

HYDRAULIC

HW 220 - HW 300 - HW 400

With sockets for single-three-phase generators

Welders features low noise hydraulic motors with helicoidal gears



HW 220



HW 300

HW 220 - HW 300 - HW 400 are professional DC hydraulic welders with power respectively of 220, 300 and 400 amps standard, other configurations on demand. This products can also be used as tri / mono phase current generators. They can be powered by the hydraulic circuit of excavators, trucks, mobile workshops and by all machines equipped with a suitable hydraulic circuit. Hydraulic offers numerous advantages: quietness, safety, versatility, easy transportability, robustness, absence of vibrations, no exhaust or smokes and minimal maintenance requirements, thanks to these features the welding machines increase the versatility of the machines, improving their efficiency and productivity. Ideal in any welding work outdoors and where it is necessary to have electricity everywhere and at low cost. Welders features low noise hydraulic motors with helicoidal gears.

TECHNICAL CHARACTERISTICS	HW 220	HW 300	HW 400
Weight with base	55 Kg	95 Kg	150 Kg
Length	540 mm	670 mm	770 mm
Width	230 mm	230 mm	300 mm
Height	400 mm	470 mm	500 mm
ELECTRIC CHARACTERISTICS			
Welding power	220 a	300 a	400 a
Welder type	2 poles - direct current brushes rotating type welders	2 poles - direct current brushes rotating type welders	2 poles - direct current brushes rotating type welders
Elettrodes	all types included basic and cellulosic	all types included basic and cellulosic	all types included basic and cellulosic
Regulation	contineous	contineous - possibility remote control	contineous - possibility remote control
Power	3,5 KVA in 1 PHASE 6,5 KVA in 3 PHASE	4 KVA in 1 PHASE 10 KVA in 3 PHASE	4 KVA in 1 PHASE 10 KVA in 3 PHASE
Protection	IP 21 (IP 23 on request)	IP 21 (IP 23 on request)	IP 21 (IP 23 on request)
Sockets	1 CE 1 phase - 1 CE 3 phase	1 CE 1 phase - 1 CE 3 phase	1 CE 1 phase - 1 CE 3 phase
Volt meter	YES	YES	YES
Thermic protection	YES	YES	YES
HYDRAULIC CHARACTERISTICS			
Flow L/min	40-50	65-75	80-90
Pressure bar	34 - 45	36 - 45	36 - 45
Back pressure	140-210 Bar	140-210 Bar	140-210 Bar
Regulation flow/speed	YES	YES	YES

WELDERS

HW 220 - HW 300 - HW 400

With sockets for single-three-phase generators

- *Compact and easy to install*
- *Exclusive silenced hydraulic motors with helicoidal gears*
- *Hydraulic motor are protected by hydraulic valve against flow/rev limit, single directional valve that avoids reverse rotation and "water hammer" damage for a natural stop when the flow is removed*
- *Available hydraulic motors with different displacements for an ideal ratio of available flow of the driving machine and alternator revolutions*
- *Provided with a voltmeter that allows to display the correct regulation of the revolutions/volt/Hertz*



MOTOR A



MOTOR B

The hydraulic welders can be supplied with two types of hydraulic motors.

MOTOR A equipped with regulation of flow/speed and with ON/OFF hydraulic activation only.

MOTOR B with ON/OFF activation by a integrated solenoid switch, thanks to the electric activation, the motor rotation can be started/stopped by a electric control.

