

AT3

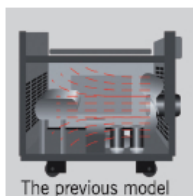
IGBT-controlled DC Arc Welding Machines

The high-reliable multi-functional model adaptable to rigorous environments!

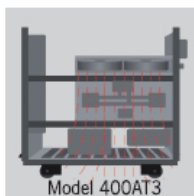
The high-reliable DC arc welding power unit with the enclosure protection grade IP23!

Excellent dustproof and drop-proof

The enclosure protection is upto IP23. The fan is improved to the design of positioning at the top and blowing downwards from the design of positioning at the rear and blowing forwards, which effectively minimizes ingress of dust and rain drops and improves the service life of the fan.



The previous model



Model 400AT3

Excellent 3-layer and 4-chamber design

The main power components, PC Board, switch, potentiometer and so on are built in 2 hermetic chambers, which effectively prevents from ingress of dust. The intake port is positioned at the top layer, which highly improve the efficiency of heat emission.

The high-temperature resistant design

This model can work at the ambient temperature as high as 50°C and therefore is very adaptable to the high-temperature environment in field.

The elaborate model that can meet the working demand and provides multiple functions!

All of models in Series AT3 have the functions of manual welding and simple TIG. In addition, the special model for using the cellulose welding rod is available.



The combined power unit comprised of multiple power units can be used in many industries such as ship-building and petrochemical industries.

The force current is adjustable freely up to 220A.

In case the welding rod is stuck in welding, adjust the force current.

As the arc transfer form depends on the types of welding rods, adjusting up the output current by an appropriate value at the moment of short circuit caused by molten drops can effectively improve the welding performance.

The argon-arc welding with touch starting uses the unique control technology to automatically cause arc starting at low current to avoid burning of the tungsten electrode.

DC Simple TIG

DC Manual



Manual welding/ simple TIG



Manual welding/simple TIG/ cellulose welding rod



Manual welding/ simple TIG

Specifications

Model		YD-400AT3
Control mode	-	IGBT inverter mode
Input power frequency	Hz	50/60
Rated input capacity	kVA/kW	17.6/16.7
Rated output current	A	400
Rated output voltage	V	36
Rated duty cycles	%	60
Rated output voltage at no load	V	71
Output current range	A	20~410
Thrust current	A	Max. 220
Starting current	A	Max. 150
Enclosure protection grade	-	IP23
Insulation class	-	Grade H (Grade B for the main transformer)
Cooling mode	-	Forced air cooling
Starting mode for TIG	-	Touch starting
Dimensions (W x D x H)	mm	327x560x602
Mass	kg	43

It is designed to provide the function of protection from electric shock as the means for safe working high above the ground and in damp environments.

The extended cable having the length up to 100m(300A,60mm²) makes it possible to work high above the ground or at a distance.

It can be used for welding by using various acidic, basic, stainless-steel and low-hydrogen welding rods.

The allowable fluctuation of input voltage is as high as $\pm 20\%$.

Two remote controls are provided: the wireless remote control and the wired remote control.

The wireless water-carrier remote controller TSM99520

Controlled with the micro-computer, it transfers the remote control signal via the electrode holder wire without the control cable.

The digital display on the panel is easy to read and set distance up.

The remote control distance is more than 200m you can easily adjust the welding current so that and force current at hand.

The changeover between argon-arc welding and manual welding is allowable.

The magnetic baseplate, which is concurrently used as the electrode, is adhered to the base metal by means of its magnetism, both preventing from dropping and facilitating operation.



The wired remote controller

Model: TSM93067

Function: Remotely adjust the welding current and force current

The cable with a custom length is available.

