



MIG-MAG SEMI-AUTOMATIC EQUIPMENT WITH ELECTRONIC ADJUSTMENT

Three phase MIG-MAG semi-automatic equipment suitable for any industrial application, i.e. medium and large fabrication work, shipyard and steel erection. ECHO power sources, usable with a wide selection of wire feeders and different length interconnecting cables, allow the remote control facility of all welding parameters directly from the feeder.



CV



DC
+ -

- ▶ Voltage electronic adjustment
- ▶ Remote voltage control facility directly from the WF, DF and SWF feeders used with interconnecting cables up to 50 meters
- ▶ Excellent welding performance with any material and different gases
- ▶ Lower energy consumption in respect of step adjustment power sources
- ▶ High reliability and reduced maintenance costs, lacking any electromechanical adjustment components
- ▶ Automatic "Hot Start" to always get a precise arc striking
- ▶ P.C.B. in an isolated rack for protection against dust and dirt
- ▶ Standard equipped with cylinder holder undercarriage fitted with large wheels for easy handling
- ▶ Two inductance positions for an excellent welding pool in any situation
- ▶ "Energy Saving" function to operate the power source cooling fan and torch water cooling when necessary

WF - DF

- ▶ Voltage electronic adjustment
- ▶ External Burn-Back and motor ramp adjustment for a precise arc striking
- ▶ Digital ammeter/voltmeter with hold function of the last welding parameters (DF 5)
- ▶ Sloping lodging for wire spools (up to 300 mm Ø maximum)
- ▶ Water and gas quick connections
- ▶ Double groove rolls replaceable without any tool
- ▶ Professional wire feeding mechanism for a precise and constant wire driving



STRONG FEEDER SWF

These feeders, having a robust polypropylene suitcase, represent the ideal solution for shipyards and all harshest applications. Developed for use with solid and flux cored wires, SWF feeders can lodge wire spools up to 300 mm Ø. Voltmeter/Ammeter and gas flowmeter upon request.

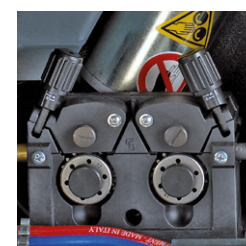


SWF

TECHNICAL DATA		WF 4	DF 5	SWF
Single phase input 50/60 Hz	V	48	48	48
Motor power	W	100	100	100
Rolls	N°	4	4	4
Feeding speed	m/min	0,5 - 20	0,5 - 20	0,5 - 20
Solid wire (steel)	Ø mm	0,6 - 2,4	0,6 - 2,4	0,6 - 2,4
	↗ mm	570	570	540
	→ mm	275	275	235
Dimensions	↑ mm	400	400	485
	kg	17	17	14
	V/A	---	●	Optional



WF 4



DF 5 - SWF

TECHNICAL DATA		ECHO	
		5000 CV	7000 CV
Three phase input 50/60 Hz	V	230/400	230/400
Input Power @ I ₂ Max	kVA	29,2	46
Delayed Fuse (I ₂ @ 60%)	A	63/35	85/50
Power Factor / cos φ		0,91 - 0,94	0,88 - 0,90
Efficiency Degree		0,76	0,76
Open circuit voltage	V	17 - 51	22 - 56
Current range	A	25 - 500	25 - 700
Duty cycle at (40°C)	A 100%	310	460
	A 60%	400	600
	A 40%	500	700
Wires	Ø mm	0,6 - 1,6	0,8 - 2,4
Standards		EN 60974-1 • EN 60974-10	
		S	
Protection Class	IP	23 S	23 S
Insulation Class		H	H
Dimensions	↗ mm	1060	1060
	→ mm	600	600
	↑ mm	780	780
Weight	kg	116	170

Other voltages available on request

These power sources are built for industrial environment use. EMC (CISPR 11): class A



ACCESSORIES

- IR 14 water cooling equipment
- Adjustable torch support



ISO 9001:2008