times
- Digital meter displays exact preset if welding current
- Adopting passive power factor correction and hight in power factor
- Automatic adjustment of arc force with the length of welding cable which can achive remote welding
- Suitable for welding all kinds of acidic and alkalic electrodes
- Selective purchase of remote control box
- ZX7 630 has the function of gouging
- Labour Savings 35 to 55%
- Power Savings 35 to 60%

TECHNICAL PARAMETERS

PARAMETER	ARC- 400 IJ
Power Voltage (V)	3P AC -415 ± 15%
Rated Input Power Capacity (Kva)	17
Rated Input Current (A)	32
Current Adjust Range (A)	40 -400
Duty Cycle (%)	60%
Full Load Efficiency (%)	89%

PARAMETER	ARC- 400 IJ
Power Factor	0.95
Output No - Load Voltage (V)	75
Insulation Class	F
Welding Thickness (Mm)	1_15
Weight (Kg)	33
Overall Dimension (Mm)	607× 330× 623

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Stainless Steel, Alloyed Steel, Mild Steel, Copper etc.,	1 ~ 15	1.6 - 5.0	40 - 400	ARC - 400IJ
	1 ~ 20	1.6 - 6.0	40 - 500	ARC - 500IJ
	1 ~ 25	1.6 - 6.0	40 - 630	ARC - 630IJ

ARC WELDERS (TUBLER)
ZX7 - 300

PRODUCT FEATURES / DESCRIPTION

- TUEBLOR IGBT Inverter Technology
- High Quality and Power Saving Design

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

TECHNICAL PARAMETERS

PARAMETER	ZX7 - 300
Input Power Voltage (V)	1P AC- 230 ± 15 %
Input Power Capacity (Kva)	8.9
Rated Input Current (A)	36
No-load Voltage (V)	56 V
Current Adjust Range (A)	20 - 300
Efficiency (%)	85%
Duty Cycle (%)	60
Power Factor	0.93

PARAMETER	ZX7 - 300
Protection class	Ip21
Electrode diameter (mm)	2.5 - 4
Weight (kg)	6
Overall dimension (mm)	450× 160× 303

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel	2.0 - 6.0	1.6 – 3.2	20 - 222	ARC – 222
	2.0 - 6.0	1.6 – 3.2	20 - 200	ZX7 – 200
	2.0 - 8.0	1.6 – 4.0	20 - 250	ZX7 – 250
	2.0 - 8.0	1.6 – 4.0	20 - 300	ZX7 – 300

ARC WELDERS (MODULAR)
ARC - 630 IJ

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Suitable for Welding Carbon Steel, Stainless Stel widely applicable to Production Enterprises, Electric Power Construction, Petrochemical Industry Construction, Presssure Vessel, Ship Building etc
- Adoptings soft switchhigh frequency inverter technology, highly reliable, light in weight Efficient and Energy saving
- Easy arc staring, Stable welding arc and easy control of weld puddle
- User Friendly and easy maintenance
- Brings out good welding shape and clean appearance
- High duty cycle and continuous welding for longer times
- Digital meter displays exact preset if welding current
- Adopting passive power factor correction and hight in power factor
- Automatic adjustment of arc force with the length of welding cable which can achive remote welding
- Suitable for welding all kinds of acidic and alkalic electrodes
- Selective purchase of remote control box
- ZX7 630 has the function of gouging
- Labour Savings 35 to 55%
- Power Savings 35 to 60%

TECHNICAL PARAMETERS

PARAMETER	ARC - 630 IJ
Power Voltage (V)	3P AC -415 ± 15%
Rated Input Power Capacity (Kva)	32
Rated Input Current (A)	61
Current Adjust Range (A)	40 - 630
Duty Cycle (%)	60%
Full Load Efficiency (%)	89%

PARAMETER	ARC - 630 IJ
Power Factor	0.95
Output No - Load Voltage (V)	75
Insulation Class	F
Welding Thickness (Mm)	1--12
Weight (Kg)	55.5
Overall Dimension (Mm)	641× 360× 640

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Stainless Steel, Alloyed Steel, Mild Steel, Copper etc.,	1 ~ 15	1.6 - 5.0	40 - 400	ARC - 400IJ
	1 ~ 20	1.6 - 6.0	40 - 500	ARC - 500IJ
	1 ~ 25	1.6 - 6.0	40 - 630	ARC - 630IJ

ARC WELDERS (MODULAR)
ARC - 500 IJ

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES / DESCRIPTION

- Suitable for Welding Carbon Steel, Stainless Stel widely applicable to Production Enterprises, Electric Power Construction, Petrochemical Industry Construction, Presssure Vessel, Ship Building etc
- Adoptings soft switchhigh frequency inverter technology, highly reliable, light in weight Efficient and Energy saving
- Easy arc staring, Stable welding arc and easy control of weld puddle
- User Friendly and easy maintenance
- Brings out good welding shape and clean appearance
- High duty cycle and continuous welding for longer times
- Digital meter displays exact preset if welding current
- Adopting passive power factor correction and hight in power factor
- Automatic adjustment of arc force with the length of welding cable which can achive remote welding
- Suitable for welding all kinds of acidic and alkalic electrodes
- Selective purchase of remote control box
- ZX7 630 has the function of gouging
- Labour Savings 35 to 55%
- Power Savings 35 to 60%

TECHNICAL PARAMETERS

PARAMETER	ARC - 500 IJ
Power Voltage (V)	3P AC -415 ± 15%
Rated Input Power Capacity (Kva)	23
Rated Input Current (A)	44
Current Adjust Range (A)	40 - 500
Duty Cycle (%)	60%
Full Load Efficiency (%)	89%

PARAMETER	ARC - 500 IJ
Power Factor	0.95
Output No - Load Voltage (V)	75
Insulation Class	F
Welding Thickness (Mm)	1_20
Weight (Kg)	45
Overall Dimension (Mm)	607× 330× 623

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Stainless Steel, Alloyed Steel, Mild Steel, Copper etc.,	1 ~ 15	1.6 - 5.0	40 - 400	ARC - 400IJ
	1 ~ 20	1.6 - 6.0	40 - 500	ARC - 500IJ
	1 ~ 25	1.6 - 6.0	40 - 630	ARC - 630IJ

TIG/ARC WELDERS
TIG - 300 A 1P

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Adopts "Advanced inverter technology" with high working Frequency
- Performs dual functions I) DC MMA Arc Welding and II) TIG Welding
- Has "Three-ply" board structure which is highly durable, reliable and easy for maintenance.
- Provides stable welding current, can do fast TIG Spot Welding
- Facilitates adjustment of MMA Welding Thrust
- Has network voltage compensation, strong ability against network voltage fluctuation, Works normally at ± 15% fluctuation
- Most efficient and "Energy Saving" – 40 to 60% over traditional welders
- Adopts high frequency arc starting, heat arc starting and excellent arc starting.
- Possesses good electric circuit for protection of over-voltage, over-current and over-heat.
- Light and handy for easy portability User friendly and easy maintenance
- Excellent insulation properties
- Estimated Labour Savings 35 to 55%
- Suitable to weld all kinds of electrodes
- Applicable to welding of all black metals – low carbon steel, mild carbon steel, alloy steel structure, copper & titanium metals.

TECHNICAL PARAMETERS

PARAMETER	TIG - 300 A 1P
Input Power Voltage (V)	1P AC -230 ± 15 %
Input Power Capacity (Kva)	7
Frequency (Hz)	50/60
Rated Input Current Mma /tig (A)	14.4 / 9.6
No -load Voltage (V)	42 V
Current Adjust Range (A)	10 - 300
Rated Input Voltage Mma /tig (A)	30/20

PARAMETER	TIG - 300 A 1P
Duty Cycle (%)	60
No -load Power (W)	<100W
Arc Starting	HF
Efficiency (%)	85%
Power Factor	0.93
Insulation Class	F
Case Protection Degree	Ip21
Weight (Kg)	19
Overall Dimension (Mm)	480× 204× 303
Welding Thickness (Mm) Mma/tig	2.0-8.0/0.3-6.0

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel, Aluminium, Titanium Metals	1.0 - 6.0 3.0 - 5.0	1.6 – 3.2	20 - 200	Tig – 200A
	2.0 - 8.0 3.0 - 6.0	1.6 – 4	20 - 300	Tig – 300A 1P
	2.0 - 10.0 5.0 - 10.0	1.6 – 4.0	20 - 300	Tig – 300A 3P
	2.0 - 12.0 2.0 - 20.0	1.6 – 5.0	20 - 400	Tig – 400A

TIG/ARC WELDERS
TIG - 200 A

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES / DESCRIPTION

- Adopts "Advanced inverter technology" with high working Frequency
- Performs dual functions I) DC MMA Arc Welding and II) TIG Welding
- Has "Three-ply" board structure which is highly durable, reliable and easy for maintenance.
- Provides stable welding current, can do fast TIG Spot Welding
- Facilitates adjustment of MMA Welding Thrust
- Has network voltage compensation, strong ability against network voltage fluctuation, Works normally at ± 15% fluctuation
- Most efficient and "Energy Saving" – 40 to 60% over traditional welders
- Adopts high frequency arc starting, heat arc starting and excellent arc starting.
- Possesses good electric circuit for protection of over-voltage, over-current and over-heat.
- Light and handy for easy portability User friendly and easy maintenance
- Excellent insulation properties
- Estimated Labour Savings 35 to 55%
- Suitable to weld all kinds of electrodes
- Applicable to welding of all black metals – low carbon steel, mild carbon steel, alloy steel structure, copper & titanium metals.

TECHNICAL PARAMETERS

PARAMETER	TIG - 200 A
Input Power Voltage (V)	1P AC- 230 ± 15 %
Input Power Capacity (Kva)	4
Frequency (Hz)	50/60
Rated Input Current Mma /tig (A)	43/28
No -load Voltage (V)	42 V
Current Adjust Range (A)	10 - 200
Rated Input Voltage Mma /tig (A)	28/18

PARAMETER	TIG - 200 A
Duty Cycle (%)	60
No -load Power (W)	<100W
Arc Starting	HF
Efficiency (%)	80%
Power Factor	0.73
Insulation Class	F
Case Protection Degree	Ip21
Weight (Kg)	10
Overall Dimension (Mm)	375× 155× 232
Welding Thickness (Mm) Mma/tig	1.0-6.0/0.3-5.0

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel, Aluminium, Titanium Metals	1.0 - 6.0 3.0 - 5.0	1.6 – 3.2	20 - 200	Tig – 200A
	2.0 - 8.0 3.0 - 6.0	1.6 – 4	20 - 300	Tig – 300A 1P
	2.0 - 10.0 5.0 - 10.0	1.6 – 4.0	20 - 300	Tig – 300A 3P
	2.0 - 12.0 2.0 - 20.0	1.6 – 5.0	20 - 400	Tig – 400A

TIG/ARC WELDERS
TIG - 400 A

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Adopts "Advanced inverter technology" with high working Frequency
- Performs dual functions I) DC MMA Arc Welding and II) TIG Welding
- Has "Three-ply" board structure which is highly durable, reliable and easy for maintenance.
- Provides stable welding current, can do fast TIG Spot Welding
- Facilitates adjustment of MMA Welding Thrust
- Has network voltage compensation, strong ability against network voltage fluctuation, Works normally at ± 15% fluctuation
- Most efficient and "Energy Saving" – 40 to 60% over traditional welders
- Adopts high frequency arc starting, heat arc starting and excellent arc starting.
- Possesses good electric circuit for protection of over-voltage, over-current and over-heat.
- Light and handy for easy portability User friendly and easy maintenance
- Excellent insulation properties
- Estimated Labour Savings 35 to 55%
- Suitable to weld all kinds of electrodes
- Applicable to welding of all black metals – low carbon steel, mild carbon steel, alloy steel structure, copper & titanium metals.

TECHNICAL PARAMETERS

PARAMETER	TIG -400 A
Input Power Voltage (v)	3P AC -415± 15 %
INPUT POWER CAPACITY (KVA)	12
Frequency (Hz)	50/60
RATED INPUT CURRENT MMA /TIG (A)	27.6 / 20
No -Load Voltage (V)	60 V
Current Adjust Range (A)	10 - 400
RATED INPUT VOLTAGE MMA /TIG (A)	36/26

PARAMETER	TIG -400 A
Duty Cycle (%)	60
No -Load POWER (W)	<100W
ARC STARTING	HF
Efficiency (%)	85%
POWER FACTOR	0.93
Insulation Class	F
Case Protection Degree	Ip21
Weight (KG)	30
Overall dimension (mm)	565× 306× 432
Welding thickness (mm) MMA/TIG	2.0-12.0/0.5-20.0

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel, Aluminium, Titanium Metals	1.0 - 6.0 3.0 - 5.0	1.6 – 3.2	20 - 200	Tig – 200A
	2.0 - 8.0 3.0 - 6.0	1.6 – 4	20 - 300	Tig – 300A 1P
	2.0 - 10.0 5.0 - 10.0	1.6 – 4.0	20 - 300	Tig – 300A 3P
	2.0 - 12.0 2.0 - 20.0	1.6 – 5.0	20 - 400	Tig – 400A

TIG/ARC WELDERS
TIG - 300 A 3P

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Adopts "Advanced inverter technology" with high working Frequency
- Performs dual functions I) DC MMA Arc Welding and II) TIG Welding
- Has "Three-ply" board structure which is highly durable, reliable and easy for maintenance.
- Provides stable welding current, can do fast TIG Spot Welding
- Facilitates adjustment of MMA Welding Thrust
- Has network voltage compensation, strong ability against network voltage fluctuation, Works normally at ± 15% fluctuation
- Most efficient and "Energy Saving" – 40 to 60% over traditional welders
- Adopts high frequency arc starting, heat arc starting and excellent arc starting.
- Possesses good electric circuit for protection of over-voltage, over-current and over-heat.
- Light and handy for easy portability User friendly and easy maintenance
- Excellent insulation properties
- Estimated Labour Savings 35 to 55%
- Suitable to weld all kinds of electrodes
- Applicable to welding of all black metals – low carbon steel, mild carbon steel, alloy steel structure, copper & titanium metals.

TECHNICAL PARAMETERS

PARAMETER	TIG - 300 A 3P
Input Power Voltage (V)	3P AC -415± 15 %
Input Power Capacity (Kva)	8
Frequency (Hz)	50/60
Rated Input Current Mma /tig (A)	18.5 / 12.6
No -load Voltage (V)	45 V
Current Adjust Range (A)	10 - 300
Rated Input Voltage Mma /tig (A)	32/22

PARAMETER	TIG - 300 A 3P
Duty Cycle (%)	60
No -load Power (W)	<100W
Arc Starting	HF
Efficiency (%)	85%
Power Factor	0.93
Insulation Class	F
Case Protection Degree	Ip21
Weight (Kg)	20
Overall Dimension (Mm)	480× 204× 303
Welding Thickness (Mm) Mma/tig	2.0-10.0/0.5-12.0

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel, Aluminium, Titanium Metals	1.0 - 6.0 3.0 - 5.0	1.6 – 3.2	20 - 200	Tig – 200A
	2.0 - 8.0 3.0 - 6.0	1.6 – 4	20 - 300	Tig – 300A 1P
	2.0 - 10.0 5.0 - 10.0	1.6 – 4.0	20 - 300	Tig – 300A 3P
	2.0 - 12.0 2.0 - 20.0	1.6 – 5.0	20 - 400	Tig – 400A

TIG PULSE WELDERS
TIG - 400 P

TIG - 400 P FEATURES

- Multi - Functional : Pulse TIG and MMA Function
- 2T / 4T and Repeat Function
- Up Slope and Down Slope Function Adjustable
- Superrior Performanc
- Wide Range for Input Voltage : 380V ± 15 %
- With Advanced Module IGBT Technology

TIG - 400 P APPLICATION

- Decoration
- Light & Medium Fabrication
- Pipes & High Pressure Vessels
- Construction

TECHNICAL PARAMETERS

PARAMETER	TIG - 400 P
Input Power Voltage (v)	3P AC -415± 15 %
Rated input capacity MMA / ARC (KVA)	18.2 /13.9
RATED INPUT CURRENT (A)	14.5 / 20.6
Current Adjust Range (A)	10 - 400
NO - load Voltage (V)	62
DUT Y CYCLE (%)	60%
Full load Efficiency (%)	85%
POWER FACTOR	0.93
Protection Class	IP21

PARAMETER	TIG - 400 P
Welding Thickness (mm)	1mm - 16mm
Weight (KG)	36
Overall dimension (mm)	550× 280× 545

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	1mm - 6mm	DC TIG / MMA	10 - 200	TIG - 200 M
Low - alloy steel	1mm - 16mm	DC TIG / MMA	10 - 400	TIG - 400 P

TIG PULSE WELDERS
TIG - 200 M

TIG - 200 M FEATURES

- Multi - Functional : HF TIG & MMA
- 2T / 4T Function
- Down- Slope : 0 -5 S Adjustable
- Pulse TIG Function With Frequency , Base and Peak Current Adjustable
- Digital Meter to Pre - Set and Display Welding Current
- Wide Range for Input Voltage : 220V ± 15 %

TIG - 200 M APPLICATIONS

- Decoration
- Light & Medium Fabrication
- Pipes & High Pressure Vessels
- Construction

TECHNICAL PARAMETERS

PARAMETER	TIG - 200 M
Input Power Voltage (V)	1P AC- 230 ± 15 %
Rated Input Capacity Mma / Arc (Kva)	9.6 / 6.2
Rated Input Current (A)	28.2 / 43.8
Current Adjust Range (A)	10 - 200
No - Load Voltage (V)	56
Dut Y Cycle (%)	60%
Full Load Efficiency (%)	80%
Power Factor	0.73
Protection Class	IP21

PARAMETER	TIG - 200 M
Welding Thickness (Mm)	1mm - 6mm
Weight (Kg)	13
Overall Dimension (Mm)	432× 204× 302

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	1mm - 6mm	DC TIG / MMA	10 - 200	TIG - 200 M
Low - alloy steel	1mm - 16mm	DC TIG / MMA	10 - 400	TIG - 400 P

TIG WELDERS (AC DC PULSE)
TIG - 315BP AC / DC

TIG - 200 AC / DC FEATURES

- Multi - Functional : Pulse TIG , AC /DC and MMA Function.
- 2T / 4T Function.
- Down- Slope : 0 - 15 S Adjustable.
- Post Flow 0 - 10 S Adjustable.
- Pluse Frequency 0 - 5HZ Adjustable
- Wide Range for Input Voltage : 220V ± 15 %

APPLICATION

- Aluminum Products
- Decoration
- Light & Medium Fabrication
- Pipes & High Pressure Vessels
- Construction

TECHNICAL PARAMETERS

PARAMETER	TIG - 315BP AC / DC
Input Power Voltage (v)	3P AC -415± 15 %
Rated input capacity MMA / TIG (KVA)	12.9 /8.9
RATED INPUT CURRENT (A)	19.6 / 13.5
Current Adjust Range (A)	10 - 315
NO - load Voltage (V)	54
DUT Y CYCLE (%)	60%
Full load Efficiency (%)	85%
POWER FACTOR	0.93
Protection Class	IP21

PARAMETER	TIG - 315BP AC / DC
Welding Thickness (mm)	1mm - 16mm
Weight (KG)	39
Overall dimension (mm)	616× 326× 620

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	1mm - 6mm	DC TIG / MMA	10 - 200	TIG - 200P AC / DC
Low - alloy steel	1mm - 16mm	DC TIG / MMA	10 - 315	TIG - 315BP AC / DC
	1mm - 25mm	DC TIG / MMA	30 - 500	TIG - 500 P AC / DC

TIG WELDERS (AC DC PULSE)
TIG - 200P AC / DC

TIG - 200 AC / DC FEATURES

- Multi - Functional : Pulse TIG , AC /DC and MMA Function.
- 2T / 4T Function.
- Down- Slope : 0 - 15 S Adjustable.
- Post Flow 0 - 10 S Adjustable.
- Pluse Frequency 0 - 5HZ Adjustable
- Wide Range for Input Voltage : 220V ± 15 %

APPLICATION

- Aluminum Products
- Decoration
- Light & Medium Fabrication
- Pipes & High Pressure Vessels
- Construction

TECHNICAL PARAMETERS

PARAMETER	TIG - 200P AC / DC
Input Power Voltage (v)	1P AC- 230 ± 15 %
Rated input capacity MMA / TIG (KVA)	9.6 / 6.2
RATED INPUT CURRENT (A)	43.6 / 28.2
Current Adjust Range (A)	10 - 200
NO - load Voltage (V)	44
DUT Y CYCLE (%)	60%
Full load Efficiency (%)	80%
POWER FACTOR	0.73
Protection Class	IP21

PARAMETER	TIG - 200P AC / DC
Welding Thickness (mm)	1mm - 6mm
Weight (KG)	22
Overall dimension (mm)	432× 204× 302

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	1mm - 6mm	DC TIG / MMA	10 - 200	TIG - 200P AC / DC
Low - alloy steel	1mm - 16mm	DC TIG / MMA	10 - 315	TIG - 315BP AC / DC
	1mm - 25mm	DC TIG / MMA	30 - 500	TIG - 500 P AC / DC

AIR PLASMA CUTTERS
CUT - 70

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Adopting advanced inverter technique and excellent imported power equipment, high working efficiency, small in size and light in weight.
- Adopting pulse width technique
- Protection equipment are set internally to prevent over heat, over current, lack of voltage etc. to ensure safety operation
- Adopting contact or non-contact cutting and strong striking performance
- Soft magnetic ferrite material are used in high frequency transformer which is small wastage, high conversion rate, high efficiency and energy-saving
- Simple structure, excellent technique, durability, reliability and easy maintenance
- Stable cutting current and smooth in cutting seam
- Adopting passive power factor correction and high in power factor

TECHNICAL PARAMETERS

PARAMETER	CUT - 70
Input Power Voltage (v)	3P 415 ± 15 %
Frequency (HZ)	50 / 60
Rated Input Capacity (Kva)	7KVA
Rated Input Current (A)	11.9
No Load Voltage (V)	240 V
Current Adjust Range (A)	15 - 70
Rated output voltage (V)	104
Case protection degree	IP21
No Load power (W)	<100W

PARAMETER	CUT - 70
Dut Y Cycle (%)	60%
Full Load Efficiency (%)	85%
Power Factor	0.93
Air Pressure (Mpa)	0.4 – 0.6
Air flow (L/min)	100
Insulation class	F
Weight (Kg)	19
Overall Dimension (Mm)	375× 155× 232
Cutting tickness (mm)	20
ARC Initiating	(Touch)

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	1.0 - 6	Contact	15 - 40	CUT - 40
Thickness may vary from metal to metal (refer scale)	2.0 - 15	Contact	15 - 70	CUT - 70
	2.0 - 25	untouched	20 - 100	CUT - 100
	2.0 - 50 Ai, Cu, Copper Alloy, Aluminum Alloy	untouched	20 - 160	CUT - 160

AIR PLASMA CUTTERS
CUT - 40

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Adopting advanced inverter technique and excellent imported power equipment, high working efficiency, small in size and light in weight.
- Adopting pulse width technique
- Protection equipment are set internally to prevent over heat, over current, lack of voltage etc. to ensure safety operation
- Adopting contact or non-contact cutting and strong striking performance
- Soft magnetic ferrite material are used in high frequency transformer which is small wastage, high conversion rate, high efficiency and energy-saving
- Simple structure, excellent technique, durability, reliability and easy maintenance
- Stable cutting current and smooth in cutting seam
- Adopting passive power factor correction and high in power factor

TECHNICAL PARAMETERS

PARAMETER	CUT - 40
Input Power Voltage (v)	1P AC- 230 ± 15 %
Frequency (HZ)	50 / 60
Rated Input Capacity (Kva)	6KVA
Rated Input Current (A)	22
No Load Voltage (V)	230 V
Current Adjust Range (A)	15 - 40
Rated output voltage (V)	96
Case protection degree	IP21
No Load power (W)	<100W

PARAMETER	CUT - 40
Dut Y Cycle (%)	60%
Full Load Efficiency (%)	80%
Power Factor	0.73
Air Pressure (Mpa)	0.4 – 0.6
Air flow (L/min)	100
Insulation class	F
Weight (Kg)	8
Overall Dimension (Mm)	375× 155× 232
Cutting tickness (mm)	10
ARC Initiating	(Touch)

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	1.0 - 6	Contact	15 - 40	CUT - 40
Thickness may vary from metal to metal (refer scale)	2.0 - 15	Contact	15 - 70	CUT - 70
	2.0 - 25	untouched	20 - 100	CUT - 100
	2.0 - 50 Ai, Cu, Copper Alloy, Aluminum Alloy	untouched	20 - 160	CUT - 160

TIG WELDERS (AC DC PULSE)
TIG - 500P AC / DC

TIG - 500P AC / DC FEATURES

- Multi - Functional : Pulse TIG AC / DC and MMA Function.
- 2T / 4T and Repeat Function
- Up Slope and Down Slope Function Adjustable
- Post Flow 0 - 10 S Adjustable.
- Pulse Frequency and Pulse Width Adjustable.
- Start Current, Base Current ,Peak Current and Crater Cureent Adjustable
- Remote Control Function.
- Wide Range for Input Voltage : 380V ± 15 %
- Adopt Advanced Module IGBT Technology

APPLICATION

- Aluminum Products
- Decoration
- Light & Medium Fabrication
- Pipes & High Pressure Vessels
- Construction

TECHNICAL PARAMETERS

PARAMETER	TIG - 500P AC / DC
Input Power Voltage (v)	3P AC -415± 15 %
Rated input capacity MMA / TIG (KVA)	14.5 / 18.9
RATED INPUT CURRENT (A)	22 / 29
Current Adjust Range (A)	30 - 500
NO - load Voltage (V)	70
DUT Y CYCLE (%)	60%
Full load Efficiency (%)	85%
POWER FACTOR	93%
Protection Class	IP21

PARAMETER	TIG - 500P AC / DC
Welding Thickness (mm)	1mm - 25 mm
Weight (KG)	85
Overall dimension (mm)	760× 380× 820

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	1mm - 6mm	DC TIG / MMA	10 - 200	TIG - 200P AC / DC
Low - alloy steel	1mm - 16mm	DC TIG / MMA	10 - 315	TIG - 315BP AC / DC
	1mm - 25mm	DC TIG / MMA	30 - 500	TIG - 500 P AC / DC

AIR PLASMA CUTTERS
CUT - 160

PRODUCT FEATURES/DESCRIPTION

- Adopting advanced inverter technique and excellent imported power equipment, high working efficiency, small in size and light in weight.
- Adopting pulse width technique
- Protection equipment are set internally to prevent over heat, over current, lack of voltage etc. to ensure safety operation
- Adopting contact or non-contact cutting and strong striking performance
- Soft magnetic ferrite material are used in high frequency transformer which is small wastage, high conversion rate, high efficiency and energy-saving
- Simple structure, excellent technique, durability, reliability and easy maintenance
- Stable cutting current and smooth in cutting seam
- Adopting passive power factor correction and high in power factor

TECHNICAL PARAMETERS

PARAMETER	CUT - 70
Input Power Voltage (v)	3P 415 ± 15 %
Frequency (HZ)	50 / 60
Rated Input Capacity (Kva)	6KVA
Rated Input Current (A)	38.2
No Load Voltage (V)	230 V
Current Adjust Range (A)	20 - 160
Rated output voltage (V)	144
Case protection degree	IP21
No Load power (W)	<100W

PARAMETER	CUT - 70
Dut Y Cycle (%)	60%
Full Load Efficiency (%)	85%
Power Factor	0.93
Air Pressure (Mpa)	0.5 – 0.6
Air flow (L/min)	130
Insulation class	F
Weight (Kg)	8
Overall Dimension (Mm)	375× 155× 232
Cutting tickness (mm)	1-60
ARC Initiating	(untouch)

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	1.0 - 6.0	Contact	15 - 40	CUT - 40
Thickness may vary from metal to metal (refer scale)	2.0 - 15.0	Contact	15 - 70	CUT - 70
	2.0 - 25.0	untouched	20 - 100	CUT - 100
	2.0 - 50.0 Ai, Cu, Copper Alloy, Aluminum Alloy	untouched	20 - 160	CUT - 160

AIR PLASMA CUTTERS
CUT - 100

PRODUCT FEATURES/DESCRIPTION

- Adopting advanced inverter technique and excellent imported power equipment, high working efficiency, small in size and light in weight.
- Adopting pulse width technique
- Protection equipment are set internally to prevent over heat, over current, lack of voltage etc. to ensure safety operation
- Adopting contact or non-contact cutting and strong striking performance
- Soft magnetic ferrite material are used in high frequency transformer which is small wastage, high conversion rate, high efficiency and energy-saving
- Simple structure, excellent technique, durability, reliability and easy maintenance
- Stable cutting current and smooth in cutting seam
- Adopting passive power factor correction and high in power factor

TECHNICAL PARAMETERS

PARAMETER	CUT - 100
Input Power Voltage (v)	3P 415 ± 15 %
Frequency (HZ)	50 / 60
Rated Input Capacity (Kva)	15KVA
Rated Input Current (A)	23
No Load Voltage (V)	311 V
Current Adjust Range (A)	20 - 100
Rated output voltage (V)	120
Case protection degree	IP21
No Load power (W)	<100W

PARAMETER	CUT - 100
Dut Y Cycle (%)	60%
Full Load Efficiency (%)	85%
Power Factor	0.93
Air Pressure (Mpa)	0.4 – 0.6
Air flow (L/min)	130
Insulation class	F
Weight (Kg)	36.5
Overall Dimension (Mm)	375× 155× 232
Cutting tickness (mm)	1-40
ARC Initiating	(untouch)

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	1.0 - 6.0	Contact	15 - 40	CUT - 40
Thickness may vary from metal to metal (refer scale)	2.0 - 15.0	Contact	15 - 70	CUT - 70
	2.0 - 25.0	untouched	20 - 100	CUT - 100
	2.0 - 50.0 Ai, Cu, Copper Alloy, Aluminum Alloy	untouched	20 - 160	CUT - 160

MIG WELDERS (MODULAR)
MIG - 250 F 3P

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Suitable for welding low carbon steel, alloy steel
- Adopting Soft switch high frequency inverter technique, high relibility, light in weight and energy saving
- Slow wire feeding arc starting, easy arc starting and high success rate, with close to the ball striking arc function
- Adopting waveform control technique to improve shipment, reduce splashing, good appearance of weld and high deposition rate
- Adopting passive power factor correction, and high in power factor
- Continuous adjustment of current and voltage, widely usage range
- Be able to use solid wire and flux wire
- High duty cycle and continuous welding for a long time
- Digital meter and exactly preset welding parameter
- In common use with Panasonic KR wire feeder

TECHNICAL PARAMETERS

PARAMETER	MIG - 250 F 3P
Input Power Voltage (V)	3P AC -415± 15 %
Rated Input Capacity (Kva)	8.4
Rated Input Current (A)	25
Voltage Adjusting Range (V)	14 - 40
Current Adjust Range (A)	40 - 250

PARAMETER	MIG - 250 F 3P
Welding Wire (ϕ)	0.8 -1.0
Dut Y Cycle (%)	60%
Full Load Efficiency (%)	89%
Power Factor	0.89
Weight (Kg)	18
Overall Dimension (Mm)	541 × 214 × 303

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	WELDING METHOD	WIRE DIAMETER (ϕ)	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	CO2 / MAG	0.8 / 1.0	60 - 250	MIG - 250 F 1P
	CO2 / MAG	0.8 / 1.0	60 - 250	MIG - 250 F 3P

MIG WELDERS (MODULAR)
MIG - 250 F 1P

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Suitable for welding low carbon steel, alloy steel
- Adopting Soft switch high frequency inverter technique, high relibility, light in weight and energy saving
- Slow wire feeding arc starting, easy arc starting and high success rate, with close to the ball striking arc function
- Adopting waveform control technique to improve shipment, reduce splashing, good appearance of weld and high deposition rate
- Adopting passive power factor correction, and high in power factor
- Continuous adjustment of current and voltage, widely usage range
- Be able to use solid wire and flux wire
- High duty cycle and continuous welding for a long time
- Digital meter and exactly preset welding parameter
- In common use with Panasonic KR wire feeder

TECHNICAL PARAMETERS

PARAMETER	MIG - 250 F 1P
Input Power Voltage (V)	1P AC - 230 ± 15%
Rated Input Capacity (Kva)	8.4
Rated Input Current (A)	25
Voltage Adjusting Range (V)	14 - 40
Current Adjust Range (A)	40 - 250

PARAMETER	MIG - 250 F 1P
Welding Wire (ϕ)	0.8 -1.0
Dut Y Cycle (%)	60%
Full Load Efficiency (%)	89%
Power Factor	0.87
Weight (Kg)	18
Overall Dimension (Mm)	541 × 214 × 303

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	WELDING METHOD	WIRE DIAMETER (ϕ)	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	CO2 / MAG	0.8 / 1.0	60 - 250	MIG - 250 F 1P
	CO2 / MAG	0.8 / 1.0	60 - 250	MIG - 250 F 3P

MIG WELDERS (MODULAR)
MIG - 500 IJ

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES / DESCRIPTION

- Suitable for welding low carbon steel, alloy steel
- Adopting Soft switch high frequency inverter technique, high relibility, light in weight and energy saving
- Slow wire feeding arc starting, easy arc starting and high success rate, with close to the ball striking arc function
- Adopting waveform control technique to improve shipment, reduce splashing, good appearance of weld and high deposition rate
- Adopting passive power factor correction, and high in power factor
- Continuous adjustment of current and voltage, widely usage range
- Be able to use solid wire and flux wire
- High duty cycle and continuous welding for a long time
- Digital meter and exactly preset welding parameter
- In common use with Panasonic KR wire feeder

TECHNICAL PARAMETERS

PARAMETER	MIG - 500 IJ
Input Power Voltage (V)	3P AC -415± 15 %
Rated Input Capacity (Kva)	24.7 / 25.3
Rated Input Current (A)	46
Current Adjust Range (A)	17 - 50
Voltage Adjusting Range (V)	60 - 500

PARAMETER	MIG - 500 IJ
Welding Wire (ϕ)	1.2 - 1.6
Dut Y Cycle (%)	60%
Full Load Efficiency (%)	89%
Power Factor	0.87
Weight (Kg)	50
Overall Dimension (Mm)	641× 360× 640

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	WELDING METHOD	WIRE DIAMETER (ϕ)	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	CO2 / MAG	0.8 / 1.2	60 - 400	MIG - 400 IJ
	CO2 / MAG	1.0 / 1.2 / 1.6	60 - 500	MIG - 500 IJ
Austenitic Stainless Steel	CO 2 /MAG	1.0 / 1.2 / 1.6	60 - 630	MIG - 630 IJ
	CO2 (Flux - cored wires)	1.2	60 - 400	MIG 400 IJ
	MIG (SOLID - CORED WIRES)	1.2	60 - 500	MIG 500 IJ
	CO2 (Flux - cored wires)	1.2 / 1.6	60 - 630	MIG 630 IJ

MIG WELDERS (MODULAR)
MIG - 400 IJ

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Suitable for welding low carbon steel, alloy steel
- Adopting Soft switch high frequency inverter technique, high relibility, light in weight and energy saving
- Slow wire feeding arc starting, easy arc starting and high success rate, with close to the ball striking arc function
- Adopting waveform control technique to improve shipment, reduce splashing, good appearance of weld and high deposition rate
- Adopting passive power factor correction, and high in power factor
- Continuous adjustment of current and voltage, widely usage range
- Be able to use solid wire and flux wire
- High duty cycle and continuous welding for a long time
- Digital meter and exactly preset welding parameter
- In common use with Panasonic KR wire feeder

TECHNICAL PARAMETERS

PARAMETER	MIG - 400 IJ
Input Power Voltage (V)	3P AC -415± 15 %
Rated Input Capacity (Kva)	14
Rated Input Current (A)	25
Current Adjust Range (A)	14 - 40
Voltage Adjusting Range (V)	60 - 400

PARAMETER	MIG - 400 IJ
Welding Wire (ϕ)	0.8 - 1.2
Dut Y Cycle (%)	60%
Full Load Efficiency (%)	89%
Power Factor	0.87
Weight (Kg)	36
Overall Dimension (Mm)	607× 330× 623

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	WELDING METHOD	WIRE DIAMETER (ϕ)	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	CO2 / MAG	0.8 / 1.2	60 - 400	MIG - 400 IJ
	CO2 / MAG	1.0 / 1.2 / 1.6	60 - 500	MIG - 500 IJ
Austenitic Stainless Steel	CO 2 /MAG	1.0 / 1.2 / 1.6	60 - 630	MIG - 630 IJ
	CO2 (Flux - cored wires)	1.2	60 - 400	MIG 400 IJ
	MIG (SOLID - CORED WIRES)	1.2	60 - 500	MIG 500 IJ
	CO2 (Flux - cored wires)	1.2 / 1.6	60 - 630	MIG 630 IJ

MIG WELDERS (TUBLAR)
MIG - 250 IGBT 1P

HOT

PRODUCT FEATURES / DESCRIPTION

- Multi - Functional MIG , MMA
- Soft - Arc and Strong - Arc Adjustable
- Arc Stability with Low Spatter
- Pre - Set Digital Display
- Wide Range for Input Voltage: 220V±15%
- With Advanced Single IGBT Technology
- Portable

TECHNICAL PARAMETERS

PARAMETER	MIG - 250 IGBT 1P
Input Power Voltage (V)	1P AC- 230 ± 15 %
Rated Input Capacity (K V A) Mig , Mma	8.2 / 7.3
No - Load Voltage	52 v
Diometer Of The Wire	0.8 - 1.0 mm
Output Current Adjust Range (A)	50 - 250
Dut Y Cycle (%)	60%

PARAMETER	MIG - 250 IGBT 1P
Efficiency (%)	85%
Power Factor	0.93
No -load Power (W)	<100W
Insulation Class	F
Weight (Kg)	26
Overall Dimension (Mm)	620 × 405 × 555

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	WELDING METHOD	WIRE DIAMETER (ϕ)	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	CO2 / MAG	0.8 / 1.0	40 - 250	MIG - 250 IGBT 1P
	CO2 / MAG	0.8 / 1.0	40 - 250	MIG - 250 IGBT 3P
	CO2 / MAG	1.0 / 1.2	60 - 400	MIG - 400 IGBT 3P

MIG WELDERS (MODULAR)
MIG - 630 IJ

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Suitable for welding low carbon steel, alloy steel
- Adopting Soft switch high frequency inverter technique, high relibility, light in weight and energy saving
- Slow wire feeding arc starting, easy arc starting and high success rate, with close to the ball striking arc function
- Adopting waveform control technique to improve shipment, reduce splashing, good appearance of weld and high deposition rate
- Adopting passive power factor correction, and high in power factor
- Continuous adjustment of current and voltage, widely usage range
- Be able to use solid wire and flux wire
- High duty cycle and continuous welding for a long time
- Digital meter and exactly preset welding parameter
- In common use with Panasonic KR wire feeder

TECHNICAL PARAMETERS

PARAMETER	MIG - 630 IJ
Input Power Voltage (V)	3P AC -415± 15 %
Rated Input Capacity (Kva)	MIG-36.2 / MMA-35.3
Rated Input Current (A)	66
Current Adjust Range (A)	17 - 50
Voltage Adjusting Range (V)	60 - 630

PARAMETER	MIG - 630 IJ
Welding Wire (ϕ)	1.2 - 1.6
Dut Y Cycle (%)	60%
Full Load Efficiency (%)	89%
Power Factor	0.87
Weight (Kg)	55
Overall Dimension (Mm)	641× 360× 640

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	WELDING METHOD	WIRE DIAMETER (ϕ)	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	CO2 / MAG	0.8 / 1.2	60 - 400	MIG - 400 IJ
	CO2 / MAG	1.0 / 1.2 / 1.6	60 - 500	MIG - 500 IJ
Austenitic Stainless Steel	CO 2 /MAG	1.0 / 1.2 / 1.6	60 - 630	MIG - 630 IJ
	CO2 (Flux - cored wires)	1.2	60 - 400	MIG 400 IJ
	MIG (SOLID - CORED WIRES)	1.2	60 - 500	MIG 500 IJ
	CO2 (Flux - cored wires)	1.2 / 1.6	60 - 630	MIG 630 IJ

SAW WELDERS (MODULAR)
MZ - 1000

PRODUCT FEATURES / DESCRIPTION

- Multi - Functional : SAW , MMA and Carbon Gouging
- Auto - Protection against Over - Voltage , Over - Current and Over - heated
- Wide Range for Input Voltage : 380V ± 15 % Current Adjustable
- High Efficiency
- Energy Saving
- Dust - Free Cooling System with Upgraded Duty Cycle

APPLICATIONS

- Construction or Installation
- Decoration
- Installation and maintenance of equipment
- General fabrications

TECHNICAL PARAMETERS

PARAMETER	MZ - 1000
Input Power Voltage (v)	3P AC -415± 15 %
Rated Output capacity (KW)	44
RATED INPUT CURRENT (A)	83
Current Adjust Range (A)	112 - 1000
Voltage adjusting range (V)	20 - 50
Rated duty cycle (%)	60%
Full load Efficiency (%)	92%
Full load power factor	0.88
Protection class	IP21

PARAMETER	MZ - 1000
Welding Thickness (mm)	2.4 - 5
Weight (KG)	85
Overall dimension (mm)	760× 380× 820

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	8.0 - 20.0	2.4 / 4.0	112 - 1000	MZ - 1000
Low - alloy steel	8.0 - 20.0 above	2.4 / 5.0	112 - 1250	MZ - 1250

ARC WELDERS
ARC-200

Estimated Power & Energy Savings - 35 to 55%

Estimated Labour Savings - 60%

PRODUCT FEATURES/DESCRIPTION

- Advanced inverter technology
- Advance arc force and arc-starting function and can resist interference
- Stable arc and little splash and low noise
- High welding quality, deep bath and strong strength
- Auto protection of over-voltage and over-current
- Suitable for welding all kinds of basic welding rods
- Capable to work continuously
- Automatic self-balancing ability when voltage is wavering
- Beautiful shape and structural design
- High efficiency, high frequency, low electricity consumption
- Light and handy for easy portability
- User friendly and easy maintenance
- Excellent insulation properties
- Perfect Self-protective design, anti-static, good corrosion resistance
- Suitable for upholster industry, high attitude, field operation
- Labour Savings 35 to 55%
- Power Savings 35 to 55%

TECHNICAL PARAMETERS

PARAMETER	ARC-200
POWER VOLTAGE (V)	1P AC -230 ±15%
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	42.5
RATED INPUT POWER CAPACITY (KVA)	5
NO-LOAD VOLTAGE (V)	56V
Current Adjust Range (A)	20 -200
Rated Output Current (A)	28
Duty Cycle (%)	60
NO-LOAD POWER (W)	<100W

PARAMETER	ARC-200
Efficiency (%)	80
POWER FACTOR	0.73
Insulation Class	F
Shell Protection Class	IP21
Overall Dimension (mm)	371×153×232
Weight (KG)	8
Welding Rod Diameter	1.6 -3.2
Welding plate thickness	2.0 -6.0

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
All Types of Carbon Steel, Stainless Steel, Low- alloy Steel	2.0 - 6.0	1.6 – 3.2	20 - 200	ARC – 200
	2.0 - 8.0	1.6 – 4	20 - 250	ARC – 200-VRD
	2.0 - 8.0	1.6 – 4.0	20 - 250	ARC – 250-ST
	2.0 - 10.0	1.6 – 4.0	20 - 300	ARC – 300 S
	2.0 - 12.0	1.6 – 5.0	20 - 400	ARC – 400

MIG WELDERS (TUBLAR)
MIG - 400

PRODUCT FEATURES / DESCRIPTION

- Multi - Functional MIG , MMA
- Soft - Arc and Strong - Arc Adjustable
- Arc Stability with Low Spatter
- Pre - Set Digital Display
- Wide Range for Input Voltage: 220V±15%
- With Advanced Single IGBT Technology
- Portable

TECHNICAL PARAMETERS

PARAMETER	MIG - 400 IGBT 3P
Input Power Voltage (V)	3P AC- 380v ± 15 %
Rated Input Capacity (K V A) Mig , Mma	16.7
No - Load Voltage	56 v
Diometer Of The Wire	0.8 - 1.2 mm
Output Current Adjust Range (A)	50 - 400
Dut Y Cycle (%)	60%

PARAMETER	MIG - 400 IGBT 3P
Efficiency (%)	85%
Power Factor	0.93
No -load Power (W)	<100W
Insulation Class	F
Weight (Kg)	45
Overall Dimension (Mm)	655 × 300 × 665

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	WELDING METHOD	WIRE DIAMETER (ϕ)	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	CO2 / MAG	0.8 / 1.0	40 - 250	MIG - 250 IGBT 1P
	CO2 / MAG	0.8 / 1.0	40 - 250	MIG - 250 IGBT 3P
	CO2 / MAG	1.0 / 1.2	60 - 400	MIG - 400 IGBT 3P

MIG WELDERS (TUBLAR)
MIG - 250 IGBT 3P

HOT

PRODUCT FEATURES / DESCRIPTION

- Multi - Functional MIG , MMA
- Soft - Arc and Strong - Arc Adjustable
- Arc Stability with Low Spatter
- Pre - Set Digital Display
- Wide Range for Input Voltage: 220V±15%
- With Advanced Single IGBT Technology
- Portable

TECHNICAL PARAMETERS

PARAMETER	MIG - 250 IGBT 3P
Input Power Voltage (V)	3P AC- 415 ± 15 %
Rated Input Capacity (K V A) Mig , Mma	8.4 / 7.3
No - Load Voltage	56 v
Diometer Of The Wire	0.8 - 1.0 mm
Output Current Adjust Range (A)	50 - 250
Dut Y Cycle (%)	60%

PARAMETER	MIG - 250 IGBT 3P
Efficiency (%)	85%
Power Factor	0.93
No -load Power (W)	<100W
Insulation Class	F
Weight (Kg)	26
Overall Dimension (Mm)	485 × 234 × 425

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	WELDING METHOD	WIRE DIAMETER (ϕ)	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	CO2 / MAG	0.8 / 1.0	40 - 250	MIG - 250 IGBT 1P
	CO2 / MAG	0.8 / 1.0	40 - 250	MIG - 250 IGBT 3P
	CO2 / MAG	1.0 / 1.2	60 - 400	MIG - 400 IGBT 3P

SAW WELDERS (MODULAR)
MZ - 1250

PRODUCT FEATURES / DESCRIPTION

- Multi - Functional : SAW , MMA and Carbon Gouging
- Auto - Protection against Over - Voltage , Over - Current and Over - heated
- Wide Range for Input Voltage : 380V ± 15 % Current Adjustable
- High Efficiency
- Energy Saving
- Dust - Free Cooling System with Upgraded Duty Cycle

APPLICATIONS

- Construction or Installation
- Decoration
- Installation and maintenance of equipment
- General fabrications

TECHNICAL PARAMETERS

PARAMETER	MZ - 1250
Input Power Voltage (v)	3P AC -415± 15 %
Rated Output capacity (KW)	44
RATED INPUT CURRENT (A)	120
Current Adjust Range (A)	112 - 1250
Voltage adjusting range (V)	20 - 50
Rated duty cycle (%)	60%
Full load Efficiency (%)	92%
Full load power factor	0.88
Protection class	IP21

PARAMETER	MZ - 1250
Welding Thickness (mm)	2.4 - 5
Weight (KG)	90
Overall dimension (mm)	760× 380× 820

GUIDELINES FOR PRODUCT PURCHASE

BASE MATERIAL	PLATE THICKNESS (MM)	WELDING ROD / CARBON ROD DIAMETER	CURRENT RANGE (A)	APPLICATION MODEL
Carbon steel, Stainless steel	8.0 - 20.0	2.4 / 4.0	112 - 1000	MZ - 1000
Low - alloy steel	8.0 - 20.0 above	2.4 / 5.0	112 - 1250	MZ - 1250