

Construction site technology

Demolition technology, pumps,
light tower and generators



**WACKER
NEUSON**
all it takes!



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 about our 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



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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.



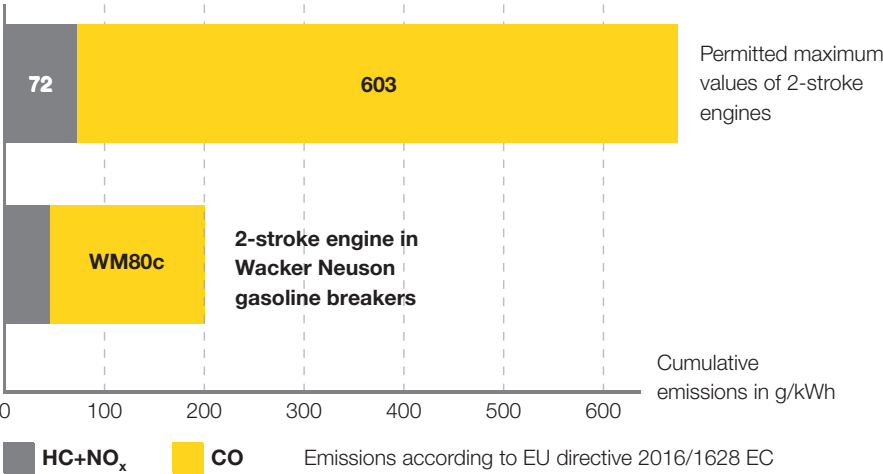
Gasoline breakers BH40 and BH55rw are specially optimized for maintenance work in railway construction.



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.

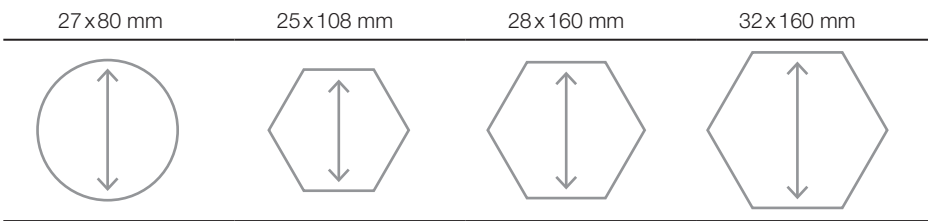
Chisel and tie-tamping tools.

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

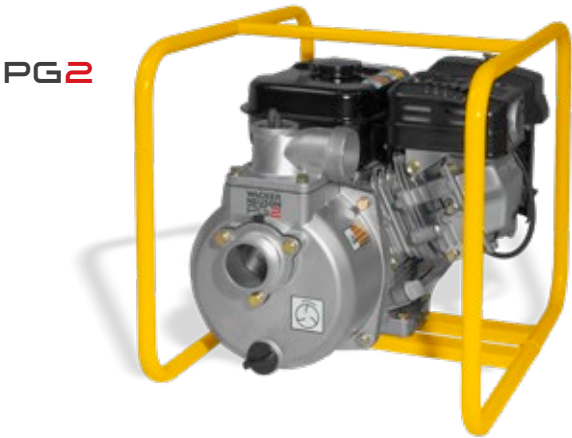
	Unit	BFS735	BFS940	BFS1345	BFS1350	BTS635
Max. cutting depth	mm	120	145	170	195	12.8
Length of guide wheel folded up	mm	746	826	801	826	825
Width	mm	833	905	488	568	315
Weight	kg	69	86	93	94	11.3
Min. blade diameter	mm	350	350	350	350	300
Max. blade diameter	mm	350	400	450	500	350
Rated power at 3,600 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



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



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



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	PST2400	PST3750	PS2500	PSA2500	PS2800	PSA2800	PS21500
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 1.5–2.2kW

	Unit	PS21503	PS31503	PS21503L	PSA21503L*	PS22203	PS32203	PS22203L	PS22203L**
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	PS23703	PS33703	PS43703	PS35503	PS45503	PS47503HH	PS47503HF	PS411003HH	PS411003HF
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 permanent light supply for construction sites, road repairs at night or events, our light towers are indispensable.

Performance

- 4 multi-LED panels to illuminate an area of 5,000 m²
- 200 hours running time (light only) on one tank
- 8.5 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 is released
- 4 stable levelling jacks and a spirit level to safely level the equipment
- Sturdy metal housing, galvanized and powder-coated

Transport

- Trailer with European road circulation approval and ball hitch, also available with height adjustable center pole
- Forklift pockets on four sides
- Stable lifting eye



Technical data

	Unit	LTE4
Length	mm	2,550
Width	mm	1,380
Height	mm	2,430
Max. mast height	m	8.5
Type of lamp	W	Multi-LED panel (6x 150 W)
Illumination surface	m ²	5,000 (5 lux min)
Engine	-	Kubota (z482)
Running time (light only)	h	200



Control panel can also be used quickly by inexperienced operators.



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	–	2xSchuko 230 V, 16 A	2xSchuko 230 V, 16 A	1xSchuko 230 V, 16 A 1x1~CEE 3P, 230 V, 16 A 1x3~ CEE 4P, 400 V, 16 A	1xSchuko 230 V, 16 A 1 x 1~CEE 3P, 230 V, 32 A	1xSchuko 230 V, 16 A 1 x 1~CEE 3P, 230 V, 16 A, 1 x 3~CEE 4P, 400 V, 16 A	2xSchuko 230 V, 16 A 1 xCEE, 230 V, 16 A 1 xCEE, 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/O42/ 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
400W	230/50	–	ind.	600*	●	●	●	●	●	●	●
500W	230/50	–	ind.	670*	●	●	●	●	●	●	●
750W	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 cur- rent (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

