



# ECHO



CV



DC  
+ -

## MIG/MAG SEMI-AUTOMATIC EQUIPMENT WITH ELECTRONIC ADJUSTMENT

Three phase MIG/MAG semi-automatic equipment suitable for any industrial application, such as medium and large fabrication work, shipyard and steel construction. ECHO series, thanks to its modularity, grants the maximum versatility in any welding application. ECHO 5000 CV and 6000 CV 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.

ECHO 5000 CV and 6000 CV, when equipped with digital ES 5 feeder, thanks to preset welding programs, really become an intelligent and user friendly synergic equipment enabling, even non expert operators, to easily adjust welding parameters in any circumstance according to material, gas and wire diameter being used.



### ENERGY SAVING

In ECHO 5000 CV, 6000 CV, and 7000 CC/CV the built-in Energy Saving function activates both the power source fan motor and the torch water cooling only when necessary, not only obtaining a significant energy saving, but also ensuring less maintenance for the power source, thanks to reduced airborne contaminants.

## SWF STRONG FEEDER AND MINI SWF

These robust polypropylene suitcase feeders are the ideal solution for shipyards and all harshest applications. Developed for use with solid and flux cored wires, SWF can lodge wire spools up to 300 mm Ø, whilst the lightweight and compact MINI SWF (9,5 kg only) is suitable for spools up to 200 mm Ø. V/A meters and gas adjustment flowmeter are available upon request.



TECHNICAL DATA		WF 4	DF 5	ES 5	MINI SWF	SWF
Single phase input 50/60 Hz	V	48	48	48	48	48
Motor power	W	100	100	100	100	100
Rolls	N°	4	4	4	4	4
Feeding speed	m/min	0,5 - 20	0,5 - 20	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	0,6 - 2,4	0,6 - 2,4
Dimensions	↗ mm	570	570	570	465	540
	→ mm	275	275	275	205	235
	↑ mm	400	400	400	385	485
Weight	kg	17	17	17,5	9,5	14
V/A		---	●	●	Optional	Optional

TECHNICAL DATA		ECHO		
		5000 CV	6000 CV	7000 CC/CV
Three phase input 50/60 Hz	V	230/400	230/400	230/400
Input Power @ I <sub>2</sub> Max	kVA	29,2	40	46
Delayed Fuse (I <sub>2</sub> @ 60%)	A	63/35	80/45	85/50
Power Factor / cos φ		0,91 - 0,94	0,90 - 0,92	0,88 - 0,90
Efficiency Degree		0,76	0,76	0,76
Open circuit voltage	V	17 - 51	17,5 - 58	22 - 56
Current range	A	25 - 500	30 - 600	25 - 700
Duty cycle at (40°C)	A 100%	310	390	460
	A 60%	400	500	600
	A 40%	500	600	700
Wires	Ø mm	0,6 - 1,6	0,8 - 2,0	0,8 - 2,4
Standards		EN 60974-1 • EN 60974-10		
Protection Class	IP	23 S	23 S	23 S
Insulation Class		H	H	H
Dimensions	↗ mm	1060	1060	1060
	→ mm	600	600	600
	↑ mm	780	780	780
Weight	kg	116	146	180



### ACCESSORIES

- IR 14 water cooling equipment
- Adjustable torch support

Other voltages available on request

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



ISO 9001: 2008