



## 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

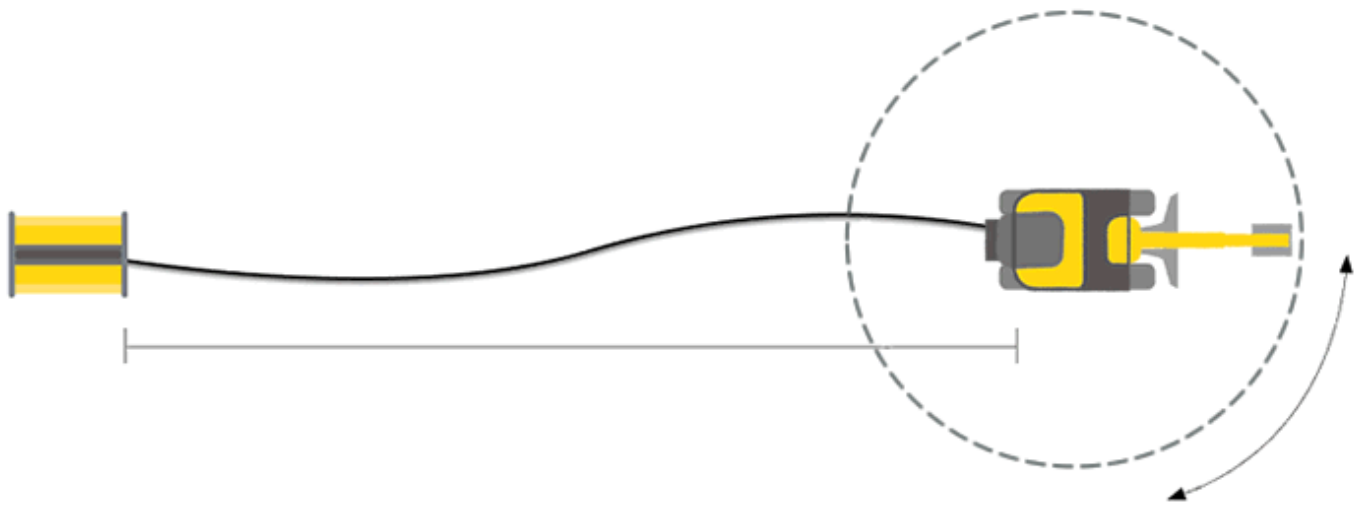


**dualpower**

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



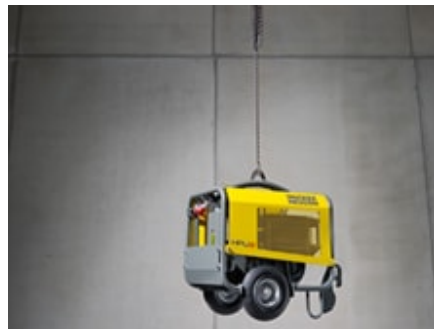
**WACKER  
NEUSON**  
*all it takes!*



**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.



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



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.



## 803 dual power 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 <sup>3</sup>                     |
| 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

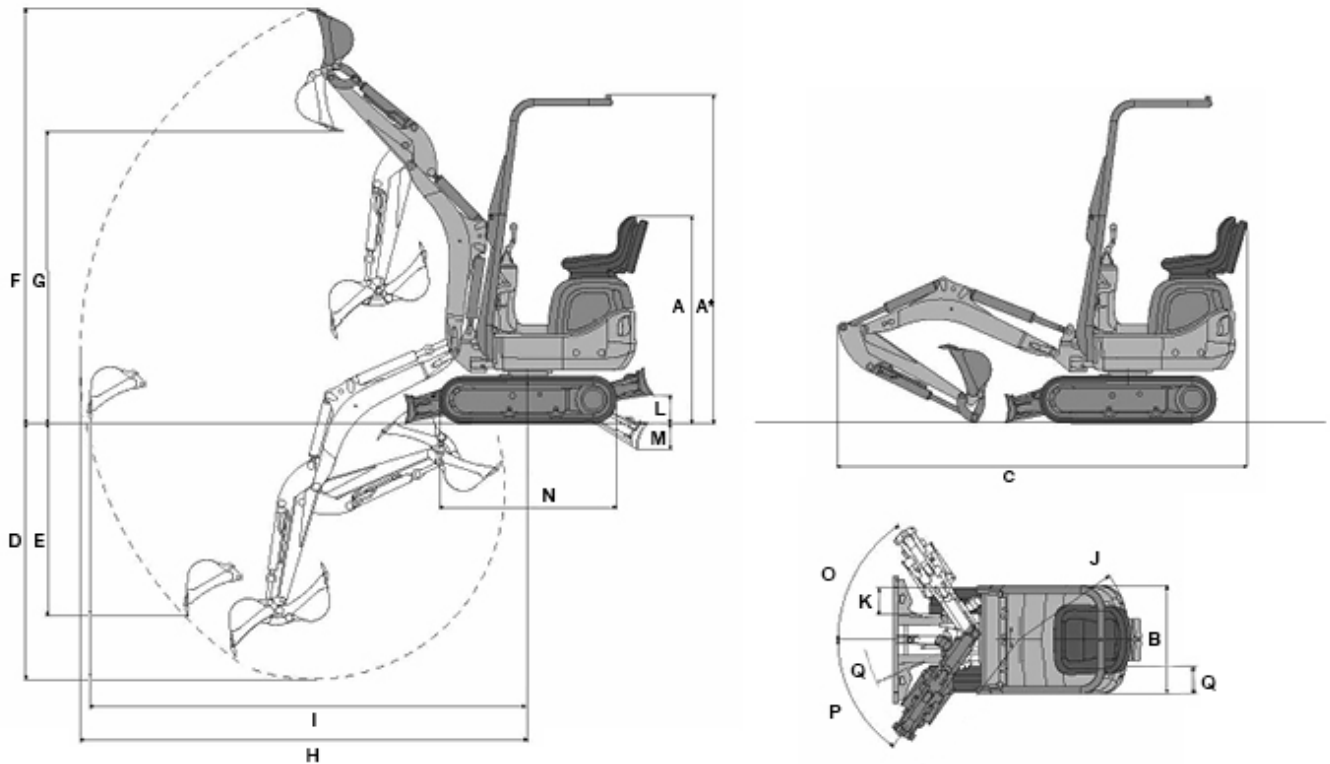
Hose m 12 12

**Sound level**

Sound level (LwA) dB(A) 90.3 90.3



## 803 dual power 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 |
| 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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