



803 dual power

Tracked Conventional Tail Excavators



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



dualpower

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.



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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.



At the Polish trade fair Intermasz, the dual-power option received the "MTP Gold Medal" in 2014, which is awarded to particularly innovative products. The 803 dual-power excavator also received the "Innovation Award in Gold" at the international trade fair Intermat in Paris, France in 2015. In addition, the dual-power solution received two awards at the British trade fair Plantworx in 2015, including as the winner of the "Green" category.

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 max.	8.9 kN
Digging depth	1,731 mm
Dumping height max.	2,035 mm
Digging radius	3,074 mm
Superstructure slewing speed	8 1/min
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 l
Hydraulic system	
Duty pump	Gear pumps
Flow rate	10.7 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 l
Wheel set	
Travel speed	1.8 km/h
Chain width	180 mm
Ground clearance	130 mm
Dozer Blade	
Width min.	700 mm
Height	200 mm
Stroke Above subgrade	197 mm
Stroke Below subgrade	174 mm
Sound level	
Sound level (LwA) according to 2000/14/EC	93 dB(A)

Electro-hydraulic unit HPU 8

Operating data

Operating weight incl. hydraulic oil	192 kg
L x W x H	930 x 720 x 836-1000 mm

Engine / Motor

Engine / Motor	3-phase electric motor
Engine performance	7.5 kW
Voltage	400 V



Input current	16 A
Hydraulic system	
Flow rate	20 l/min
Operating pressure	190 bar
Hydraulic oil tank	9 l
Hose	12 m

Wheel set

Dozer Blade

Sound level

* Without ROPS bar



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Dimensions

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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