

ZANARDI HM1 180 A.C. Brushless Alternator-Welder



Reference: HM1 180 A.C.

The AC brushless generators-welders series denominated HM1 guarantees unlimited operation with minimum maintenance. In fact, its particular system enables the user to have full maximum power – either as a single phase generator or as a welder. With a distribution along the sides of the unit for output sockets, the product is really easy to use and delivers great accessibility and a comprehensive number of different panel options.

The AC welder is governed by a selector switch which controls the two functions (generator or welder) and by a commutator which regulates the welding current with seven positions on two scales (one scale for 130 amp version). All of this is packed inside a solid and rugged aluminium structure with a compact and light design and IP23 protection level. All units have insulation systems to Class H requirements through advanced impregnation processes and material selection.

The HM1 series has been engineered to satisfy the most common end-user needs and the use of a single phase generator with good performances is complemented by an excellent AC welder. This permits the use of the most common diameters of rutile-type electrodes.

Not-binding images and data.

Technical Sheet

Phase	Single phase
Continuous power single phase (KW)	6
Continuous power single phase (KVA)	6
Frequency (Hz)	50
Voltage (V)	115 / 230
Engine rpm (rpm)	3000
Poles	2
Single-phase power (KVA)	6
Protection degree	IP23
Motor insulation class	H
Mechanical power (hp)	11
Current (A)	180
Current range (A)	55-180

Welding current (A)	180 A @ 35% - 140 A @ 60%
Welding voltage min/max (V)	21.5-27
Open circuit voltage (V)	58
Diameter electrodes (mm)	1.5-4
Maximum diameter electrodes (mm)	4
Type of welding current	AC
Type of welding	MMA
Acoustic pressure	60 dB(A) at 7 m
Length (mm)	346
Width (mm)	236
Height (mm)	304
Brushes	No
PMG	No
Type of alternator	Constant Speed
Voltage regulator	Capacitor
Weight (Kg)	39