

803 dual power

Compact Excavators < 6 t



1 excavator, 2 drives: 803 dual power

Wacker Neuson dual power is the innovative solution for an emission-free auxiliary drive. In addition to the integrated diesel engine, the electro-hydraulic unit HPU8 can be connected to the 803 compact excavator if necessary. The HPU8 is technically tailor-made to the requirements of the excavator 803. In this way, the excavator can be operated electrically and emission-free if necessary. The handling is easy: The generator is connected to the undercarriage via Plug & Play – done.

- Two drive options: Diesel and electro-hydraulic drive
- Emission-free if necessary: For work indoors and in sensitive environments
- Consistent performance with both drives even in breaker operation.
- Unrestricted work movements: Rotatable 360° with both drives
- Easy handling: Excavator weight, dimensions and machine center of gravity are unchanged



Compact excavator 803



Dual power option integrated in the compact excavator

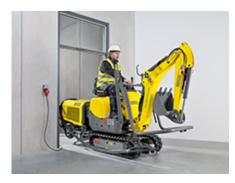


Electro-hydraulic unit HPU8

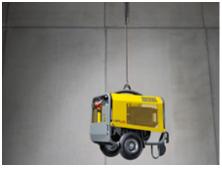


In addition to the existing diesel engine, the compact excavator can be operated emission-free via an electro-hydraulic unit.





Easy to transport: Two openings are inset in the dozer blade in which the HPU8 can be suspended for transport.



Easy loading: a sturdy lifting point for crane loading is attached on the connection lance.



Compact and practical: The loading dimensions of 930 x 720 x 1,000 mm are ideal. And four sturdy tie-down lugs ensure rapid transport.



Sophisticated design:

Simple Plug & Play connection on the undercarriage. The lifting point bracket is used as a connection lance and guide for the hydraulic hoses of the HPU8 at the same time. With a few hand movements, it is removed from the generator and connected to the excavator. The positioning on the undercarriage means 360° freedom of movement with the excavator.





Technical specifications

803 excavator with dual power option

Operating data

Shipping weight min.	988 kg	
Operating weight min.	1.088 kg	
Biting force max.	4,5 kN	
Breakaway force	890 daN	
Digging depth	1.731 mm	
Dumping height max.	2.035 mm	
Digging radius	3.074 mm	
L x W x H *	2,746 x 700 x 1,507 mm	

Engine / Motor

Engine / Motor manufacturer	Yanmar	
Engine / Motor type	3TNV70	
Engine / Motor	Liquid-cooled, 3-cylinder diesel engine	
Displacement	854 cm ³	
RPM / speed	2.100 rpm	
Engine performance according to ISO	9,6 kW	
Battery	20 Ah	
Tank capacity	10	

Hydraulic system

Duty pump	Gear pumps
Flow rate	22,8 l/min
Operating pressure for working and driving hydraulics	170 bar
Operating pressure Slewing gear	70 bar
RPM / speed Revolving superstructure	8 rpm
Hydraulic oil tank	14

Wheel set

Travel speed	1,8 km/h
Gradeability	58 %

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Chain width	180 mm		
Ground clearance	130 mm		
Dozer Blade			
Width min.	700 mi	m	
Height	200 mi	m	
Stroke Above subgrade	197 mi	m	
Stroke Below subgrade	174 mi	m	
Sound level			
Sound level (LwA) according to 2000/14/EC		93 dB(A)	
Electro-hydraulic unit HPU 8			
Licens Hydraune ann III o o			
Operating data			
Operating weight incl. hydraulic oil	192 kg		
LxWxH	930 x 720 x 836-1000 mm		
Engine / Motor			
Engine / Motor	3-phase electric motor		
Engine performance	7,5 kW		
	7,5 100		
Voltage	400 V		
Voltage Input current			
	400 V		
Input current	400 V	nin	
Input current Hydraulic system	400 V 16 A		
Input current Hydraulic system Flow rate	400 V 16 A 20 l/m		

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* Without ROPS bar

Please note

that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions. Subject to alterations and errors excepted. Applicable also to illustrations.

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