

Ehave CM 500H / 500 / 400 / 350 / 250

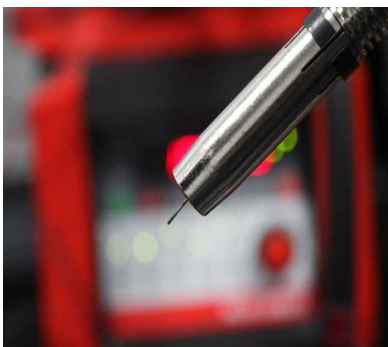
Heavy-duty CO₂/MAG/MMA Intelligent Welding Machine



- First-choice for harsh and heavy-duty working environment
- Extensively used in various industries with carbon steel welding: railway, automotive parts, shipbuilding, steel construction, shipping container manufacturing, furniture production, metal fabrication, etc.

Features:

- Stabilized welding arc and low spatter at all output range. It is suitable for both root welding at low current and filling welding of high deposition efficiency at high current.
- Strong penetration with concentrated welding arc. Heat input is lowered by 20% with smaller heat deformation for the same depth of penetration.
- Outstanding performance in gap-filling welding with low sensitivity to wire stick-out; suitable for various welding positions and unskilled welders.
- Dynamic droplet inspection and micro-control technology, which cuts output power immediately after the last metal transfer. The wire tip will be cleared to reduce time for ball-cleaning at situations of high quality welding. Better production efficiency can be ensured thanks to the higher success ratio of one-time ignition.
- Direct achievement of locking-up with a password, multiple welding parameters, even extended functions thru the hot keys on the front panel, without any necessity and extra cost of additional equipment.
- Default set of 10 welding parameters for both saving and activating. 99 sets are allowed at maximum for tailored design.
- Analog communication with robot as optional.



Specification

Manual	Ehave CM 500 H	Ehave CM 500	Ehave CM 400	Ehave CM 350
Robotics	Ehave CM 500 H AR	Ehave CM 500 AR	Ehave CM 400 AR	Ehave CM 350 AR
Control Mode	Full Digital-Control			
Rated Input Voltage	AC 3PH 380V +/-25% (3PH 285V ~ 3PH 475V)			
Input Frequency	30 ~80 HZ			
Rated Input Power	24KVA	22.3KVA	16.8KVA	13.8KVA
Power Factor	0.93	0.93	0.94	0.94
Efficiency	86%			
Rated OCV	75V	73.3V	63.7V	63.7V
Rated Output Current	30~500A	30~500A	30~400A	30~400A
Rated Output Voltage	12~45V	12~45V	12~38V	12~38V
Duty Cycle	500A 100% @ 40°C	500A 60% @ 40°C 390A 100% @ 40°C	400A 100% @ 40°C	350A 60% @ 40°C 271A 100% @ 40°C
Applicable Material	Carbon Steel			
Welding Process	CO ₂ / MAG / FCAW / MMA			
Wire Diameter	φ 1.0 / 1.2 / 1.6 mm		φ 0.8 / 1.0 / 1.2 mm	
Welding Operation Mode	2T / 4T / Repeated 4T / Spot Welding			
Parameter Channel	10 (Standard)			
Inductance Scope (Soft / Strong Arc)	-9 ~ +9			
Communication with Robot Controller	Analog			
Reserved Communication Interface	CAN			
Cooling Mode	Intelligent Air Cool			
Wire-feeding Speed	1.4 ~ 24 m/min			
Electromagnetic Compatibility	IEC60974:10 EMS			
Insulation Grade	H			
Ingress Protection	IP 23S			
Protection Against Lightening	Class D (6000V/3000A)			
Working Temperature & Humidity	-39°C ~ +50°C ; Humidity ≤ 95%;			
Dimension (L / W / H)	620 x 300 x 480 mm			
Gross Weight	52KG	52KG	48KG	48KG