



## 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



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.



**WACKER  
NEUSON**  
*all it takes!*



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.	2,105 lb
Operating weight	2,319 - 2,452 lb
Biting force max.	1,012 lbf
Breakout force max.	2,001 lbf
Digging depth max.	69.41 in
Dumping height	79.2 – 80.1 in
Digging radius max.	121.7 in
L x W x H	111.3 x 27.6 x 89 in

**Engine / Motor**

Engine / Motor manufacturer	Yanmar
Engine / Motor type	3TNV74F
Engine / Motor	Liquid-cooled, 3-cylinder diesel engine
Displacement	60.57 in <sup>3</sup>
RPM / speed	2,500 rpm
Engine performance according to ISO	15.41 hp
Battery	20 Ah
Fuel tank capacity	1.8 US gal

**Hydraulic system**

Duty pump	Gear pumps
Flow rate	5.3 US gpm
Operating pressure for working and driving hydraulics	2,466 psi
Operating pressure Slewing gear	1,015 psi
RPM / speed Revolving superstructure	8 rpm
Hydraulic oil tank	3.7 US gal

**Undercarriage**

Travel speed	1.1 mph
Chain width	7.1 in
Ground clearance	5.1 in

**Dozer Blade**

Width min.	27.6 in
Height	7.9 in
Stroke - Above ground	7.76 in



Stroke - Below ground	6.85 in
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**Sound level**

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Sound level (LwA) according to 2000/14/EC	93 dB(A)
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Cabin - specified sound pressure level LpA	77 dB(A)
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Electro-hydraulic unit HPU 8

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**Operating data**

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L x W x H	36.6 x 28.3 x 32.9-39.4 in
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**Engine / Motor**

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Engine / Motor	3-phase electric motor
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Engine performance	10 hp
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Voltage	480 V
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Input current	16 A
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Frequency	60 Hz
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**Hydraulic system**

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Flow rate	5.2 US gpm
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Operating pressure	2,756 psi
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RPM / speed	1,728 rpm
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Hydraulic oil tank	2.4 US gal
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Hose	39.4 ft
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**Undercarriage**

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**Dozer Blade**

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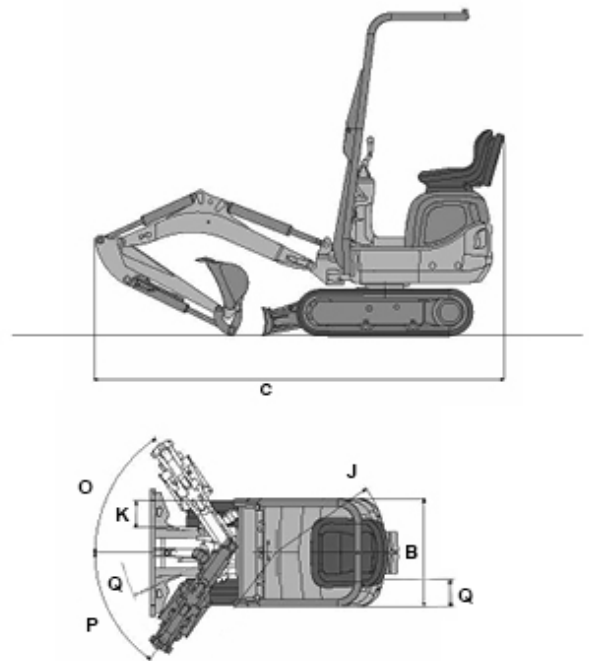
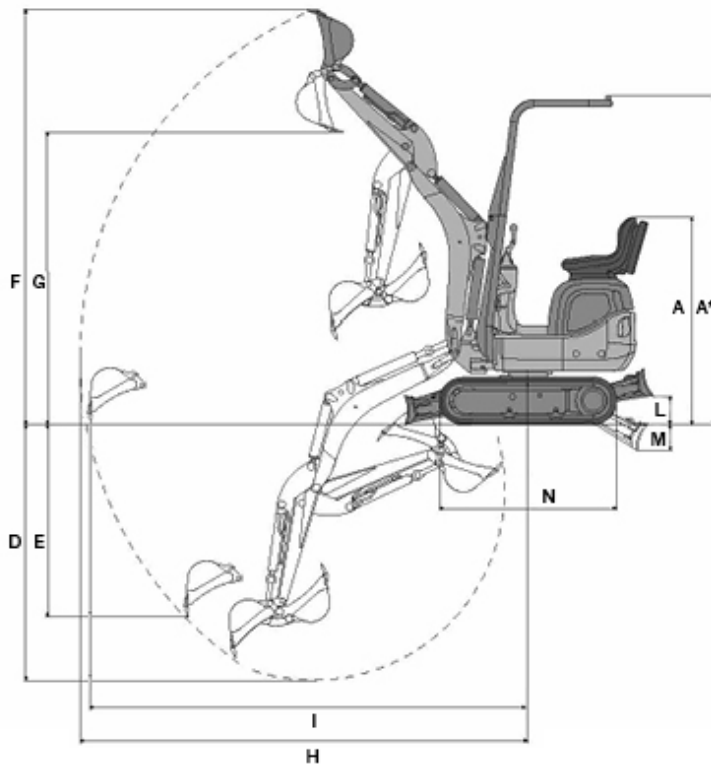
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**Sound level**

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Dimensions



A*	Height	89 in
A	Height	56.2 in
B	Width - Cab	28.7 in
B	Width - Undercarriage retracted	27.6 in
B	Width - Undercarriage extended	33.9 in
C	Transport length	111.3 in
D	Digging depth max.	69.4 in
E	Insertion depth	52 in
F	Insertion height	112.7 in
G	Dump height max.	79.2 in



H	Digging radius max.	121.7 in
I	Range	119.3 in
J	Rear swivel radius	29.4 in
K	Arm displacement to centre of bucket, right side	9.6 in
K	Arm displacement to centre of bucket, left side	11.1 in
L	Lift height - Above ground	7.8 in
M	Scraping depth - Below ground	7 in
N	Length - Track	48 in
O	Turning angle - Boom system to the right	56 °
P	Turning angle - Boom system to the left	55 °
Q	Chain width	7.1 in
R	Boom slewing radius	42.7 in

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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