

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

