

The World's Most Preferred and Reliable  
400 Amps IGBT Inverter DC Arc Welding System



## Key Features of 400 AT3



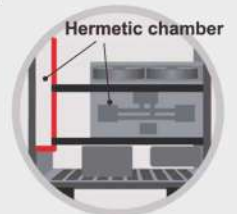
- IP 23 Protection class makes this machine suitable for indoor and outdoor application
- High Ambient Temperature resistance up to 50°C – ideal for Indian atmospheric conditions.
- Allowable Input Voltage Fluctuation range up to +/- 20%.
- Output Cable extendable to 100 meters.
- Double fan available for increased cooling efficiency.
- Compatibility with DG Sets.
- TIG Welding is possible with scratch start.
- Suitable for all kind of acidic, basic, stainless steel and low hydrogen alloy electrodes.
- Unique design of three layer and four cabinet dust-free structure for safety of electronic components.
- Stacking of machines is possible.
- Wheels provided for better mobilization.

## Important Safety Features

- Electric shock prevention (Built in VRD less than 13 Volt DC) to protect the operator while working in moist, upper Air or in metal container & congested areas.
- Over-voltage and under-voltage protection.
- Overheating protection.
- Single-phasing protection.

### Unique design of triple-tier and four cabinet:

The main power components, PC board, switch, potentiometer are built in two Hermetic Chambers, which effectively prevents ingress of dust. The Intake Port is positioned at the top layer, which improves the efficiency of heat emission and also protects the electronic parts from getting damaged due to dust.



Others



400AT3

## World-Class Welding Quality at Your Doorstep



- Panasonic Welding Systems India has set-up its state-of-the-art manufacturing facility in Jhajjar, Haryana, India. So our globally proven range of welding equipment including MMAW, MIG/MAG, TIG, Plasma Cutting, Welding Accessories, and Welding Robots are now available at your doorstep.
- Assured commitment to long-term product support in terms of Sales, Service and Spares.
- All-India Sales and Service network.

**Ideal for diverse industries:** Civil/Project Construction | General Fabrication | Automotive | Shipbuilding & Offshore Energy | Repair & Maintenance | Railways | Process Industry | Heavy Construction Equipment

### Technical Specifications

Technical Specifications	Units	400AT3
<b>INPUT</b>		
Rated Input voltage	Volts	415, ±20%
Phase/Freq.	No./Hz	3ph/50-60
Max Input KVA @ 415 Vac		
60% Duty Cycle	KVA/KW	17.6/16.7
<b>OUTPUT</b>		
Rated Current Range	Amps	20-410
Rated Output Voltage	Volts	36 (MMAW) / 26 (Scratch TIG)
Voltage Reduction Device (VRD)		< 13V DC
Welding Current (40 C)		
@60% Duty Cycle	Amps	400
@100% Duty Cycle	Amps	310
<b>GENERAL</b>		
Conformance to International Standards		All machines are manufactured as per std. IEC 60974-1:2000/GB 15579.1:2004
Power Control Method		IGBT Inverter Controlled
Digital Display		4 Digit, 7 segment LED Display
Hot Start & Arc Force		Adjustable from Front Panel
Ingress Protection	Class	IP 23
Insulation	Class	H
Cooling	Type	Forced Air Cooling
Power Factor		> 0.9
Operating Temperature	°C	-10 to 50
Air Carbon arc Gouging	mm	-
Dimensions (LxBxH)	mm	550 x 330 x 600
Weight	Kg	43
<b>Ordering Information</b>		<b>Model No.</b>
Power Source (with Amp Meter)		YD-400AT3DJR
Power Source (with Amp & Volt Meter)		YD-400AT3DJG
Power Source (Cellulosic Electrode)		YD-400AT3DJE
Remote Controller (Optional)		TSM93067

# Panasonic

**Range of Welding Equipment:** MMAW | MIG/MAG | TIG | Plasma Cutting | Welding Accessories | Welding Robots  
**Panasonic has set-up its own state-of-the-art welding equipment manufacturing facility at Jhajjar near Gurgaon, Haryana, India.**

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[www.panasonic.com/in/welding](http://www.panasonic.com/in/welding)