

CC/CV WELDERS

Model		MCT 250	MCT 300	MCT 400	MCT 500	MCT 600
POWER SOURCE						
Input Supply		415 v ± 10% AC 3ø,50/60Hz	415 v ± 10% AC 3ø,50/60Hz	415 v ± 10% AC 3ø,50/60Hz	415 v ± 10% AC 3ø,50/60Hz	415 v ± 10% AC 3ø,50/60Hz
Rated Power KVA		10	14	18	24	34
Open circuit Voltage	CC CV	(75 - 85) (0 - 44)	(75/85) (0 - 44)	(75 - 85) (0 - 55)	(75 - 85) (0 - 60)	(75 - 85) (0 - 60)
Regulation Field	CC CV	(10 - 250) (25 - 250)	(10 - 300) (30 - 300)	(10 - 400) (40 - 400)	(10 - 500) (50 - 500)	(10 - 600) (60 - 600)
Max continuous hand welding Current						
a) 60% duty cycle (CC/CV)		250/250	300/300	400/400	500/500	600/600
b) 100% duty cycle (CC/CV)		180/180	230/230	310/310	400/400	500/500
Type of Welding Voltage & current control		Stepless with remote controller				
Insulation		Class H	Class H	Class H	Class H	Class H
Protection Class		IP 22-23	IP 22-23	IP 22-23	IP 22-23	IP 22-23
Overload protection		Thermal	Thermal	Thermal	Thermal	Thermal
Hot Start		IN-BUILT	IN-BUILT	IN-BUILT	IN-BUILT	IN-BUILT
Anti Sticking		IN-BUILT	IN-BUILT	IN-BUILT	IN-BUILT	IN-BUILT
Arc Force		IN-BUILT	IN-BUILT	IN-BUILT	IN-BUILT	IN-BUILT
Cooling		Forced Air	Forced Air	Forced Air	Forced Air	Forced Air
WIRE FEEDER UNIT						
Wire feed Speed		0 - 15 Mtr/Min	0-15 Mtr/Min	0-24 Mtr/Min	0-24 Mtr/Min	0-24 Mtr/Min
Feed Mechanism		2 roll quick release & quick change over		4 roll quick release & quick change over		
Drive System		Totally enclosed servo motors maintenance free				
Weight (without Spool)		5 Kg	5 Kg	8 Kg	8 Kg	8 Kg
Torch						
Max. Current Rating		250 A at 60% duty cycle with CO ₂ gas shielding	300 A at 60% duty cycle with CO ₂ gas shielding	400 A at 60% duty cycle with CO ₂ gas shielding	500 A at 60% duty cycle with CO ₂ gas shielding	600 A at 60% duty cycle with CO ₂ gas shielding
Wire diameter (mm)		0.8/1.2	0.8/1.2	0.8/1.2/1.6	0.8/1.2/1.6/2.0	0.8/1.2/1.6/2.0/2.4