

# DYNASET HWG

## Hydraulic Welding Generator

**HTG**<sup>®</sup>  
HIGH-TECH GENERATORS  
[www.hightechgenerators.com.au](http://www.hightechgenerators.com.au)

DYNASET HWG Hydraulic Welding Generator converts the hydraulic power of a mobile machine into welding current and auxiliary electricity. HWG Hydraulic Welding Generators produce high quality welding current from 180 A up to 400 A. HWG 180/220/300/400 units also provide auxiliary AC-power from 6 kVA up to 10 kVA.

Portable HWG models are the lightest hydraulic welders in the world weighting only 17 kg (37.4 lbs.). They produce up to 250 A welding current and provide DC electricity up to 2 kW.

### ADVANTAGES

#### New Silent Hydraulic Motors

The new silent hydraulic motors, released on March 7th 2017, are integrated in the standard models of the HWG Hydraulic Welding Generator (K series). The new hydraulic motors will improve the generators in many ways.

The DYNASET silent hydraulic motors bring better user experience thanks to:

- Lower sound pressure level
- Lower frequency
- Pleasant sound structure
- Less mechanic friction
- Increased efficiency
- Lower operating temperature
- Better durability

Please note that the portable models of HWG are made with different hydraulic motor.

#### Features & Benefits

- HWGs operate with a compact hydraulic motor
- HWGs generate high quality welding current 180 – 400 A
- AC power for other electric appliances available with HWG 180/220/300/400 models
- DC power available with portable HWG 200/250 models
- Automatic welding current control maintains continuous current
- HWGs are a complete power station with overload protection and residual current circuit breaker
- Lightest hydraulic welding generator in the world
- Increase mobile machines net worth

- Safety earth leakage relay
- Reliable and silent operation
- 3 or 5 pin sockets as standard
- Maintenance free with two-year warranty
- No extra engine, fuel tank or exhaust pipe
- Automatic voltage control maintains steady voltage according to electric load
- Auxiliary fuse/socket box available
- High quality coil parts
- Easy installation
- Ecological



**DYNASET**

		HWG 180	HWG 220	HWG 300	HWG 400
<b>OUTPUT CHARACTERISTICS</b>					
<b>Welding Current</b>	<b>A</b>	40 - 180	40 - 220	30 - 300	50 - 400
<b>Welding Electrode</b>		Ø 4 mm	Ø 5 mm	Ø 6 mm	Ø 7 mm
<b>ED%</b>	<b>%</b>	50	35	35	35
<b>Output Voltage, VAC</b>	<b>1 phase</b>	230	230	230	230
	<b>3 phase</b>	400	400	400	400
<b>Output Power</b>	<b>1 phase</b>	3,0 kVA	3,5 kVA	4,0 kVA	4,0 kVA
	<b>3 phase</b>	6,0 kVA	6,5 kVA	10,0 kVA	10,0 kVA
<b>HYDRAULIC POWER REQUIREMENTS</b>					
<b>Flow Min.</b>	<b>l/min (U.S. gpm)</b>	36 (5.5)	51 (13.5)	56 (14.8)	81 (21.4)
<b>Pressure Max.</b>	<b>bar (psi)</b>	210 (3000)	210 (3000)	210 (3000)	210 (3000)
<b>OVERALL DIMENSIONS</b>					
<b>Length</b>	<b>mm (In)</b>	563 (21.10)	563 (21.10)	613 (24.15)	801 (31.55)
<b>Width</b>	<b>mm (In)</b>	212 (8.35)	212 (8.35)	285 (11.15)	318 (12.55)
<b>Height</b>	<b>mm (In)</b>	365 (14.40)	365 (14.40)	434 (17.10)	544 (21.45)
<b>Weight</b>	<b>kg (lbs)</b>	51 (112)	52 (114)	92 (203)	132 (291)
Visit <a href="http://www.dynaset.com">www.dynaset.com</a> for detailed information.					

### Carrier Machinery

Carrier machinery for this product includes drilling rigs, excavators, forestry machinery, mobile crushers, platform lifts, loaders, tractors, truck mounted cranes, service vehicles, trucks, vans, boats and hydraulic power packs.

### Application

Applications include pipe welding, drill shaft welding, railway welding, road and infrastructure maintenance, small repair welding, welding with forestry equipment, powering electric tools, powering lights, powering heaters, powering coolers, powering submersible pumps, powering 1 and 3-phase motors and back-up power.