

Welbee Buyers Guide Comparison Chart

Welbee Model	M350	M350L	M500	P400	P500L	W400	A350P	F300P
OTC DAIHEN								
Type of Power Source	DC (Inverter)	DC (Inverter)	DC (Inverter)	DC (Inverter)	DC (Inverter)	AC & DC (Inverter)	AC & DC (Inverter)	DC (Inverter)
Type of Output	DC-CV, DC-CC	DC-CV, DC Low Spatter	DC-CV, DC-CC	DC-CV, DC-Pulse, DC-Wave Pulse, DC-CC	DC-CV, DC-Pulse, DC-Wave Pulse, DC-Low Spatter, DC-CC	AC-Pulse, AC-Wave Pulse, DC-Pulse, DC-Wave Pulse, DC-CC	DC, DC-Pulse, AC, AC-Pulse, AC+DC Hybrid	DC-CC, DC-Pulse-CC
Wire feed Options	External	External	External	External	External	External	Opt. (External)	Opt. (External)
Wire Feed Speed Range	20-705	20-705	20-705	20-705	20-705	20-705	5-200	5-200
Running Gear	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Std
Brazing				X	X	X	X	
FCAW	X	X	X	X	X			
GMAW	X	X	X	X	X			
GMAW - Low Spatter		X			X			
GMAW-DCP				X	X	X		
GMAW-DCWP				X	X	X		
GMAW-ACP						X		
GMAW-ACWP						X		
Spot	X	X	X	X	X	X	X	
GTAW-DC	X	X	X	X	X	X	X	
GTAW-AC							X	
GTAW-P							X	
GTAW-AC+DC							X	
PAW								X
SMAW	X	X	X	X	X		X	
Welbee Model	M350	M350L	M500	P400	P500L	W400	A350P	F300P

Processes

Welbee Model		M350		M350L		M500		P400		P500L		W400		A350P		F300P	
Base Metal / Filler Metal	Aluminum-Hard	X		X		X		X		X		X		X		X	
	Aluminum - Soft	X		X		X		X		X		X		X		X	
	Aluminum - Bronze							X		X		X		X		X	
	Inconel							X		X		X		X		X	
	Silicon Bronze							X		X		X		X		a	
	Stainless- 300	X		X		X		X		X		X		X		X	
	Stainless - 300 Cored	X		X		X		X		X							
	Stainless - Ferritic			X				X		X		X		X		X	
	Steel - solid wire	X		X		X		X		X		X		X		X	
	Steel - Cored	X		X		X		X		X							
	Titanium								X						X		X
Output Rating	Amps	30 -250	30 - 350	30 -250	30 - 350	30 - 500	30-250	30-200	30-400	30-400	30 - 500	30 - 400	20 - 400	20 - 400	1.0 - 380	1.0 - 380	0.5 - 300
	Volts	12-26.5	12-31	12-26.5	12-31	12-39	12-30	12-24	12-34	12-34	12 - 39	12 - 39	10-40	10-40	10-24	10-24	10 - 37
	100% Duty Cycle	194	271	194	271	500	194	126	310	283	387	350	300	283	270 (AC)	300 (DC)	300
	Duty Cycle @ Rated Output	60%	60%	60%	60%	100%	60%	40%	60%	50%	60% (DC)	80% (DC-P)	60% (DC)	40% (Pulse)	40%	40%	100%
Input Rating	Volts (Min/Max)	208/460		208/460		460	208/460			460	460		460	460	460		
	Phase	1	3	1	3	3	1	1	3	3	3	3		3	3		
	Hz	50/60		50/60		50/60	50/60			50/60	50/60	50/60	50/60	50/60	50/60		
Welbee Model		M350		M350L		M500		P400		P500L		W400		A350P		F300P	

Key to the Welbee Series Power Sources

M - DC mode in GMAW (Mig).

P - DC-Pulse and DC-Wave Pulse (and DC) modes in GMAW (Mig). Pulse modes in GTAW (Tig) on the A350P.

W - DC-Pulse, DC-Wave Pulse, AC-Pulse and AC- Wave Pulse Modes in GMAW.

A - DC, DC-Pulse, AC-Pulse and AC+DC Hybrid Modes in GTAW (TIG) along with AC and DC SMAW (Stick) modes.

F - Plasma Arc Welding, DC or DC Pulse Modes.

XYZ - Rated maximum amperage that the unit will produce with 3 phase power.

L - Low Spatter mode in GMAW (Mig).

P500L **P** - Plasma Arc Welding, DC or DC Pulse Modes
500 - 500 amps maximum
L - Low Spatter Mode