



## TYPE A

## Portable welding transformers

### A-23 | A-33

- Great Power – Small weight
- Small dimensions
- Easy – to – operate
- Reliable and safe during welding
- Operate with no noise creation
- Suitable for hobby and professional activities
- Continuous regulation



### TECHNICAL DATA

Type	A-23	A-33
Input power Smax [kVA]	6	5.2 / 7
Input voltage U1 [V]	220	220/380
Welding current I2 [A]	50-140	50-160
Duty cycle of max.current [%]	20	20
No-load voltage U20 [V]	43	43/45
ø [mm]	2-3.25	2-3.25
Cooling	N	N
Protection	H	H
Dimensions [mm]	490x205x320	490x205x320
Weight [kg]	18	20



## TYPE A

## Portable welding transformers

### TSJ-140 | TSJ-180

- Great Power – Small weight
- Small dimensions
- Easy – to – operate
- Reliable and safe during welding
- Operate with no noise creation
- Suitable for hobby and professional activities
- Continuous regulation



### TECHNICAL DATA

Type	TSJ-140	TSJ-180
Input power Smax [kVA]	6.2	11
Input voltage U1 [V]	220	220/380
Welding current I2 [A]	50-140	55-180
Duty cycle of max.current [%]	40	20
No-load voltage U20 [V]	49	46/53
ø [mm]	1.5-3.25	1.5-4
Cooling	F	F
Protection	H	H
Dimensions [mm]	440x210x340	440x210x340
Weight [kg]	22	24



## TYPE B

## Welding transformers

### B-180 | B-200

- Small weight
- Modern design
- Ability for remote control
- Operate with no noise creation
- Wide range of regulation of the welding current
- Continuous adjusting of the welding current
- Intended for manual and gravitation welding



### TECHNICAL DATA

Type	B-180	B-200
Input power S <sub>max</sub> [kVA]	10	9.9
Input voltage U <sub>1</sub> [V]	220/380	220/380
Welding current I <sub>2</sub> [A]	50/180	50-200
Duty cycle of max.current [%]	30	40
No-load voltage U <sub>20</sub> [V]	46	50
Ø [mm]	2-4	1.5-5
Cooling	F	F
Protection	H	H
Dimensions [mm]	390x350x350	390x350x380
Weight [kg]	28	32



## TYPE B

## Welding transformers

**B-250 | B-350 | B-400 | B-450 | B-600**

- Small weight
- Modern design
- Ability for remote control
- Operate with no noise creation
- Wide range of regulation of the welding current
- Continuous adjusting of the welding current
- Intended for manual and gravitation welding



### TECHNICAL DATA

Type	B-250	B-350	B-400	B-450	B-600
Input power S <sub>max</sub> [kVA]	16 / 12.5	25.8	28.2	31	42
Input voltage U <sub>1</sub> [V]	220/380	380	380	380	380
Welding current I <sub>2</sub> [A]	50-250	50-350	50-400	50-450	50-600
Duty cycle of max.current [%]	60	60	60	60	60
No-load voltage U <sub>20</sub> [V]	70	70	70	70	75
ø [mm]	1.5-5	1.5-6	1.5-6	1.5-6	1.5-6
Cooling	N	N	N	N	N
Protection	C	C	C	C	C
Dimensions [mm]	600x536x650	600x536x650	720x580x670	640x640x720	640x640x720
Weight [kg]	125	140	140	180	220





## TYPE BC

TIG drives for welding

### BCTY 230 | BC-20P2 | BC-20P6

- Light devices for comfort work at construction buildings
- Latest technology
- Remotely controlled
- Wide range of functions – high quality of welding parts
- Continuous regulation of the power through the entire range
- VF – generators for ignition of the arc with no contact
- A built-in battery with special condensers that emphasize the effect of cleaning while working with alternating current
- Wide range of programmable work with electrical arc
- Possibility for welding with all kinds of electrodes (acid, base, rutil and special)



### TECHNICAL DATA

Type	BCTY 230	BC-20P2	BC-20P6
Input power Smax [kVA]	16	25	25
Input voltage U1 [V]	380	380	380
Welding current I2 [A]	5-200 = 25-210 ~	25-300 ~ 10-350 =	25-300 ~ 10-350 =
Duty cycle of max.current [%]	35	40	40
No-load voltage U20 [V]	75-95	68/76	76
ø [mm]	+	+	+
Cooling	F	F	F
Protection	H	H	H
Dimensions [mm]	770x360x720	680x1110x900	680x1010x900
Weight [kg]	100	270	270



## TYPE C

## Welding rectifiers

### CP 350 (C-3) | CP 450 (C-4)

- Small weight
- Modern design
- Ability for remote control
- Operate with no noise creation
- Wide range of regulation of the welding power
- Continuous adjusting of the welding power
- Possibility for welding with all kinds of electrodes (acid, base, rutil and special)
- Intended for welding with EPP procedure
- Safe and simple for maintenance and control
- Excellent static and dynamic characteristics of the source



### TECHNICAL DATA

Type	CP-350 (C-3)	CP-450 (C-4)
Input power $S_{max}$ [kVA]	15	32.9
Input voltage $U_1$ [V]	380	380
Welding current $I_2$ [A]	60-350	60-450
Duty cycle of max.current [%]	60	60
No-load voltage $U_{20}$ [V]	73	76
$\phi$ [mm]	2-6	2-6
Cooling	F	F
Protection	C	C
Dimensions [mm]	960x520x860	960x520x860
Weight [kg]	190	200



## TYPE C

## Welding rectifiers

### CP 1000 (C6) | CP 1500 (C7)

- Small weight
- Modern design
- Ability for remote control
- Operate with no noise creation
- Wide range of regulation of the welding power
- Continuous adjusting of the welding power
- Possibility for welding with all kinds of electrodes (acid, base, rutil and special)
- Intended for welding with EPP procedure
- Safe and simple for maintenance and control
- Excellent static and dynamic characteristics of the source



### TECHNICAL DATA

Type	CP-1000 (C-6)	CP 1500 (C-7)
Input power S <sub>max</sub> [kVA]	55	85
Input voltage U <sub>1</sub> [V]	380	380
Welding current I <sub>2</sub> [A]	200-1000	270-1500
Duty cycle of max.current [%]	100	60%(1500A), 100%(1200A)
No-load voltage U <sub>20</sub> [V]	85	80
Ø [mm]	2-6(4-11)	2,5-6(4-11)
Cooling	F	F
Protection	C	C
Dimensions [mm]	1250x700x1150	1250x700x1150
Weight [kg]	650	750





## TYPE D

Semiautomatic for MIG/MAG welding

### Super MIGWELL D-160A | D-180

- Small weight
- Modern design
- Wide range of regulation of the welding power
- Continuous adjusting of the welding power
- Ability for remote control
- Operate with no noise creation
- Compact and economic
- Ability for connection to house installations
- Ability for welding any type of steel (Aluminum and his leaguers)
- Latest technology – optimal quality of welding
- Ability for spot welding
- Extended burning on the welding wire
- Protected from overload



### TECHNICAL DATA

Type	D-160A	D-180
Input power S <sub>max</sub> [kVA]	6.5	6.5
Input voltage U <sub>1</sub> [V]	230	230
Welding current I <sub>2</sub> [A]	30-160	30-180
Duty cycle of max.current [%]	20	30
No-load voltage U <sub>20</sub> [V]	19-30.5	20-35
Ø [mm]	0.6-0.8	0.6-0.8
Cooling	F	F
Protection	H	H
Dimensions [mm]	780x442x735	780x442x735
Weight [kg]	34	55





## TYPE D

## Semiautomatic for MIG/MAG welding

### Super MIGWELL D-250 K | D-250 S | D-300

- Small weight
- Modern design
- Wide range of regulation of the welding power
- Continuous adjusting of the welding power
- Ability for remote control
- Operate with no noise creation
- Compact and economic
- Ability for connection to house installations
- Ability for welding any type of steel (Aluminum and his leaguers)
- Latest technology – optimal quality of welding
- Ability for spot welding
- Extended burning on the welding wire
- Protected from overload



### TECHNICAL DATA

Type	D-250 K (compact)	D-250 S (separate)	D-300
Input power $S_{max}$ [kVA]	8.8	8.8	14.5
Input voltage $U_1$ [V]	380	380	380
Welding current $I_2$ [A]	40-250	40-250	40-300
Duty cycle of max.current [%]	60	60	60
No-load voltage $U_{20}$ [V]	21-40	21-40	21-50
$\phi$ [mm]	0.6-1.2	0.6-1.2	0.8-1.2
Cooling	F	F	F
Protection	H	H	H
Dimensions [mm]	750x360x820	750x360x820	750x360x820
Weight [kg]	93	93	97



## TYPE D

Semiautomatic for MIG/MAG welding

### Super MIGWELL D-350 | D-350 X 80 | D-350 X 80 VL

- Small weight
- Modern design
- Wide range of regulation of the welding power
- Continuous adjusting of the welding power
- Ability for remote control
- Operate with no noise creation
- Compact and economic
- Ability for connection to house installations
- Ability for welding any type of steel (Aluminum and his leaguers)
- Latest technology – optimal quality of welding
- Ability for spot welding
- Extended burning on the welding wire
- Protected from overload



### TECHNICAL DATA

Type	D-350	D-350 X 80	D-350 X 80 VL.
Input power $S_{max}$ [kVA]	15	20	20
Input voltage $U_1$ [V]	380	380	380
Welding current $I_2$ [A]	40-350	40-350	40-350
Duty cycle of max.current [%]	60	80	80
No-load voltage $U_{20}$ [V]	21-50.5	18-52	18-52
$\varnothing$ [mm]	0.8-1.6	0.8-1.6	0.8-1.6
Cooling	F	F	F
Gun cooling	air	air	water
Protection	H	H	H
Dimensions [mm]	850x380x820	865x425x770	865x425x770
Weight [kg]	122	145	165



## TYPE D

Semiautomatic for MIG/MAG welding

### Super MIGWELL D-450 | D-450 X 80 | D-450 X 80 VL

- Small weight
- Modern design
- Wide range of regulation of the welding power
- Continuous adjusting of the welding power
- Ability for remote control
- Operate with no noise creation
- Compact and economic
- Ability for connection to house installations
- Ability for welding any type of steel (Aluminum and his leaguers)
- Latest technology – optimal quality of welding
- Ability for spot welding
- Extended burning on the welding wire
- Protected from overload



### TECHNICAL DATA

Type	D-450	D-450 X 80	D-450 X 80 VL
Input power $S_{max}$ [kVA]	25	29	29
Input voltage $U_1$ [V]	380	380	380
Welding current $I_2$ [A]	40-450	40-450	40-450
Duty cycle of max.current [%]	60	80	80
No-load voltage $U_{20}$ [V]	20-59.5	20-51	20-51
$\varnothing$ [mm]	0.8-1.6	0.8-1.6	0.8-1.6
Cooling	F	F	F
Gun cooling	air	air	water
Protection	H	H	H
Dimensions [mm]	850x380x820	865x425x770	865x425x770
Weight [kg]	131	170	190





## TYPE D

Semiautomatic for MIG/MAG welding

### Super MIGWELL D-350 | D-450 | D- 350 X 80 | D-450 X 80

- Small weight
- Modern design
- Wide range of regulation of the welding power
- Continuous adjusting of the welding power
- Ability for remote control
- Operate with no noise creation
- Compact and economic
- Ability for connection to house installations
- Ability for welding any type of steel  
( Aluminum and his leaguers )
- Latest technology – optimal quality of welding
- Ability for spot welding
- Extended burning on the welding wire
- Protected from overload

\* product also available with water cooling  
D- 350 X 80 VL. | D-450 X 80 VL.



### TECHNICAL DATA

Type	D-350	D-450	D- 350 X 80	D-450 X 80
Input power S <sub>max</sub> [kVA]	15	25	20	29
Input voltage U <sub>1</sub> [V]	380	380	380	380
Welding current I <sub>2</sub> [A]	40-350	40-450	40-350	40-450
Duty cycle of max.current [%]	60	60	80	80
No-load voltage U <sub>20</sub> [V]	21-50.5	20-59.5	18-52	20-51
ø [mm]	0.8-1.6	0.8-1.6	0.8-1.6	0.8-1.6
Cooling	F	F	F	F
Protection	H	H	H	H
Dimensions [mm]	850x380x820	850x380x820	865x425x770	865x425x770
Weight [kg]	122	131	145	170



## TYPE PSV

## Air Plasma cutters

### PSV 30/60 | PSV 60/120

- Cutting of all electrically conductive materials
- Cutting of very thick sheets
- Clean cuts with no deformation
- Economical cutting
- Ability to use air and current
- Ability to cut materials (Al, Cu, Ss)  
with thick plate from 0,5mm to 35mm



### TECHNICAL DATA

Type	PSV 30/60	PSV 60/120
Input power S <sub>max</sub> [kVA]	15	33
Input voltage U <sub>1</sub> [V]	380	380
Welding current I <sub>2</sub> [A]	30-60	60-120
Duty cycle of max.current [%]	40	60
No-load voltage U <sub>20</sub> [V]	250	250
F <sub>att</sub> [mm] Al,Cu,Ss	max 18	max 35
Cooling	F	F
Protection	H	H
Dimensions [mm]	520x350x650	520x720x780
Weight [kg]	70	130



## TYPE E

## Resistance spot welding machines



**ST-15 | ST-20 | ST-30**

- Welding of steel sheets Al, Cu
- Welding of flat sheets and rounded objects
- Manual and pneumatic operating

### TECHNICAL DATA

Type	ST-15	ST-20	ST-30
Input power Smax [kVA]	16	20	30
Input voltage U1 [V]	380	380	380
Welding current I2[A]	5300/15000	5200/17500	5200/21500
Duty cycle of max.current [%]	50	50	50
No-load voltage U20[V]	1.8 / 3.6	1.8 / 3.6	2.14 / 5
Fatt[mm] Al,Cu,S	3+3/10+10	4+4/16+16	4+4/18+18
Cooling	water	water	water
Protection	H	H	H
Spotts/h 1+1	3900	3900	3900
Dimensions [mm]	1385x400x795	1260x450x680	1260x450x680
Weight [kg]	170	213	236



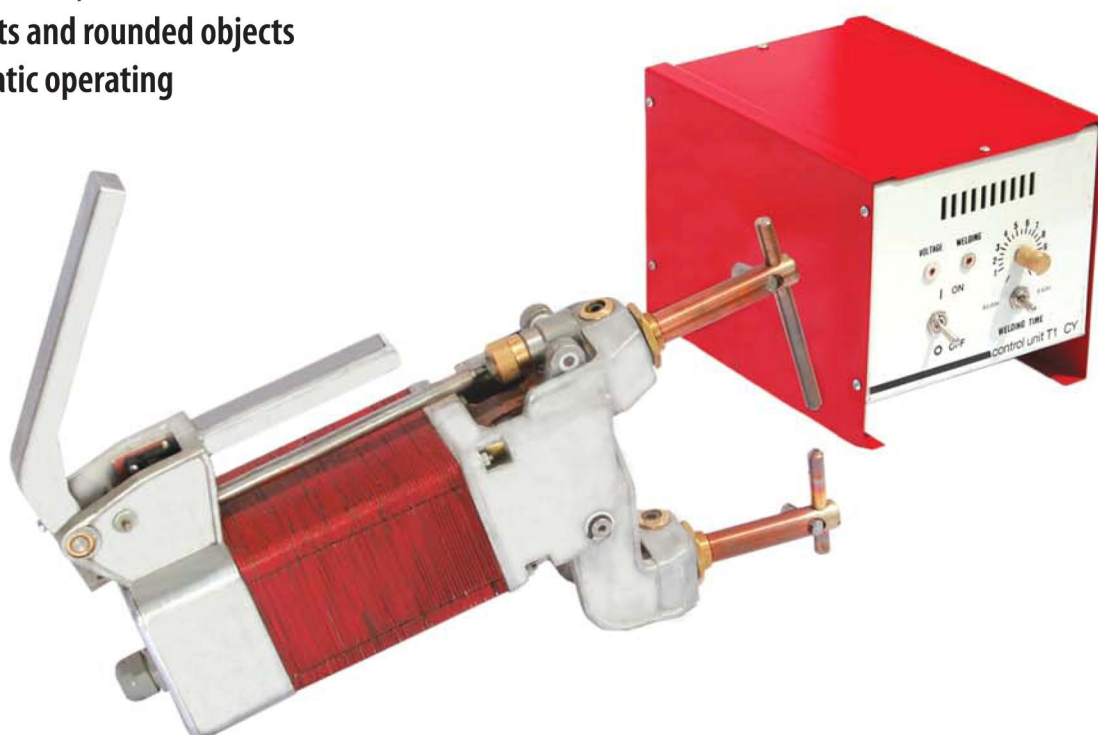


## TYPE E

## Portable resistance welding gun

E-101

- Welding of steel sheets Al, Cu
- Welding of flat sheets and rounded objects
- Manual and pneumatic operating



### TECHNICAL DATA

Type	E-101
Input power $S_{max}$ [kVA]	2
Input voltage $U_1$ [V]	380
Welding current $I_2$ [A]	8600
Duty cycle of max.current [%]	30
No-load voltage $U_{20}$ [V]	2.85
Fatt [mm] Al, Cu, S	2.5+2.5/7+7
Protection	H
Spotts/h 1+1	220
Dimensions [mm]	107x240x360
Weight [kg]	170



# HEATERS

## Industrial heaters

**SM-3 | SM-4 | SM-6 | SM-9**



### TECHNICAL DATA

Type	SM-3	SM-4	SM-6	SM-9
Altogether power [W]	3032	4032	6038	9038
Engine power [W]	32	32	38	38
Power of heater [W]	3x1000	4x1000	6x1000	9x1000
Regulation [kW]	0-1-3	0-2-4	0-3-6	0-5-9
Voltage [V]	230	230	400	400
Current [A]	8.9 / 13.2	8.9 / 17	4.4 / 10.8	6.6 / 13.1
Air fluid [m <sup>3</sup> /h]	190	190	500	500 / 700
Temperature regulation [°C]	40	40	30 / 35	35 / 42
Weight [kg]	5.7	6	6.7	11.5