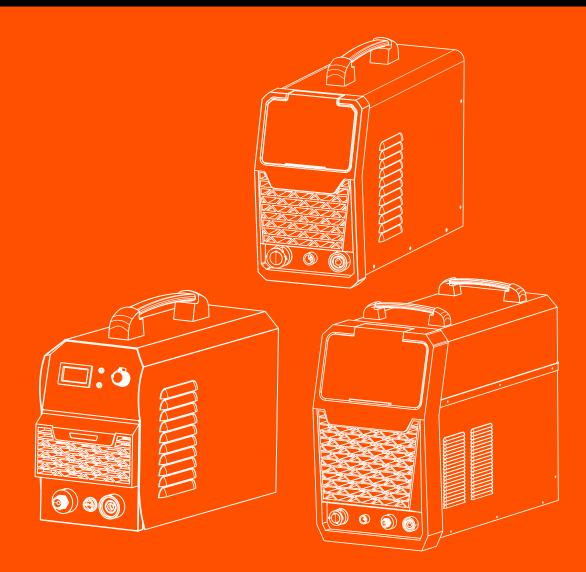


DWCUT SERIES Plasma Cutter



USER'S MANUAL

www.daewoopowerproducts.com

Manufactured under license of Daewoo International Corporation, Korea



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1. USE AND CHARACTERISTIC

Series of inverter welding power source which could be used for MMA welding, air plasma cutting and tig welding, which could be used not only for the welding of carbon steel and low alloy steel, but also the welding of such metals as stainless steel, high alloy steel, copper and titanium. As this series of arc welding power source possesses ideal external characteristics and excellent dynamic characteristics, and it's control function is perfect, it has the following features::

- IGBT high-frequency alternate, efficient, ,light in weight;
- Control and adjusting function is good, one welder serves several purposes, easy to use;
- Support MMA, MIG and CUT 3 in 1
- It's easy to start arc, stability of arc and high welding quality;
- The spatter is little while ARC welding, current stabilization, high reliability, formation of weld is well.
- Digital operation interface, multiple functions, multi-parameter regulation

2. SAFETY PRECAUTION

CENERALLY SAFETY PRECAUTION

• Ensure to follow precautions specified in this manual, or else, an accident may happen.

• The design and construction of input power supply, selection of installation site and use of high pressure gas shall be performed according to the relevant standards and rules.

• Irrelevant personnel are not allowed to enter the welding workplace. Only the qualified personnel can install, overhaul, maintain and operate the welding machine.

• Qualified staff is needed for installation, maintenance and use.

• Make sure the welding machine is not used for other purposes except welding (such as charging, heating and pipeline unfreezing, etc).

• If the ground is uneven, please avoid dumping welding machine.

AVOID ELECTRICAL SHOCK OR BURN

• Touching electric parts is forbidden.

• Ensure to invite professional electrician to ground the welding machine with copper conductor with specific cross section.

• Ensure to invite professional electrician to connect power source in welding machine with copper conductor with specific cross section. The insulating sheath cannot be damaged.

- Ensure to insulate the body and base metal when working in the wet and restricted area.
- Please use safety net when working at heights.
- Please close the input power when not in use.

AVOID WELDING FUME AND GAS DAMAGING HUMAN BODY

• Ensure to use specified exhaust equipment to avoid gas poisoning and suffocation.

• The protective gas will be deposited around the container bottom to cause suffocation. Pay attention to the ventilation.

AVOID WELDING ARC, SPLASH AND WELDING SLAG DAMAGING HUMAN BODY



• Enure to wear protective glasses with enough overshadow. The arc will result in ocular inflammation and the welding splash and slag will burn eyes.

• Ensure to use protective supplies for welding, such as leather protective gloves, caftan, cap, welding spats and apron to avoid welding arc light, welding splash and slag burning skin.

AVOID FIRE, EXPLOSION AND FRACTURE AND OTHER ACCIDENTS

- The welding place cannot have the combustibles because splash and hot weld joint will result in fire.
- The cables and base metal must be connected firmly, or else, it may be heat to result in fire.

• Must not weld in the combustible gas or container with the combustibles, or else, it may result in explosion.

• Ensure to prepare fire extinguisher just in case.

TO PREVENT THE ROTATING MOVING PARTS WOUNDING

• Must not make fingers, hair and clothes close to the cooling fan and wire feed roll and other rotating parts.

• When feeding wire, must not make the welding gun end close to eyes, face and body to avoid wire damaging person.

AVOID FALLING GAS CYLINDER AND BREAKING GAS REGULATOR

• The gas cylinder shall be fixed reliably, or else it may dump to result in human injury.

• Must not put gas cylinder in a place with high temperature or sunshine.

• When opening gas cylinder valve, must not make face close to the gas outlet, or else high-pressure gas may damage person.

• Ensure to use gas regulator provided by the company and follow the use regulations.

PREVENT THE MOVEMENT OF WELDING

• Must not stand under the welding machine and motion direction when moving welding machine with fork lift truck or crane, or else, the welding machine may fall to cause injury.

• The rope sling shall bear enough pull force and cannot be broken when suspending. The angle between rope sling and hook shall be no more than 30°.

3. PRECAUTIONS OF ELECTROMAGNETIC COMPATIBILITY

1. Overview

Welding brings electromagnetic interference.

Minimize the interference emission of arc welding equipment with proper installation way and correct application method.

The products described in the manual belong to Class A equipment (all occasions except residential area powered by public electrical power system).

Warning: Class A equipment is not applicable to residential area powered by public electrical power system. It is difficult to guarantee electromagnetic compatibility because of conduction and radiated interference.

2. Advice of environment assessment

Before installing the arc welding equipment, the user shall evaluate the potential electromagnetic distur-

bance of the surrounding. The considerations are as follows:

• Check surrounding of arc welding equipment for other power cables, control cables, signals and telephone wire.

- · Check for broadcasting and television launching and receiving equipment;
- Check for computer and other controllers;
- Check for high security level equipment, such as industrial protective equipment;
- Consider the health of surrounding staffs, such as staffs with hearing aid and cardiac pacemaker;
- Check for calibrating or detection equipment;
- Pay attention to immunity to interference of other equipment. The user shall make sure that the surround equipment can be compatible. The additional protective measures may be required;

• Welding or other activity time.

The environmental range is decided based on the building structure and possible activities. This range may exceed the boundary of building.

3. Method of reducing radiation emission

• Public power supply system

The arc welding equipment shall be connected into public power supply system with the method recommended by the manufacturer. In case of interference, please take addition preventive measures, such as connecting filter with public power supply system. Ensure to consider power able shielding for fixed arc welding equipment. The power cables can be shielded with the metal pipe or other equivalent methods. Ensure to keep electrical continuity for shielding.

• Maintenance of arc welding equipment

Ensure to perform routine maintenance for arc welding equipment according to the method recommended by the manufacturer. When welding equipment runs, all equipment inlets, auxiliary doors and panels shall be closed and tightened appropriately. The arc welding equipment cannot be changed in any form, unless the relevant change and adjustment are allowed in the manual. The spark gap of arc initiation device and arc stabilizing device shall be adjusted and serviced according to the suggestion of manufacturer.

• Welding cable

The welding cable shall be short as much as possible and close to each other. Moreover, welding cable shall be next to or close to ground cable.

• Equipotential lap

Pay attention to lapping of metal objects in the surrounding. The lapping of metal objects and workpiece will increase job hazard. When the operator touches these metal objects and electrode, he may suffer from electrical shock. The operator shall be insulated from these metal objects.

• Workpiece earthing

The workpiece may be not provided with earthing because of electrical safety or workpiece position, such as hull or building steel frame. When earthing is available for workpiece, radiation emission may be reduced.But it is not always the case. Therefore, we must prevent the increased risk of electric shock of users caused by the workpiece earthing or the damage of other electric equipment. When necessary, some workpiece should be directly earthed, but directly grounding is not allowed in some countries, user can achieve this effect only by selecting the appropriate capacitor according to the regulations of the host countries.



• Shielding

The shielding of surrounding equipment and other cables can reduce the electromagnetic interference. The whole welding area can be shielded for special applications.

4. TECHNICAL DATA

DWCUT-40

Power voltage: 220 V Rated power: 5.5 kVA Rated current: 25 A No-load voltage: 243 V Output current: 20-40 A Rated output voltage: 96 V Max cutting thickness: 20 mm Cyclic duration factor: 40% Efficiency: 70% Insulation grade: F Protection grade: IP21 Arc-start: Contact Weight: 6.9 kg Size: 375 x 155 x 300 mm

DWCUT-60

Power voltage: 380 V Rated power: 9.2 kVA Rated current: 14 A No-load voltage: 256 V Output current adjustment: 20-60 A Rated output voltage: 104 V Max cutting thickness: 20 mm Cyclic duration factor: 60% Efficiency: 70% Insulation grade: F Protection grade: F Protection grade: IP21 Arc-start: Contact Weight: 14.7 kg Size: 535 x 210 x 380 mm

DWCUT-120

Power voltage: 380 V Rated power: 19 kVA Rated current: 29 A No-load voltage: 280 V Output current adjustment: 30-120 A Rated output voltage: 128 V Max cutting thickness: 45 mm Cyclic duration factor: 60% Efficiency: 80% Insulation grade: F Protection grade: F Protection grade: IP21 Arc-start: Contact Weight: 38 kg Size: 690 x 335 x 575 mm

5. INSTALLATION

1. Environment

- Install in a dry environment with humidity less than 90% at 20°C and 50% at 40°C.
- The temperature should be in the range of -10°C -40°C when welding, and -20°C-55°C for storage and transportation.
- Shelter the machine from direct sunshine and rain. Avoid raindrops.
- Avoid using it in an environment with strong air flow when TIG welding.
- The inclination of the welding power is less than 100 the altitude no more than 1000m.
- Avoid using it in a dusty, acid or other corrosive environment.

• The machine should be placed more than 20cm from the wall, and more than 10cm from other welding machines.

2. Requirement of the input power source

- Waveform: standard pure sine wave
- Fluctuation range: 220V or 380V ±15%
- Frequency: 50Hz/60Hz
- 3. Input power

Model	CUT-40	CUT-60	CUT-120
Input power	220 V-50/60Hz	380 V-50/60Hz	380V-50/60Hz
Min. power of power grid	8	12	23
Input protection (Fuse)	40	40	63
Input protection (Circuit breaker)	63	63	63
Cable input	2.5mm ²	2.5mm ²	4mm ²
Cable output	10mm ²	10mm ²	16mm²
Cable ground	2.5mm ²	2.5mm ²	4mm ²

Enlarge the input, output and grounding cable according to the cable length.

Remark: the specifications of fuse and circuit breaker in the table above are only for reference.

4. Installation of the machine

The power supply of this series of products should be single phase AC 220V 50/60Hz. Use a distribution cabinet with an automatic air switch. Ensure safe grounding.

4.1 MMA welding:

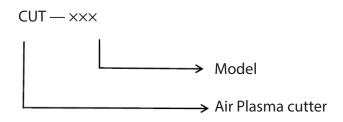
- Connect welding cable to the machine.
- Turn off the machine.
- Connect the input cable to the distribution cabinet, switch on.

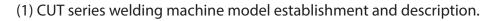
4.2 CUT welding:

- Connect the earth cable to the positive pole, TIG or cut torch to the negative pole.
- Connect the hose to the machine and gas bottle.
- Turn off the machine.
- Connect the input cable to the distribution cabinet, switch on.

6. MODEL ESTABLISHMENT AND ILLUSTRATION

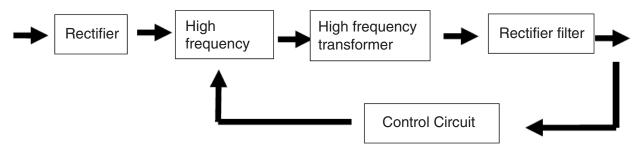
CUT series welding machine model establishment and description as shown in figure





7. BRIEF DESCRIPTION OF THE PRINCIPLE

The schematic diagram of the CUT series welding machine is show figure 2:



(2) Welding machine schematic

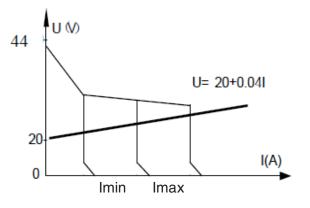
The welding machine adopts IGBT high frequency inverter technology, power frequency 220V or 380V power input, direct rectification and then sent to the inverter composed of IGBT and other components to become high frequency alternating current, high frequency alternating current obtained after inverter is



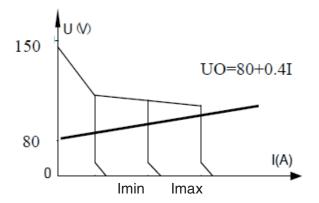
passed through high frequency transformer after the step-down,high frequency rectifier rectifies and filters, the output is suitable for the DC current of the welding. Through this process, the dynamic response of the welder is improved, the volume and weight of the transformer and the reactor are reduced, and the efficiency of the whole machine is improved.

The design of the control circuit enables the welder to always achieve good welding process performance when external conditions change(such as grid voltage fluctuations and different output cable lengths). It is easy to arc,the are is stable,the weld is well formed,and the welding current can be continuously adjusted.

CUT series welding machine output characteristics such as shown in figure 3:



(3a)MMA welding output characteristics



(3b)CUT welding output characteristics

MMA/CUT welding output characteristics: Drooping characteristics.

8. OPERATION AND INSTRUCTION

1. Function

1.1 Welding machine front panel

As shown in table 4, control panel is used for selecting functions and setting data of welding machine. Control panel including digital display, adjusting knobs, selection keys and LED indicator lights.

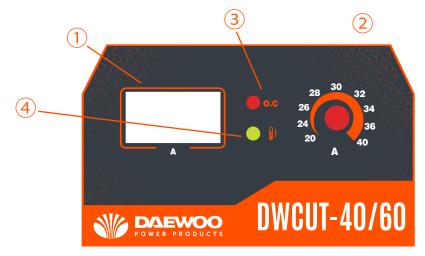
1.1.1 CUT-40/60 Functions selection and data setting.

1 Displayer: Display the current value.

2 Current: Adjust welding current.

③ O.C indicator light: Send signals of machine over current. Over current: there may be some compo-

nents broken. Be cautious restart the machine after checking. If misjudge, please just restart the machine. ④ Over heat indicator light: Over heat: machine is protected from over temperature, leave the machine unloaded, after cooling it can work as usual.



1.1.2 CUT-120 Functions selection and data setting.

① Displayer:Display the current value.

② Current: Adjust welding current.

③ O.C indicator light: Send signals of machine over current.

Over current: there may be some components broken. Be cautious restart the machine after checking. If misjudge, please just restart the machine.

④ Work indicator light: When there is output, the work indicator light is on, otherwise it is not.

(5) 2T/4T change-over switch: Under 2T operation, the machine starts working after pressing the switch of torch, the machine stops welding when releasing the switch.

Under 4T operation, press the switch for the first time, it gives machine start-arc current, release the switch, current begins climbing to the normal welding current. Press the switch again after the welding is finished, release the switch, machine stops working.

6 Normal cutting / Reticular cutting change-over switch: Normal cutting: pilot arc keeps 5 seconds and then break automatically; applied to flat ad seamless plate cutting.

Reticular cutting: pilot arc is always on; applied to plate cutting witch big gap and gap density, such as reticular material

 \bigcirc Gas testing/ Work change-over switch: Gas testing: check the gas loop works well or not.

Work: machine is in working condition.

(8) Air pressure regulator: Pressure meter and pressure regulator.







2. Installation instruction

Note:Please strictly follow below steps to install and debug!

Before electrical connect operation the user has to turn off the power switch of the distribution panel! This equipment protection level is IP21, avoid using in rain!

• Connect the welding input power wire to the corresponding voltage level and \geq 60A circuit breaker (connect the power wire \geq 4²);

• The input power wire should be in good contact with the correspond power terminal or switch ,to prevent oxidation

• Use a multimeter to measure whether the input voltage is in the fluctuation range;

• Connect the yellow-green wire on the power cable and the grounding screw on the rear panel to $\geq 4^2$ wire and ground well.

• If the welder is placed on an inclined plane, the welder should be secured so that it does not slip

• Each welder is equipped with an insulated handle, which can be lifted by hand when moving the welder. 2.1 MMA welding

• DC EP: Cathode connect with work piece ("-") welding torch connect with anode ("+")

• DC EN: Anode connect with work piece ("+") cathode connect with TIG torch ("-")

The operator can according the base metal and electrode material choose the connection method, Generally, the alkaline electrode is recommended to use DC reverse connection method. Acid welding electrode are not specified.

Electrode diameter (mm)	Recommended welding current (A)	Recommended welding voltage (V)
1.0	20-60	20.8-22.4
1.6	44-84	21.76-23.36
2.0	60-100	22.4-24.0
2.5	80-120	23.2-24.8
3.2	108-148	23.32-24.92
4.0	140-180	24.6-27.2

Quick check list of welding process (Only for reference)

Note: this table is suitable for low carbon steel welding, other materials can refer to the relevant materials and process manual.

2.2 CUT welding

• Connect the gas hose to the air inlet on the back of the machine and the air outlet of the air compressor, then tighten the interface with hose hoops or other fittings.

Make sure the air compressor can offer the appropriate pressure and enough air flow and the air is dry. If your existing air compressor can not meet the above requirement, you should consider using air compressor and pressure reducing filter with sufficient power to offer qualified pressure and filter out the impurities and water.

 \bullet Connect the torch gas-electric connector and torch switch to the appropriate connectors and tighten clockwise_

• Connect the earth clamp to Anode output socket.

• Arc-striking by contacting:Touch work piece and press the torch switch button to start an arc, when the current rises to the preset value, start welding.

• Arc-striking without contacting:Keep distance between cutting torch and work piece for 2-3mm, press the torch button and strike the arc. when the current rises to the preset value, start welding.

2.2.1 The installation and operation of the air pressure under CUT mode

① Twine the copper-made air tap with sealing tape and tighten on the end of IN and OUT.

2 Twine the regulator connector with sealing tape and tighten it on its mounting position

③ Fix the linker by nut on the air pressure mounting position on the back panel of the machine as the picture shown.

④ Screw the plastic nut to fix the air pressure on the linker as the picture shown

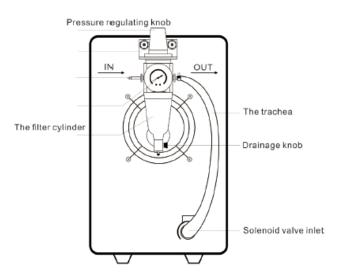
5 Turn on the air pressure, lift the regulating knob upward, regulate it to required pressure value(Turn

toward "+" to increase the pressure, turn toward "-" to decrease the pressure)

6 Regulate the pressure to 0.4Mpa.

⑦ Once the filter cylinder spill over, turn on the drainage knob and discharge the water.(in case of power outage)





Keep the pressure 0.3-0.4Mpa; bigger current, thicker metal plate , increase the pressure appropriately. Small cutting current and too big air flow leads to arc breaking due to the strong cooling effect. The size of electrode and cutting tip should match the cutting current well. Matching relation between cutting current and cutting tip as shown in the table below:

Current	10-30	30-50	50-100	100-160
Cutting tip size	Φ1.0mm	Φ1.2mm	Φ1.3mm	Φ1.4mm



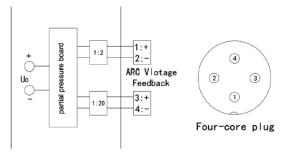
Current matches pressure to reduce the consumption of cutting tip and nozzle and the waste of material

Pressure 40(psi)	recommended cutting thickness is 1-6mm
Pressure 50(psi)	recommended cutting thickness is 6-10mm
Pressure 60(psi)	recommended cutting thickness is 10-20mm
Pressure above 60(psi)	recommended cutting thickness is more than 20mm

The cutting thickness of stainless steel and aluminum is half of normal material

2.2.2 CNC interface(CUT-120):

Two ways of arc voltage feedback, the voltage between Pin 1 and 2 is 150V(1:2), Pin 3 and 4 is 20V (1:20). Please choose a voltage value according to your CNC equipment, as shown below.



9. WELDING MACHINE PRECAUTIONS AND MAINTENANCE

1. Safety points

The welding machine is quipped with over current and overheat protection circuits. When the gird voltage,output current and internal temperature exceed the set standard the welding machine will automatically stop working,but excessive use(such as excessive voltage) will still lead to welding, The machine is damaged, so you still need to pay attention to the following:

• Make sure the ventilation is good!

When the machine is in operation, a large working current passes, natural ventilation can not meet the cooling requirements of the welder, so a fan is installed to effectively cool the welder to make it work smoothly. The user should confirm that the ventilation area is not covered or blocked, and the distance from the surrounding objects should be no less than 0.3 meters. Users should always pay attention to maintain good ventilation. which is very important for better working of the welding machine and guaranteeing longer service life of.

• It is forbidden to overload!

The user should pay attention to the use of the welder according to the allowable load duration of the welder(refer to the welder nameplate parameters) to keep the welding current not exceeding the maximum allowable load current Current overload will significantly shorten the life of the welder and may even burn the welder.Load continuation rate:that is the current welding time under the load continuation rate,10 minutes is a cycle,working time+rest time=10 minutes;For example,30%,200 A/28 V,that is the output current 200 A state,should work for 3 minutes.Rest for 7 minutes;60%,141 A/25.6 V,in the state of output current 141 A,should work for 5 minutes,rest for 4 minutes.

Current overload will significantly shorten the life of the welder

• Forbidden voltage too high!

The power supply voltage is listed in the "main performance parameters" table. In general, the automatic voltage compensation circuit in the welding machine will ensure that the welding current remains within the allowable range. If the power supply voltage exceeds the allowable value, it will damage the welder. The user should fully understand this situation and take corresponding preventive measures.

• It is forbidden to use the welding machine for thawing pipes.

• The back of each welding machine is attached with a ground screw, and marked with a ground mark. Before use, select a cable with a section greater than 2.5mm2 and ground the welding machine shell reliably to release static electricity or prevent accidents that may occur due to electricity leakage.

• If the welding machine exceeds the standard load duration, the welding machine may suddenly enter the protection state and stop working, which means that the welding machine exceeds the standard load duration. If the temperature is too high, the temperature control switch will be triggered and the welding



machine will stop working. Meanwhile, the yellow indicator light on the front panel will be on. In this case, you do not need to unplug the power supply so that the cooling fan can continue working to cool the welder. When the yellow indicator light is off, the temperature drops to the standard range and the welding can be resumed.

2. Maintenance

/WARNING: All maintenance, service and cleaning work must be performed with power removed. Make sure you have unplugged the power cord before opening the casing.

Dedust regularly. Use dry, clean compressed air to clean up the system. Dedust every day when operating in smoky conditions or severely polluted air.

• The compressed air should be delivered at the required pressure to avoid the destruction of the internal components.

• Check the internal contact areas to insure a tight connection (especially the plug-in joints or components) and reinforce the loose contact. If any rusting or oxidation occurs, use sandpaper to remove the oxide film and reconnect.

• Avoid water and moisture penetration. If this situation happens, apply a drying treatment to the inside of the welder and then start a megger insulation test which should include the insulation between connection joints as well as joints and casing. The welding operation could be continued only if no error detected.

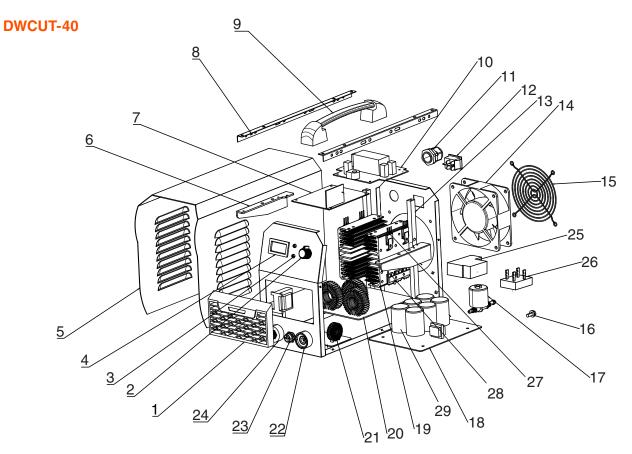
• If the welder is not used for a long period of time, seal it in the original packaging and store in dry condition.

3. Before maintenance

WARNING: Blind experiments and imprudent overhaul could lead to the expansion of failure, and difficulty for a formal maintenance. Electronic equipment in the state of the exposed part of a voltage can lead to dangers. any direct or indirect contacts may lead to electric shocks incidents and serious electric shock will cause death!!!

ATTENTION: During the warranty period, if not allowed by this Company, if there is any wrong maintenance to any fault of the welding power source, the suppliers will not provide free repairs.

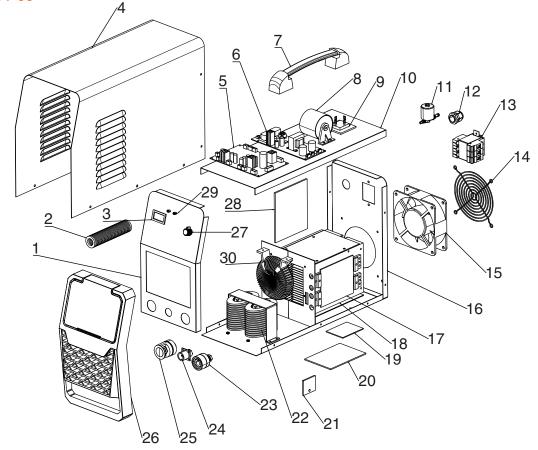
10. EXPLODED VIEW



NO .	Description	Qty	NO .	Description	Qty
1	Plastic vents	1	16	Grounding screw	1
2	Knob	1	17	Solenoid valve	1
3	Indicator light	2	18	Capacitor board	1
4	Display meter	1	19	Heat sinker	4
5	Cover	1	20	Rectifier board	1
6	Control board holder	2	21	HF board	1
7	Control board	1	22	Quick socket	1
8	Brace	2	23	Aviation socket	1
9	Handle	1	24	Gas-electric connector	1
10	Inverter board	1	25	Relay	1
11	Cable connector	1	26	Rectifier bridge	1
12	Switch on/off	1	27	IGBT Tube	4
13	Vertical beam	4	28	Rectifier tube	4
14	Fan	1	29	Capacitor	6
15	Fan net	1			

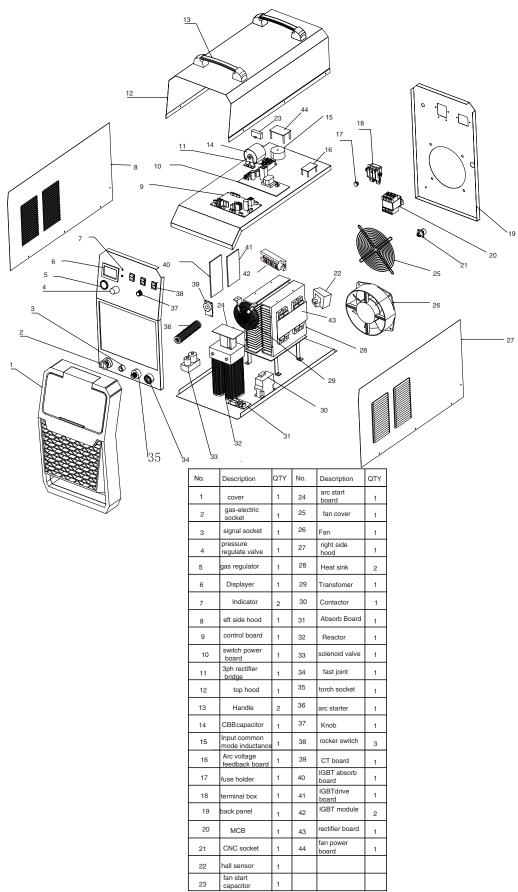


DWCUT-60



No	Description	QTY	NO.	Description	QTY
1	Front Panel	1	16	Case back	1
2	arc starter	1	17	rectifier board	1
3	Displayer	1	18	Heat sink	2
4	cover	1	19	arc start power board	1
5	control board	1	20	arc start board	1
6	switch power board	1	21	port absorb board	1
7	Handle	1	22	reactor	1
8	CBB Capacitor	1	23	joint socket	1
9	Rectifier bridge	1	24	signal socket	1
10	partition	1	25	Gas electric connector	1
11	solenoid valve	1	26	plastic cover	1
12	cable gland	1	27	Knob	1
13	МСВ	1	28	inverter board	1
14	Fan cover	1	29	indicator	2
15	Fan	1	30	Transformer	1

DWCUT-120



EC DECLARATION OF CONFORMITY

Model Name: Plasma Cutter Model Code: DWCUT-40; DWCUT-60; DWCUT-120 Brand: DAEWOO

We GBR Corp. LTD, Room 1002, 10/F., David House, 8-20 Nanking Street, Jordan, Kowloon, Hong Kong, China, declare under our sole responsibility that this product is in conformity and accordance with the following standards and regulations.

The undersigned is responsible for the compilation of technical documentation.

Satisfies the requirement of the Council Directives: Low Voltage Directive 2014/35/EU; Electromagnetic Compatibility Directive 2014/30/EUEN 60974-10:2014+A1:2015,EN 55011:2016+A11:2020,EN 61000-3-11:2000,EN 61000-3-12:2011, EN IEC 60974-1:2018+A1:20197)

and conforms to the norms: BS EN ISO/IEC 17065:2012

Signature and Stamp on undersigned responsible.

Date: April 5th, 2023



WARRANTY CARD

Product model	Date of sale
Serial number	Company
Username	Client's signature

The product is in good conditions and fully complete. Read and agree the terms of the warranty.

GUARANTEE

The warranty period starts from the date of sale of the products and covers 1 year for all power products.

During the warranty period, free failures caused due to the use of poor-quality materials in the production and manufacturer workmanship admitted fault are removed. The guarantee comes into force only when warranty card and cutting coupons are properly filled. The product is accepted for repair in its pure form and full completeness.

WARRANTY DOES NOT COVER

 Mechanical damage (cracks, chips, etc.) and damage caused by exposure to aggressive media, foreign objects inside the unit and air vents, as well as for damage occurred as a result of improper storage (corrosion of metal parts);

· Failures caused by overloading or product misuse, use of the product for other purposes. A sure sign of overload products is melting or discoloration of parts due to the high temperature, simultaneous failure of two or more nodes, teaser on the surfaces of the cylinder and the piston or destruction of piston rings. Also, the warranty does not cover failure of the automatic voltage regulator due to incorrect operation;

· Failure caused by clogging of the fuel and cooling systems;

· Wearing parts (carbon brushes, belts, rubber seals, oil seals, shock absorbers, springs, clutches, spark plugs, mufflers, nozzles, pulleys, guide rollers, cables, recoil

starter, chucks, collets, removable batteries, filters and safety elements, grease, removable devices, equipment, knives, drills, etc.);

Electrical cables with mechanical and thermal damage;

- · Product opened or repaired by a non-authorized service center.
- Prevention, care products (cleaning, washing, lubrication, etc.), installation and configuration of the product;
- Natural wear products (production share);

Т

- · Failures caused by using the product for the needs related to business activities;
- If the warranty card is empty or missing seal (stamp) of the Seller;
- The absence of the holder's signature on the warranty card.

DAEWOO	DAEWOO	DAEWOO
Product	Product	Product
Model	Model	^O Model
Company	Company	Company
Date of sale	Date of sale	Date of sale

