



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



savings operating costs:
the HPU8 saves fuel and increases the range of action



drive options:
Diesel and electric hydraulic drive



run time:
unlimited



Compact excavator 803



Dual power option integrated in the compact excavator



Electro-hydraulic unit HPU8

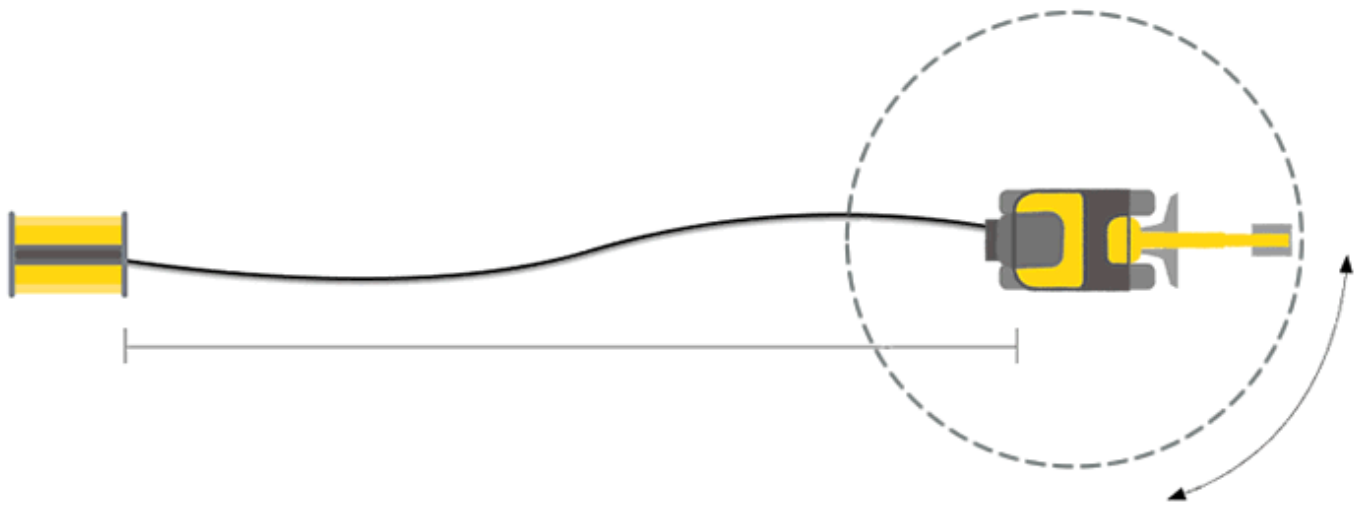


dualpower

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



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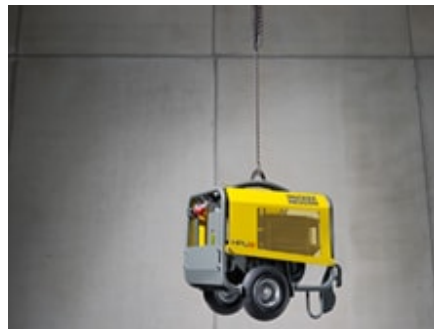


12-m-hose connection for unlimited freedom of movement of the excavator



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.



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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.	955 kg
Operating weight	1,052 - 1,112 kg
Biting force max.	4.5 kN
Breakout force max.	8.9 kN
Digging depth max.	1,763 mm
Dumping height	2,012 - 2,035 mm
Digging radius max.	3,090 mm
Superstructure slewing speed	8 1/min
L x W x H	2,828 x 700 x 2,261 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	7 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

Undercarriage

Travel speed	1.8 km/h
Chain width	180 mm
Ground clearance	130 mm

Dozer Blade

Width min.	700 mm
Height	200 mm



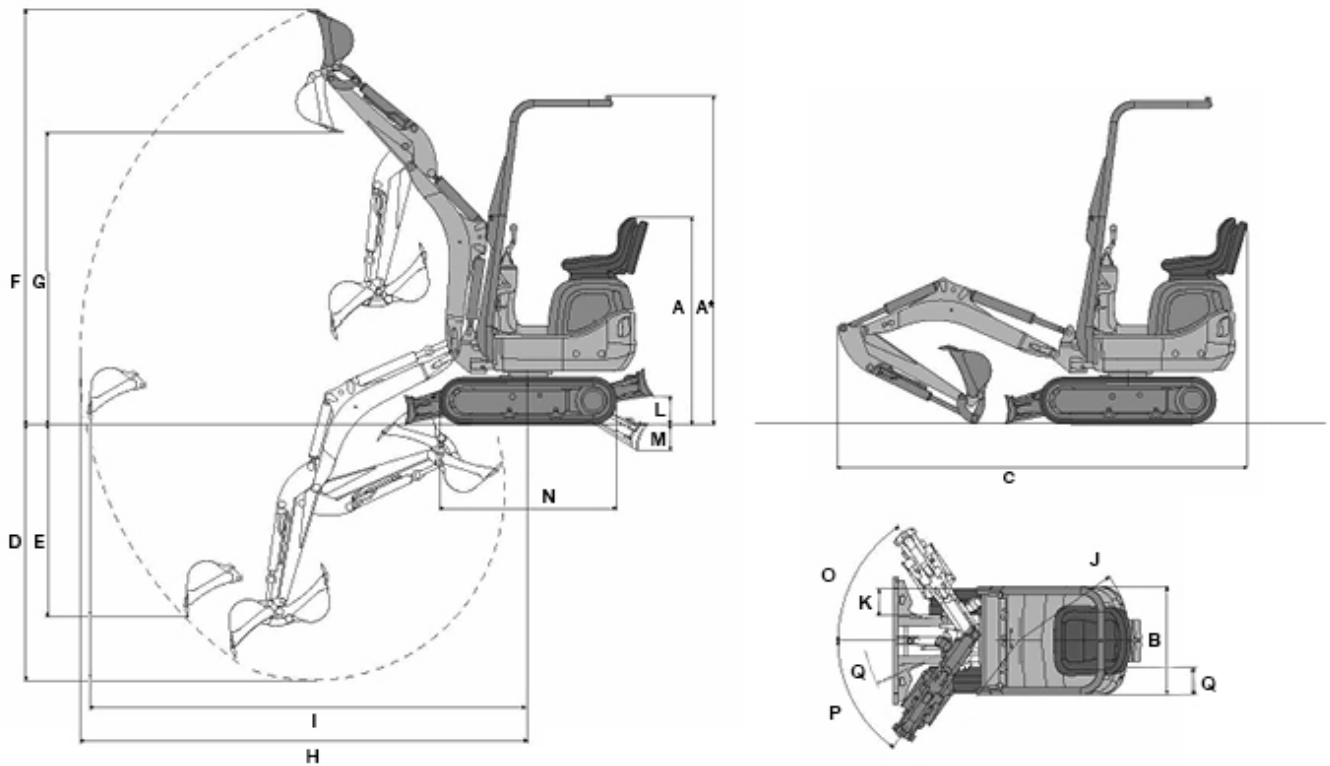
Stroke Above subgrade	197 mm
Stroke Below subgrade	174 mm
Sound level	
Sound level (LwA) according to 2000/14/EC	93 dB(A)
Cabin - specified sound pressure level LpA	77 dB(A)

Electro-hydraulic unit HPU 8

	7 kW	9 kW
Operating data		
Engine / Motor		
Engine / Motor	3-phase electric motor	3-Phasen-Elektromotor
Engine performance kW	7.5	9
Voltage V	400	480
Input current A	16	16
Frequency Hz	50	60
Hydraulic system		
Flow rate l/min	20	20
Operating pressure bar	210	210
Hydraulic oil tank l	9.6	9.6
Hose m	12	12
Sound level		
Sound level (LwA) dB(A)	90.3	90.3



Dimensions



A*	Height	2,261 mm
A	Height	1,427 mm
B	Width Oberwagen	730 mm
B	Width Laufwerk eingefahren	700 mm
B	Width Laufwerk ausgefahren	860 mm
C	Transport length (Arm gesenkt)	2,828 mm
D	Digging depth max.	1,763 mm
E	Insertion depth senkrecht	1,320 mm
F	Insertion height Max.	2,863 mm
G	Dump height max.	2,012 mm



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H	Digging radius max.	3,090 mm
I	Range	3,028 mm
J	Rear swivel radius	747 mm
K	Arm displacement	245 mm
K	Arm displacement	283 mm
L	Lift height	197 mm
M	Scraping depth	178 mm
N	Length	1,220 mm
O	Turning angle	56 °
P	Turning angle	55 °
R	Boom slewing radius	1,085 mm

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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