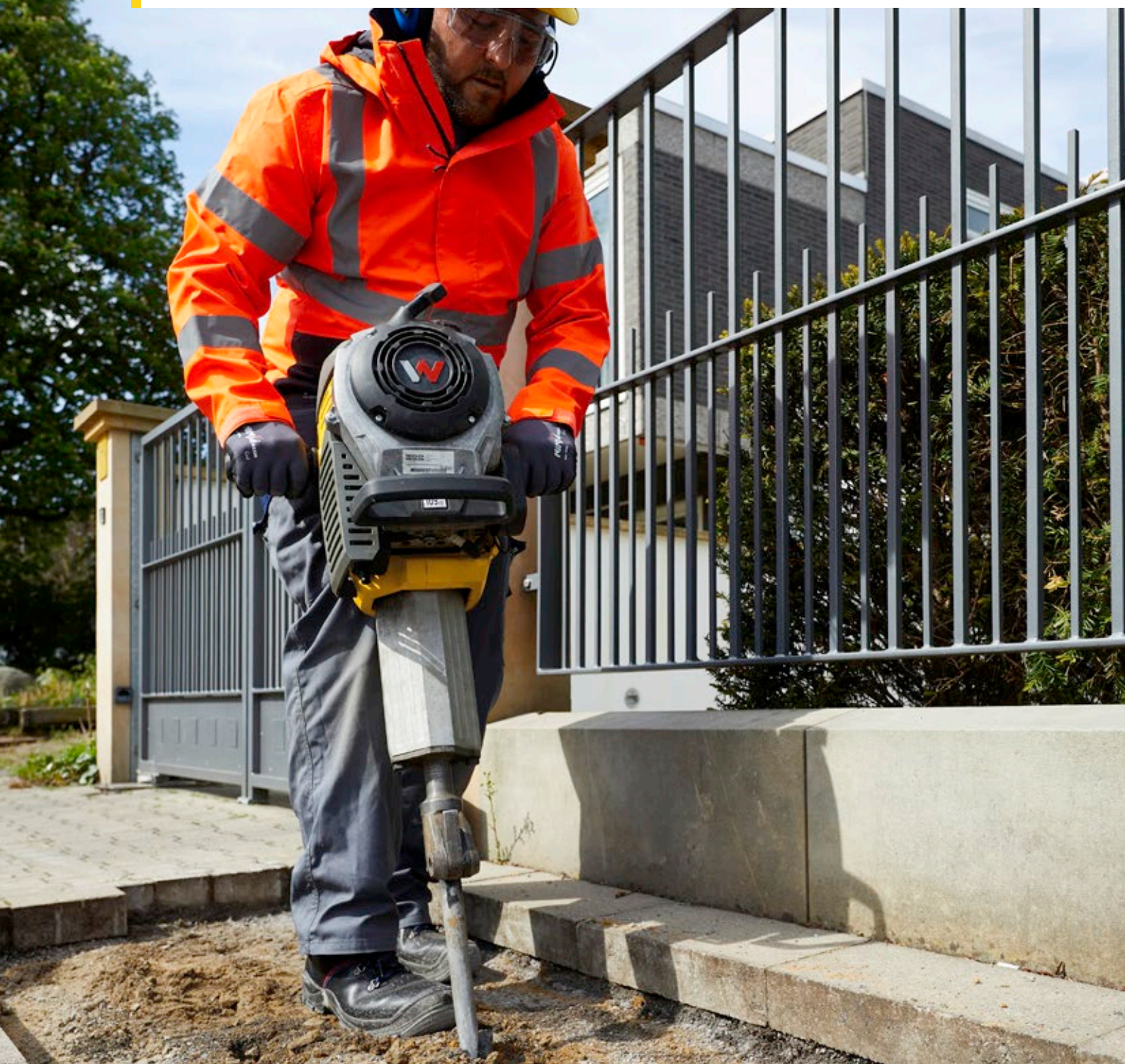
WACKER NEUSON
all it takes!

Construction site technology

Demolition technology, pumps,
light tower and generators.



Your reliable solution provider

We offer customers worldwide a comprehensive range of construction machines and equipment, spare parts and services. Since the beginnings of our company in 1848, the Wacker Neuson brand has stood for reliability and innovative strength. Companies from the main construction industry, gardening and landscaping, municipalities and industry, among other sectors, therefore, rely on the innovative solutions of Wacker Neuson.
Wacker Neuson – **all it takes!**

Our services

When you need us, we are there. We can advise you not only on purchasing a machine, but also afterwards. You can rely on our competent and quick support. Find out aboutour extensive services for construction machines and construction equipment. With our Comprehensive Sales and Service network, we are always close by.

Experience more:
wackerneuson.com/services

Contents.

Gasoline breakers.

Powerful in application in demolition and tie-tamping work: The gasoline breakers from Wacker Neuson are your powerful companion in the demanding everyday work on the construction site and are impressive with their high efficiency, comfort, safety and environmental friendliness.

Efficiency

- High single stroke impact energy at a low weight
- Fuel tank with impressive 1.8 liter capacity
- The large fuel filter ensures long maintenance intervals and a long engine service life
- Various tool holding fixtures available

Performance

- The powerful percussion system delivers high performance
- The percussion system is extremely sturdy against damage and wear
- Gasoline breaker BH65 has a hollow piston percussion system and thus a high demolition performance

Safety

- Safe guidance thanks to the hood guide running linear to the percussion shaft
- Low hand-arm vibrations

BH65

BH55rw

BH40

Comfort

- High level of operating comfort with compact hood shape
- Gasoline breaker BH40 is, at 20 kg, significantly lighter than other breakers
- The full-hood vibration damping allows for operation close to the body
- Purger for quick and easy starting
- Stable, well-balanced handle

Environmental friendliness

- Economical and low-emission 2-stroke engine WM80c, designed in-house

Maintenance

- Long regreasing interval of 40 operating hours (BH55rw and BH65)
- The self-cleaning percussion system saves cost and time for maintenance
- Maintenance-free design makes possible easy maintenance of the percussion system on the construction site via the easily accessible central lubrication

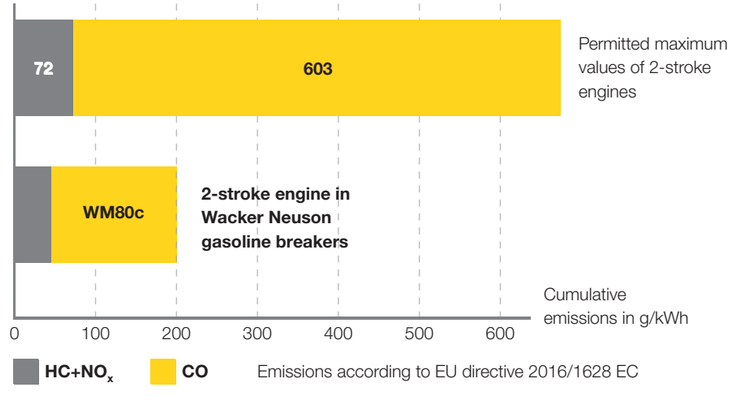
Reliable transport in any position: with solid rubber or pneumatic tires.

Gasoline breakers BH40 and BH55rw are specially optimized for maintenance work in railway construction.

Well-balanced for easy handling.

Specially developed 2-stroke engine WM80c

The extremely lightweight and low-emission 2-stroke engine WM80c cools the transmission and percussion system and is specially adapted to our breakers. Thanks to the catalytic converter, the economic top performer already falls below all current emissions threshold values as well as those applicable for the future.



Floor saws.

Unbeatable in daily application: The floor saws from Wacker Neuson cut asphalt and concrete quickly, precisely and conveniently. Get excited about the first-class cutting performance!

Comfort

- Large, easy-to-remove water tank
- Low weight (< 95 kg)
- Low hand-arm vibration (HAV) values (below 5 m/s²)*
- Stable guidance thanks to high tensile strength frame and sturdy wheels

Performance

- 20% faster walking speed than comparable equipment
- Continuously adjustable cutting depth to 195 mm

Maintenance

- Lifelong lubricated bearings reduce maintenance effort
- Optimal coordination of center of gravity and torque
- Water sprinkling on both sides of the cutting blades for a long service life

* The hand-arm vibrations are therefore below the threshold of 5 m/s², which allows for a continuous use of up to eight hours a day. (According to EU-directive EU 2002/44/EC)

The **central lifting point** provides balance and ensures that the rear wheels always touch the ground first.

The largest water tank in its class: 20 l on the BFS735 and 940 or 32 l on the BFS1345 and 1350.

The optionally available handle grip facilitates transport of the equipment.

Cut-off saws.

From masonry to reinforcements to concrete: The gasoline cut-off saw from Wacker Neuson always cuts absolutely reliably and is extremely durable and efficient in application.

Efficiency

- Work dust-free with a large pressurized water tank (accessories)

Performance

- High-torque engine
- High level of cutting performance for productive working

Comfort

- Convenient soft start
- Low hand-arm vibration values (below 5 m/s²)*

Quality

- Sturdy design with low wear
- High level of reliability in everyday construction site use

Maintenance

- Three-stage air filter system ensures a constant high engine output and minimized air filter service

Efficient 3-level air cleaner system

The optimal filter method for a long service life of the air cleaner: The cyclonic filter 1 and the foam material prefilter 2 largely rid the intake air from dirt particles. Only then does the pre-cleaned air reach the main filter 3.

1 Cyclonic filter

2 Foam material prefilter

3 Main filter

Accessories.
Demolition technology.

Diamond blades.

The diamond blades from Wacker Neuson provide for a clean, perfect cut, allow for efficient work in a variety of application areas as well as with different materials and are available in three performance ranges.

The right blade for any application.

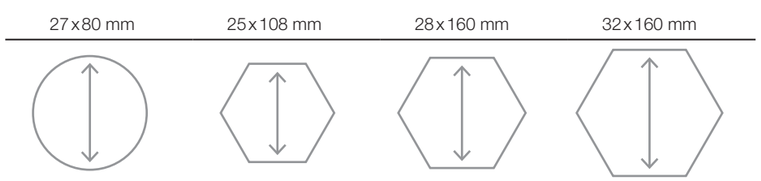
Performance range	★★★★	★★★☆	★★☆☆
Segment height	**12 mm**	**10 mm**	**8 mm**
	Optimal for powerful machines in daily application due to the extremely high cutting performance and a very good service life.	Outstanding cutting quality, extremely solid in service life: the best choice for frequent use.	Ideal for occasional use – with a neat cutting performance and service life.

Chisel and tie-tamping tools.

Regardless of whether you are using a moil point, a flat or bolster chisel, or tie-tamping tools: You are ideally equipped for any application with our unique selection for all common tool holders (also in various effective lengths)!

Chisel product range with four tool holders:

Use our versatile chisel product range and expand the application areas for your breakers. Our selection of chisels in various effective lengths also fits breakers from other manufacturers.



Technical data.
Demolition technology.

Gasoline breakers.

	Unit	BH40	BH55			BH55rw Tool holder				BH65			
Tool holder	**mm**	Ø 27 x 80	Ø 27 x 80	hex 25 x 108	hex 28 x 160	hex 28 x 160	hex 32 x 160	Ø 27 x 80	Ø 27 x 80	Ø 27 x 80	hex 25 x 108	hex 28 x 160	hex 32 x 160
L x W (without tool)	**mm**	843 x 492	777 x 492	791 x 492	833 x 492	898 x 492		842 x 492		848 x 492	858 x 492	905 x 492	
Height (without tool)	**mm**	318	346			346				346			
Weight	**kg**	20.5	22.8	22.7	23.8	25.2		24.2		24.2	24.1	25.2	25.1
Percussion rate	**rpm**	1,650	1,300			1,350	1,300	1,300	1,350	1,300	1,250	1,250	
Single stroke impact energy	**J**	40	55			55				55	65	65	
Rated power	**kW**	1.6	1.6			1.6				1.7			
Nominal speed	**rpm**	4,150	4,250			4,500				4,100			
Tank capacity (fuel)	**l**	1.8	1.8			1.8				20			

Floor saws.

	Unit	BFS735	BFS940	BFS1345	BFS1350	BTS635
Max. cutting depth	**mm**	120	145	170	195	12.8
Length of guide wheel folded up	**mm**	746	826	801	826	825
Width	**mm**	833	905	488	568	315
Weight	**kg**	69	86	93	94	11.3
Min. blade diameter	**mm**	350	350	350	350	300
Max. blade diameter	**mm**	350	400	450	500	350
Rated power at 3,600 l/min	**kW**	3.7	6.3	8.7	8.7	4.3
Tank capacity (fuel)	**l**	3.1	5.3	6.1	6.1	1.1

Engine-driven pumps.

From fresh water to dirty water with larger solids: The engine-driven pumps from Wacker Neuson were designed and developed for a variety of requirements for draining construction sites. Due to the high quality and durable components, you also benefit from a high level of reliability and reduced maintenance costs.

PG series: dewatering pumps for fresh water

- High discharge volume
- Simple operation and handling
- Sturdy protective frame usable as a lift handle for easy transport

PG2

PT series: centrifugal pumps for dirty water

- Very high discharge volume, ideal for quick drainage
- Automatic shutdown in the event of a low oil level prevents damage to the machine
- Self-priming
- Easily replaceable wear parts
- Easily startable brand engines

PT2

PDI series: diaphragm pumps for dirty water

- Handles solids content up to 41 mm
- Safe to dry run, so operation without supervision is possible
- Reinforced diaphragm for particulate matter with sharp-edged parts
- Continuous pump operation due to pressure compensating chamber
- Easy to transport, as the pump, including the intake and pressure pipe joints, is compactly designed

PD2

Electric submersible pumps.

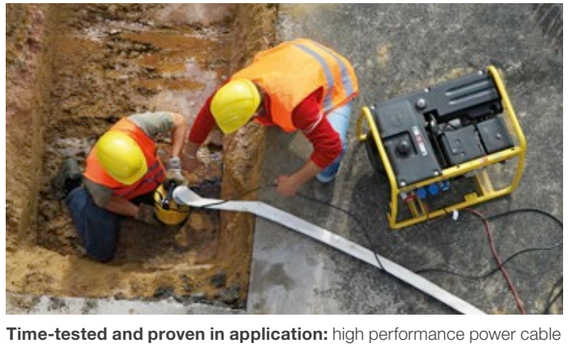
The electric submersible pumps by Wacker Neuson are extremely sturdy, wear-resistant and perform extremely well in extreme situations: Whether dealing with large discharge volumes and heads or whether the fluid to be conveyed is only a few millimeters high. You can always rely on our submersible pumps.

Single-phase pumps (1~) and three-phase pumps (3~)

- Extremely high discharge volume with up to 2,440 l/min
- Convey particulate matter up to 9.5 mm in size
- Safe to run dry: no burn-out, even when operated with lasting lack of water
- Extremely durable: internal, mechanical seal of silicon carbide in the oil bath
- With Schuko plug, optionally also combinable with motor protection, float and phase inverter. Model variants with lateral outlet or automatic operation available
- Integrated thermal overload protection breaker prevents damage to the motor

Typical application areas.

	Application areas
PG series	Basement flooding, watering and draining garden ponds and swimming pools, irrigation for gardening and landscaping
PT series	Excavations, pipeline construction, gravel pits, trench applications as well as sites where large volumes of water need to be moved quickly, such as disaster control
PDI series	Drainage of sludge masses and seepage areas, basement flooding, seepage water on construction sites
Single-phase pumps	Basement flooding, watering and draining garden ponds or swimming pools
Three-phase pumps	Water drainage, construction sites flooding, concrete treatment plants in ready-mixed concrete and precast plants, gravel pits



Time-tested and proven in application: high performance power cable with strain relief and high-quality insulation for our pumps.

Electric submersible pumps that are safe to dry run: even during long intermittent operation due to lack of water thanks to the built-in oil lifter.

Technical data.
Engine-driven pumps.

Fresh water pumps.

	Unit	PG2	PG3
Intake and pressure pipe joints diameter	**mm**	50	75
Length	**mm**	480	515
Width	**mm**	375	405
Height	**mm**	395	460
Operating weight	**kg**	24	31
Total head	**m**	30	30
Max. discharge volume	**l/min**	600	1,000
Max. solids diameter	**mm**	6.5	6.5
Engine manufacturer	**–**	Honda	Honda

Diaphragm Pumps.

	Unit	PDI2A	PDI3A
Intake and pressure pipe joints diameter	**mm**	50	75
Length	**mm**	996	1,057
Width	**mm**	455	455
Height	**mm**	585	589
Operating weight	**kg**	59	63
Total head	**m**	15	15
Max. discharge volume	**l/min**	189	333
Max. solids diameter	**mm**	38	41
Engine manufacturer	**–**	Honda	Honda

Centrifugal pumps.

	Unit	PT2A	PT3A	PTS4V
Intake and pressure pipe joints diameter	**mm**	50	75	100
Length	**mm**	550	673	915
Width	**mm**	466	508	890
Height	**mm**	501	571	890
Operating weight	**kg**	43	67	150
Total head	**m**	32	29.5	32
Max. discharge volume	**l/min**	625	1,315	2,609
Max. solids diameter	**mm**	25	38	50
Engine manufacturer	**–**	Honda	Honda	Vanguard

Technical data.
Electric submersible pumps.

1~ trash pumps.

	Unit	PST2 400	PST3 750	PS2 500	PSA2 500	PS2 800	PSA2 800	PS2 1500
Discharge tube diameter	**mm**	50	80	50	50	50	50	50
Length	**mm**	265	285	185	220	187	223	187
Width	**mm**	185	184	185	185	187	187	187
Height	**mm**	330	389	355	355	341	341	600
Operating weight	**kg**	11.3	19	9.5	10	13.2	13.8	32.5
Total head	**m**	12	18	11	11	15	15	17.5
Max. discharge volume	**l/min**	200	300	220	200	310	310	420
Max. solids diameter	**mm**	9.5	7	6	6	6	6	6
Voltage	**V**	230	230	230	230	230	230	230

3~ dirty water pumps 1.5–2.2 kW.

	Unit	PS2 1503	PS3 1503	PS2 1503L	PSA2 1503L*	PS2 2203	PS3 2203	PS2 2203L	PS2 2203L**
Discharge tube diameter	**mm**	50	75	50	50	50	75	50	50
Length	**mm**	235	235	240	240	235	235	240	240
Width	**mm**	215	215	240	240	215	215	240	240
Height	**mm**	550	550	392	482	570	570	412	482
Operating weight	**kg**	29	29	19.5	20	32	32	23	23.5
Total head	**m**	21.5	14.4	20	20	26	20.4	24	24
Max. discharge volume	**l/min**	430	670	420	420	500	800	530	530
Max. solids diameter	**mm**	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
Voltage	**V**	400	400	400	400	400	400	400	400

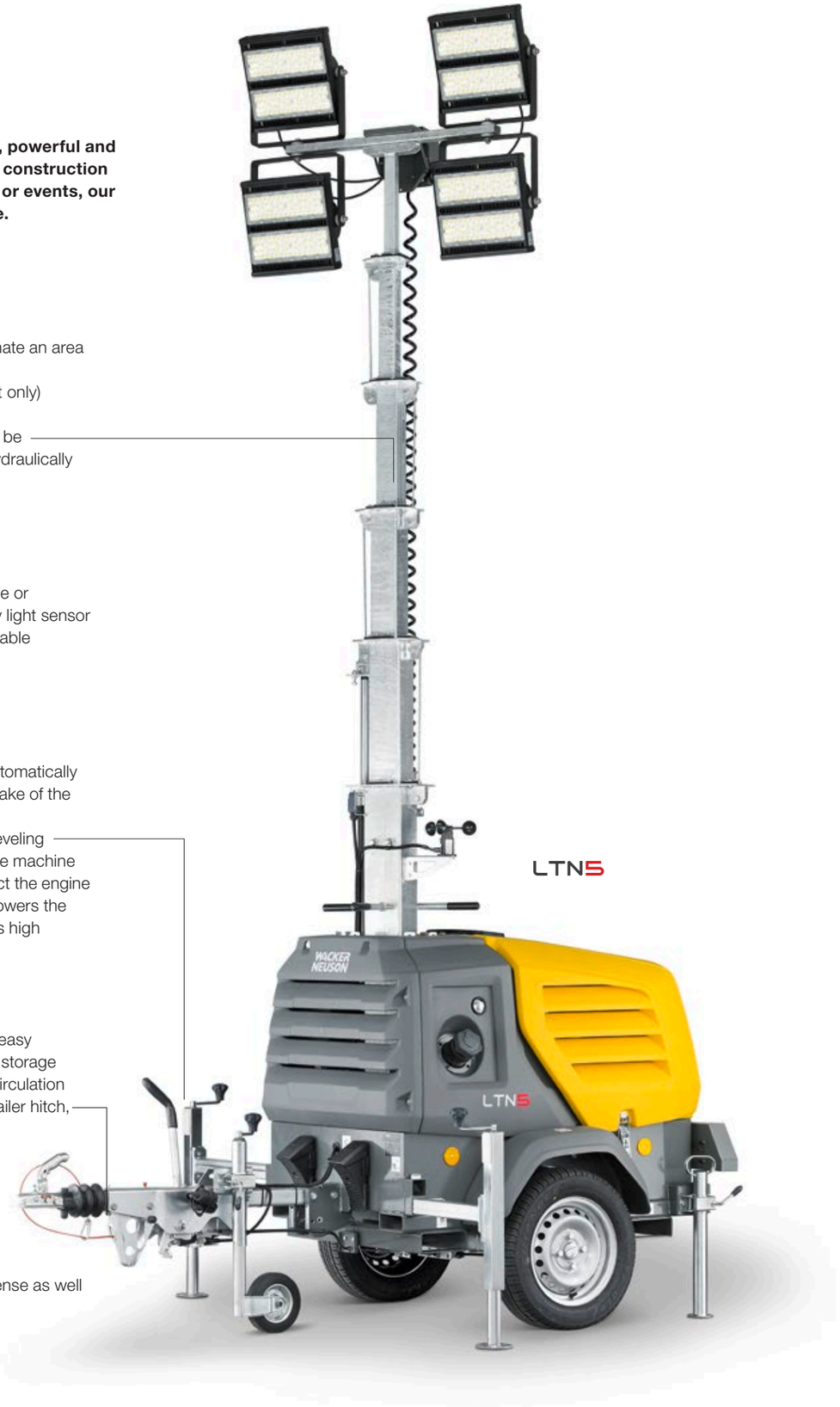
3~ dirty water pumps 3.7 – 11 kW.

	Unit	PS2 3703	PS3 3703	PS4 3703	PS3 5503	PS4 5503	PS4 7503HH	PS4 7503HF	PS4 11003HH	PS4 11003HF
Discharge tube diameter	**mm**	50	75	100	75	100	100	100	100	100
Length	**mm**	285	285	285	305	305	330	330	375	375
Width	**mm**	250	250	250	260	260	315	315	350	350
Height	**mm**	655	655	675	695	705	785	785	805	805
Operating weight	**kg**	55	55	55	66	66	93	93	130	130
Total head	**m**	36.5	29	18	32	22.5	40	31	48.5	32.5
Max. discharge volume	**l/min**	450	900	1,440	1,100	1,750	1,400	2,040	1,440	2,440
Max. solids diameter	**mm**	8.5	8.5	8.5	8.5	8.5	8.5	20	8.5	20
Voltage	**V**	400	400	400	400	400	400	400	400	400

* Automatic version available: PSA2 1503L: Weight 20 kg, height: 482 mm.
** Automatic version available: PSA2 2203L: Weight 23.5 kg, height: 482 mm.

Light tower.

When it comes to a mobile, powerful and continuous light supply for construction sites, road repairs at night or events, our light tower is indispensable.



Performance

- 4 multi-LED panels to illuminate an area of 30,200 m²
- 150 hours running time (light only) on one full tank
- 7.8 m high tower, which can be extended upward electro-hydraulically at the push of a button

Efficiency

- Lighting times programmable or automatically controllable by light sensor
- Clear and easily understandable operating panel

Safety

- AMOSS safety system to automatically lower the tower when the brake of the trailer is released
- 4 stable leveling jacks and leveling bubble for safe leveling of the machine
- Sturdy plastic hood to protect the engine
- Wind sensor automatically lowers the tower when the wind force is high

Transport

- Compact dimensions allow easy transport and space-saving storage
- Trailer with European road circulation approval and ball-shaped trailer hitch, also available with height adjustable drawbar
- Forklift pockets on four sides
- Stable lifting eye
- Weight is less than 750 kg; so the Light Tower can be towed with a car driver's license as well

Technical data.

	Unit	LTN5
Length	**mm**	2,620
Width	**mm**	1,165
Height	**mm**	2,700
Weight	**kg**	695
Max. mast height	**m**	7.8
Type of lamp	**W**	Multi-LED panel (4 x 400 W)
Illumination surface	**m²**	30,200 (5 Lux min)
Engine	**–**	Yanmar (2TNV70)
Running time (light only)	**h**	115

Control panel can also be used quickly by inexperienced operators.

Wind sensor automatically lowers the tower when the wind force is high.

Lifting eye for easy transport.

4 x 400 W for illumination of up to 30,200 m².

Generators, GS series (12 kW) and GV series (up to 7 kW).

Whether in the construction industry or at events – the generators of our GV and GS series are reliable and economical power providers on which you can depend. You can choose from six models, depending on your requirements.

Performance

- Large tank with long running time
- The Honda 4-stroke motor with mechanical voltage regulation ensures reliable power output even in continuous operation

Safety

- No grounding necessary in normal operation
- GS series: the generator has an insulation monitoring device providing additional safety

Comfort

- Compact dimensions simplify transport and storage
- GV series: available as accessory: wheel set with foldable handles
- GS series: sturdy wheels and handles integrated as standard

GV7000

GS12

Plug receptacles for any requirement:

	Schuko 230 V, 16 A	1~ CEE 3P, 230 V, 16 A	1~ CEE 3P, 230 V, 32 A	3~ CEE 4P, 400 V, 16 A
GV2500	● (2x)	–	–	–
GV5000	● (2x)	–	–	–
GV5003	●	●	–	●
GV7000	●	–	●	–
GV7003	●	●	–	●

● Standard – not available

Charging box.

The charging box CB250 is a power bank, which allows working on the construction site energy self-sufficiently. The charging box extends the capacity of zero emission products, prevents peak loads in the network and can provide the entire construction site with electricity.

CB250

Performance

- No noise or exhaust emissions of any kind
- Two operating modes: Isolated operation for self-sufficient power supply, or network operation for simultaneous charging and discharging
- Equipped with various plug receptacles as standard (16 A / 400 V, 32 A / 400 V output: 230 V Schuko, 16 A / 400 V, 32 A / 400 V)

Comfort

- Transport possible via lifting eye or pallet fork
- Simple handling through intuitive start process, and “Plug & Play”

	Unit	CB250
Weight	kg	650
Dimensions	mm	1,480 x 820 x 1,105
Class rating	–	IP54
Temperature range	°C	-20 – +40 ambient temperature
Cooling	–	Air-cooled
Electrical frequency	Hz	50
Electrical load rating	kVA	50
Charging time	h	< 4.5 (16 A)
Capacity	kWh	25

Provides the entire construction site with power, self-sufficiently or operated with network power.

Also available as a version with trailer.

Technical data.
Generators.

	Unit	GV 2500	GV 5000	GV 5003	GV 7000	GV 7003	GS 12
Output current	**A for 1~** **A for 3~**	10 –	17.8 –	25.1 8.0	14.1 –	14.1 10.8	17.1 27.1
Output frequency	**Hz**	50	50	50	50	50	50
Power factor	**cos ϕ at 1~** **cos ϕ at 3~**	0.9 –	0.9 –	0.9 0.8	0.9 –	0.9 0.8	1.0 0.8
Generator continuous (prime) power output (COP)	**kW for 1~** **kW for 3~**	2.1 –	3.9 –	3.2 4.2	5.0 –	3.2 5.7	6.0 12.0
Var. gen. continuous (prime) power output (PRP)	**kW**	2.1	3.9	4.3	5.2	5.6	9.4
Generator maximum power output (MAX)	**kW**	2.9	4.6	5.1	7.0	7.0	13.4
Main fuse	**A**	12.1	20.1	10.3	25.1	10.3	16
Available voltages	**V for 1~** **V for 3~**	230 –	230 –	230 400	230 –	230 400	230 400
Plug receptacles type	**–**	2 x Schuko 230 V, 16 A	2 x Schuko 230 V, 16 A	1 x Schuko 230 V, 16 A 1 x 1~CEE 3P, 230 V, 16 A 1 x 3~ CEE 4P, 400 V, 16 A	1 x Schuko 230 V, 16 A 1 x 1~CEE 3P, 230 V, 32 A	1 x Schuko 230 V, 16 A 1 x 1~CEE 3P, 230 V, 16 A, 1 x 3~CEE 4P, 400 V, 16 A	2 x Schuko 230 V, 16 A 1 x CEE, 230 V, 16 A 1 x CEE, 400 V, 16 A
Plug receptacles	**Number**	2	2	3	2	3	4
Tank capacity	**l**	11.0	11.0	11.0	11.0	11.0	24.0

Overview of current consumers.

Concrete technology.

	Voltage frequency (V/HZ)	Input current (A)	Type	Power output (VA)	GV 2500	GV 5000	GV 5003	GV 7000	GV 7003	G 7	GS 12
IRFU30-65	230/50	2.2–10.0	ind.	1,380	●	●	●	●	●	●	●
IRSE-FU30-57	230/50	3.5–6.0	ind.	1,380	●	●	●	●	●	●	●
IEC38-58	230/150	3–5	ind.	420–700	●	●	●	●	●	●	●
FUH20	230/50	7.8	ind.	1,800	●	●	●	●	●	●	●
FU1.5/200W	230/50	9.0	ind.	2,100	●	●	●	●	●	●	●
FU1.8/200	400/50	5.0	ind.	3,500	–	–	–	–	●	●	●
FU4/200	400/50	10.0	ind.	6,900	–	–	–	–	–	●	●
FU5Z	400/50	13.2	ind.	9,200	–	–	–	–	–	–	●
FUE1	230/50	9.6	ind.	2,200	●	●	●	●	●	●	●
FUE2	230/50	13.0	ind.	3,000	–	●	●	●	●	●	●
KTU2	230/50	13.0	ind.	3,000	–	●	●	●	●	●	●
FUE6/042/200WSC	230/50	9.6–14.8	ind.	5,500	–	–	–	–	–	●	●
M1500	230/50	4.5	ind.	1,500	●	●	●	●	●	●	●
M2500	230/50	6.5	ind.	2,500	●	●	●	●	●	●	●

Single-phase pumps.

	Voltage frequency (V/HZ)	Input current (A)	Type	Power output (VA)	GV 2500	GV 5000	GV 5003	GV 7000	GV 7003	G 7	GS 12
400 W	230/50	–	ind.	600*	●	●	●	●	●	●	●
500 W	230/50	–	ind.	670*	●	●	●	●	●	●	●
750 W	230/50	–	ind.	1,450*	●	●	●	●	●	●	●

Three-phase pumps.

	Voltage frequency (V/HZ)	Input current (A)	Type	Power output (VA)	GV 2500	GV 5000	GV 5003	GV 7000	GV 7003	G 7	GS 12
1,500 W	400/50	–	ind.	2,350*	–	–	–	–	**	●	●
2,200 W	400/50	–	ind.	3,800*	–	–	–	–	–	–	●
3,700 W	400/50	–	ind.	5,190*	–	–	–	–	–	–	–
5,500 W	400/50	–	ind.	7,470*	–	–	–	–	–	–	–
7,500 W	400/50	–	ind.	9,900*	–	–	–	–	–	–	–
11,000 W	400/50	–	ind.	14,500*	–	–	–	–	–	–	–

Electric space heaters.

	Voltage frequency (V/HZ)	Input current (A)	Type	Power output (VA)	GV 2500	GV 5000	GV 5003	GV 7000	GV 7003	G 7	GS 12
Fan heater (3 kW)	230/50	–	ind.	3,000	●	●	●	●	●	●	●

Gas-/oil-fired space heaters and air dehumidifiers.

	Voltage frequency (V/HZ)	Input current (A)	Type	Power output (VA)	GV 2500	GV 5000	GV 5003	GV 7000	GV 7003	G 7	GS 12
Gas space heaters	230/50	–	–	–	●	●	●	●	●	●	●
Oil-fired space heaters	230/50	–	–	–	●	●	●	●	●	●	●

Lighting.

	Voltage frequency (V/HZ)	Input current (A)	Type	Power output (VA)	GV 2500	GV 5000	GV 5003	GV 7000	GV 7003	G 7	GS 12
HQI light balloon	230/50	–	–	–	○	●	●	●	●	●	●
Halogen light balloon	230/50	–	ohm.	500–2,000	●	●	●	●	●	●	●

● suitable ○ suitable with restrictions – not suitable ind. Inducti ohm. Ohmic
* Full load/start ** Application only permitted with additional personal protection switch

Wacker Neuson – all it takes.


Concrete technology


Vibratory rammers


Vibratory plates


Rollers


Demolition technology


Generators


Lighting


Pumps


Excavators


Wheel loaders


Telehandler


Dumpers

Financial solutions

Repair & maintenance

Academy

EquipCare & EquipCare Pro

Rental

Concrete specialists

eStore

Spare parts

Used machines

ConcreTec

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