



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

## zero emission

Our emission-free solutions.



## Your challenges – Our answers

As the pioneer within the field of the battery-electric construction machines, Wacker Neuson has been continuously expanding their portfolio since 2013, and is not stopping at machine development. With offers of zero emission, Wacker Neuson is working to provide the customers with the full eco-system: from the charging infrastructure through the service provision, finance options, and different usage models through to the cyclic business models. With additional products, such as the Charging Box and Systainer Boxes for transporting batteries, Wacker Neuson offers simple solutions for switching to emission-free working.

**Ready to think differently? Then make the “switch” with Wacker Neuson.**

# zero emission

### Finance and support

- We offer specialized financial solutions along with country-specific support worldwide to facilitate a seamless transition into the zero emission world.

### Test and hire

- If you're interested in trying out zero emission machines before making a commitment, you can explore zero emission equipment rental options offered by select rental partners.
- Get in touch with a dealer in your area to learn more about how you can thoroughly acquaint yourself with these machines right at your own construction site.

### Sustainable circulation

- Our batteries are efficient for a long time. After their use in construction machines and equipment, the batteries are best utilized by classic recycling through to the option of use as a power storage system.
- Together with partners, we are working on cyclic business models and second-life solution to be able to best-possibly re-purpose the batteries.



### Different charging options

- With our Charging Box we have created a solution for charging e-machines on construction sites, which do not have a direct access to a power source.
- At the Charging Box, you can charge both compact machines and construction equipment batteries.
- Our emission-free construction machines are equipped with the most common power connections, such as e.g. Schuko/CEE and Type 2 plugs and we continue to work on designing the charging procedure to be as easy as re-fueling.

### Service solutions

- Our solutions support you with your zero emission machines and we continue to develop our services surrounding batteries and machines.
- With the telematics solution EquipCare, we provide, for example, real-time data, maintenance advice, and fleet management for efficient and preventative servicing.

### Simple operation

- Our battery-operated construction equipment is easy to operate. The battery can be easily started at the press of a button.
- The battery not only fits more than ten machines of Wacker Neuson construction equipment, but it also fits the equipment of further manufacturers.
- Full performance is available at the press of a button with all zero emission models generally throughout an entire working day, without recharging.



### #switchtogreen

100% CO<sub>2</sub>-free operation on the construction site: This means zero emission machines make a valuable contribution to climate protection. There is also less stress in the construction site environment, as machine operation is very quiet and there are no CO<sub>2</sub> emissions.

## Five reasons why it's worth switching.



### #switchtosilence

Our zero emission products work with very little noise. Already 10 decibels less mean the sound level perceived is cut in half. The electrically-operated construction machines by Wacker Neuson are even up to 20 decibels quieter than conventional machines. This also has a tangible economic advantage, because work is often in noise-sensitive environments or at night to complete construction sites promptly or to not impact the day shift.



### #switchtozero

The construction industry benefits from electric drive systems, just like the automotive industry. With many construction machines, there is great savings potential in terms of fuel, even when working under a full load. And even the maintenance costs are clearly lower than with the fuel-powered machine. So that our construction machines are always charged, and so that their full performance can be provided, they are equipped with the most common power connections, like Schuko/CEE and Type 2 plugs. Additionally, with Battery One and the Charging Box, we offer initial infrastructural solutions for e-construction sites.



### #switchtoeasy

Our zero emission products are easy and intuitive to operate, and can be charged at any socket and/or immediately put to use with a battery. The construction equipment starts in the truest sense at the push of a button. Full performance is immediately available with all zero emission models - as a rule throughout an entire working day, without recharging.



### #switchtoeconomical

Electric motors are more efficient than combustion engines, and particularly low-maintenance. The extended range of applications also increases the utilization and therefore the economic efficiency of the machines. Even the CO<sub>2</sub>-reduction has financial benefits, because to achieve the specified climate goals, many countries will significantly increase the already implemented CO<sub>2</sub>-taxes in the coming years.

## Battery One.

Battery One is a standardized and user-friendly battery system that focuses on CO<sub>2</sub>-free and sustainable use of construction equipment. The battery can be used not only in all battery-electric equipment from Wacker Neuson, but also in construction equipment from other manufacturers. The idea: A battery standard simplifies construction site operations enormously, as only one battery and one charging system need to be considered in construction site logistics.



### BATTERY ONE

	Unit	BOB10	BOB14
Mounted capacity	Wh	1,008	1,425
Weight	kg	9.3	9.6

	Unit	BOC7	BOC13
Charging current	A	7	13
Charging time (BOB5/BOB10/BOB14)	min	90/160/255	50/95/140

## Single-direction vibratory plate: a real economic miracle.

Maintenance-free electric motor, up to 50% less energy costs and starts with a push of a button: Compaction doesn't get any more comfortable or affordable.

### AP1850we



	Unit <sup>2</sup>	AP1850we
Local CO <sub>2</sub> emissions	g/Bh	0
Charging time, standard/fast battery charger	h	4.6/ 1.87
Battery running time <sup>1</sup>	min	80
Reach per battery charge <sup>1</sup>	m <sup>2</sup>	960
Operating weight (without/with water tank)	kg	107
Centrifugal force	kN	18
Operating width	mm	500
Frequency	Hz	98
Engine		Electric motor

\* Weight depends on the additional options selected

## Battery converter backpack: goodbye to cables.

Our battery-powered internal vibrator can be easily connected to the battery-powered converter backpack ACBe, thus making concrete consolidation completely mobile.

	Unit <sup>2</sup>	ACBe
Local CO <sub>2</sub> emissions	g/Bh	0
Charging time, standard/fast battery charger	min	90/ 50
Battery running time <sup>1</sup>	h	up to 2
Noise emissions reduced by <sup>5</sup>	dB	20
Operating weight with/without BOB5	kg	10.25/ 4.2
Operating weight with/without BOB10	kg	13.5/ 4.2
Rated current	A	20
Input/output voltage	V	51 (3~)/34 (3~)
Output performance	kW	0.79
Output frequency	Hz	200



## Battery-powered rammer: from the inventor of the original.

Our vibratory rammers are writing history once more: compacting at full output, but without emissions – an invaluable advantage, especially in trenches.

	Unit <sup>2</sup>	AS50e
Local CO <sub>2</sub> emissions	g/Bh	0
Charging time, standard/fast battery charger	h	4.6/ 1.87
Battery running time <sup>1</sup>	min	40
Reach per battery charge <sup>1</sup>	m	352
Ramming shoe size (width)	mm	280
Operating weight	kg	71
Stroke at ramming shoe	mm	44
Max. impact force	(rpm)	680
Type of drive	kW	Electric motor



<sup>1</sup> Average reference value, the actual value may differ depending on application conditions.

<sup>2</sup> All information refers to the battery model BOB14.

AS50e

## Electric excavator: prepared for anything.

Our mini-excavator can do more than operate electrically: for example, without rear projection, working directly at walls or operating stationary directly at the plug receptacle. Our battery-powered electric excavator is an excellent solution for noise and exhaust sensitive areas such as inner-city night construction sites.

	Unit	EZ17e
Local CO <sub>2</sub> emissions	g/Bh	0
Engine output	kW	16.5
Battery capacity	kWh	23.4
Battery charging time 110 V/230 V/400 V	h	15/7.5/4
Battery running time <sup>1</sup>	h	7.5
Battery voltage	V	48
Noise emission reduced by <sup>2</sup>	dB	9
Shipping weight min.	kg	1,681
Operating weight min.	kg	1,797
Length x width x height	mm	3,584/3,554* x 900 – 1,300 x 2,489
Max. dumping height	mm	2,439/ 2,553*
Digging depth	mm	2,323/ 2,483*
Digging radius	mm	3,900/ 4,050*
Break out force	kN	20.5

\* Long dipper stick (option)



# Wacker Neuson – zero emission series.



Concrete technology



Vibratory rammers



Vibratory plates



Excavators



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