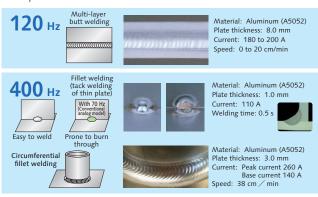
Welding performance to achieve high-quality welding 30 Hz to 400 Hz AC output control changes aluminum welding

Users can easily reproduce the skills of experts through flexible arc control.

- Difficult fillet welding becomes easy. A filler wire can also be easily inserted.
- ■Increased arc convergence prevents burn through and facilitates tack welding.
- * 500BP4: The maximum AC frequency is 400 Hz or less at an output current of 300 A or more.



2 Expert mode designed to enhance the skills of experts

In TIG welding, users can select modes with constant current and drooping characteristics.

Handy and easy-to-use operation Welding Navigation facilitates the setting of welding conditions

Extensive database holds more than 100 welding conditions. Customized and original welding conditions can be created.



; Soobi 4 operation pai

Specifications

■ Welding power source

Model number				YC-300BP4	YC-500BP4		
Rated input voltage				200 to 220 AC (allowable fluctuation range: 180 to 242)			
Number of phases, rated frequency			_	3-phase, 50/60 Hz			
Rated input			_	11.4 kVA(9.7 kW)	17.3 kVA (16.5 kW)		
Maximum open circuit voltage			V	78 DC	81 DC		
Rated duty cycle*1			%	40	60		
	DC TIG			4 to 300	5 to 500		
Output current adjustment range	AC TIG	Standard		10 to 300	20 to 500		
		Hard		20 to 300	20 to 500		
		Soft		10 to 200	20 to 330		
		SP*4	Α	10 to 200	_		
	Mix TIG			10 to 300	20 to 500		
	DC manual welding			4 to 250	10 to 400		
	Expert DC TIG			4 to 300	5 to 500		
	Expert AC TIG			10 to 300	20 to 500		
Control method			_	IGBT inverter type			
Memory functions			_	50-channel storage and reproduction			
Applicable welding process			_	DC TIG, AC TIG, Mix TIG, DC manual welding			
Applicable shielding gas			_	Ar: 100 %			
Up-slope time			S	0.0 to 10.0			
Down-slope time			S	0.0 to 10.0			
Pre-flow time			S	0.0 to 30.0			
Post-flow time			S	0.0 to 30.0			
Arc spot time			S	0.1 to 5.0			
AC frequency			Hz	30 to 400 (Standard: 70, SP*4:30 to 200)	30 to max 400 (Standard: 70)*2		
Mix frequency			Hz	0.1 to 20.0 (Standard: 1.0)			
Pulse DC TIG*4				0.1 to 1 000	04. 500		
			Hz	0.1 to 500	0.1 to 500		
frequency	DC manual welding*4			5 to 500	=		
Input power supply terminal			_	Terminal block (M5 bolt fixing)			
Output terminal			_	Dinse terminal	Copper plate termina(with M8 bolt)		
External dimensions(width x depth x height)*3			mm	375×538×534	378×543×896		
Mass			kø	51	82		

^{*1:}The duty cycle is based on JIS.

■ Welding torches

Model number	Rated current (A)		Duty cycle	Cable length	Cooling	Remarks
	DC	AC	(%)*1	(m)	method	Remarks
YT-20TS2TAG	200	140	35	4	Air-cooled	For 300BP4
YT-20TS2TAH	200	140	35	8	Air-cooled	For 300BP4
YT-30TS2	300	210	20	4	Air-cooled	For 500BP4
YT-30TS2C1	300	210	20	8	Air-cooled	For 500BP4
YT-30TS2TAG	300	210	20	4	Air-cooled	For 300BP4
YT-30TS2TAH	300	210	20	8	Air-cooled	For 300BP4
YT-30TSW2	300	210	100	4	Water-cooled	For 500BP4
YT-30TSW2C1	300	210	100	8	Water-cooled	For 500BP4
YT-30TSW2TAG	300	210	100	4	Water-cooled	For 300BP4
YT-30TSW2TAH	300	210	100	8	Water-cooled	For 300BP4
YT-50TSW2	500	350	100	4	Water-cooled	For 500BP4
YT-50TSW2C1	500	350	100	8	Water-cooled	For 500BP4

^{*1:}The duty cycle is based on JIS.

^{*2:}The maximum frequency varies depending on the current value set.

^{*3:}The depth dimension does not include the input power supply terminal cover on the rear panel.

^{*4:} Compatible with software version V3.00 or later.
*With a 3 m long gas hose

^{*}TAG/TAH: Dinse terminal type