

Concrete technology



**WACKER
NEUSON**
all it takes!



Concrete technology from Wacker Neuson – you can rely on this:

1. Concrete technology and consulting expertise – a unique combination.

Wacker Neuson not only offers you a broad product range for concrete processing, but also comprehensive consultation services for your concrete projects. From planning to the implementation on site. All around the world. The combination of technical expertise, consultation expertise and global sales network is globally unique.

2. The power of innovation and project experience – you can build on that.

Our concrete expertise began over 80 years ago with the invention of the world's first internal vibrator. Since then, we have designed and developed countless product innovations for our customers and managed major concrete projects all around the world – from the Hoover dam to the Olympic Tower in Munich. We are happy to incorporate all of this knowledge into your projects.

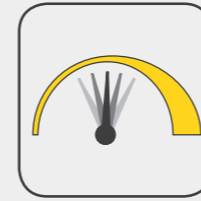
3. High quality and reliability – no matter what you have planned.

We design, develop and produce our products for concrete consolidation in Germany. That is why we can offer every customer individual solutions. High quality standards for all Wacker Neuson products are particularly important to us.

Wacker Neuson – all it takes!

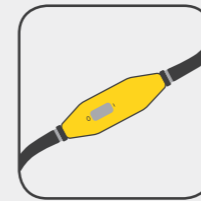
We offer products and services rendered that meet your high requirements and diverse applications. Wacker Neuson stands for reliability. This of course also applies to our solutions in the area of concrete technology. We do our best every day to ensure your success. And we do this full of passion for our jobs.

Concrete expertise to the last detail.



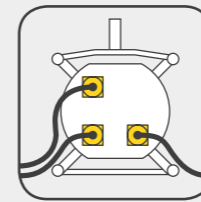
RPM-stable motors

Our motors yield maximum performance – regardless of concrete consistency or current and power fluctuations.



Integrated converter

For a self-contained application: Some of our models have integrated converters, which make the acquisition of external converters unnecessary.



External converters

Precisely configured: In order to connect multiple or different devices, you can use a variety of external converters.



Finely tiered model selection

The right solution for every challenge: Choose the model that is right for you from among various, finely-coordinated model sizes and different revolutions per minute (RPM).



Over 80 years of experience

In 1937, Wacker invented the first internal vibrator in the world, which was followed by countless additional innovations. Benefit from our extensive knowledge advantage.



Concrete Solutions

Our concrete specialists will support you, if necessary, in all matters relating to concrete consolidation, as well as in planning of optimum technical and economic solutions.

More information can be found on page 4/5

Our concrete technology products in an overview.

Internal vibrators (selection):



External vibrators (selection):



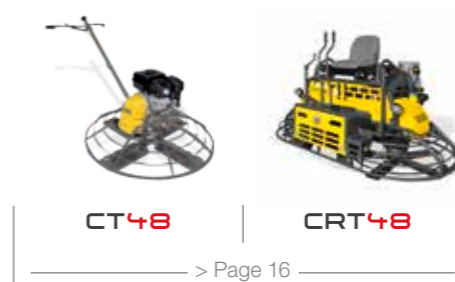
External vibrators (selection):



Vibratory tables: Frequency converters (selection):



Trowels (selection):



Wet screed:

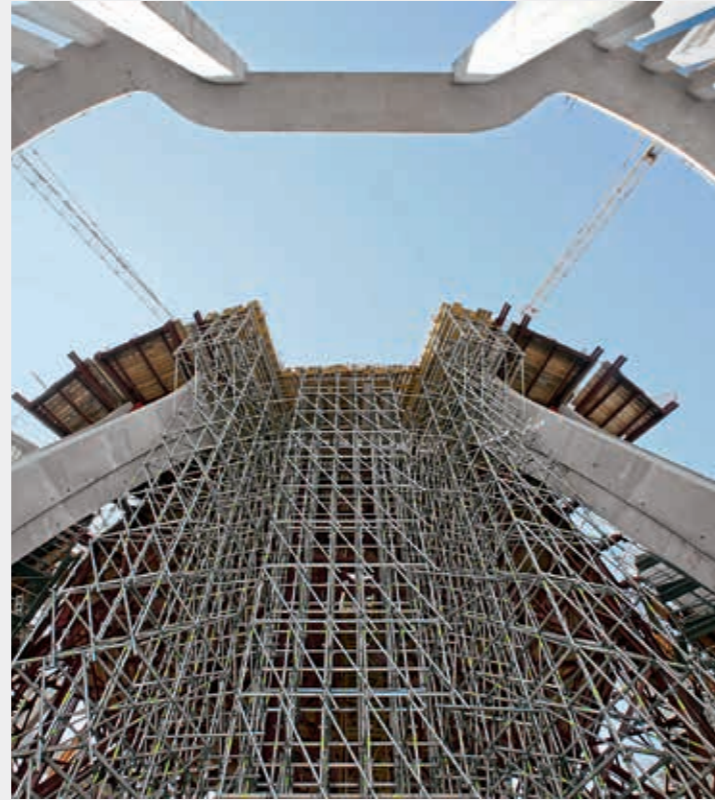


Rebar tier:



The concrete specialists: Cooperative. Advisory. Professional.

Engineers and application specialists from Wacker Neuson concrete solutions support you with far more than the sale of high quality and reliable concrete technology: For customers from the areas of precast concrete parts, formwork and plant engineering as well as large construction sites, we offer unique planning and consultation services, technical support and much more. We are there for you and your customers. Worldwide.



Precast concrete parts

Flexibility and individual and economic solutions matter in concrete precast parts factories. We provide you with comprehensive support in equipment planning and develop vibration and control solutions that are tailored to your processes.

Our services for precast concrete part factories:

- Consulting and planning of vibration and control systems
- Creation of economical concepts and process optimizations
- Support during commissioning
- Country and application-specific product versions

In-situ casting construction sites

Large projects place heavy demands on the planning, implementation and quality of concrete consolidation. With the many years of experience from many international concrete projects, you have the concrete experts of the world available to you.

Our services for large construction sites:

- Project-related consolidation solutions using construction site execution planning
- Accompanying concreting on site
- Special vibration solutions for the in-situ concrete project

Plant engineering and concrete formwork

Productive facilities in the precast concrete part factory require components that are precisely coordinated with each other. We offer you modern and construction-specific vibration solutions for all plants and formwork concepts – from vibration technology to control technology to industrial automation.

Our services for plant and formwork builders:

- Customer-oriented, economical complete solutions
- Global support for all project phases
- Commissioning at the end customer by experienced application specialists
- Quick response times by the dense international sales and service network of Wacker Neuson

The World Builds on the Expertise of Wacker Neuson.

You would be amazed by how many concrete components around the world have Wacker Neuson expertise in them – including many flagship projects that have made a splash worldwide, such as the 36 kilometer long Hong Kong Zhuhai Bridge, the expansion of the Panama Canal or the Burj Khalifa in Dubai.

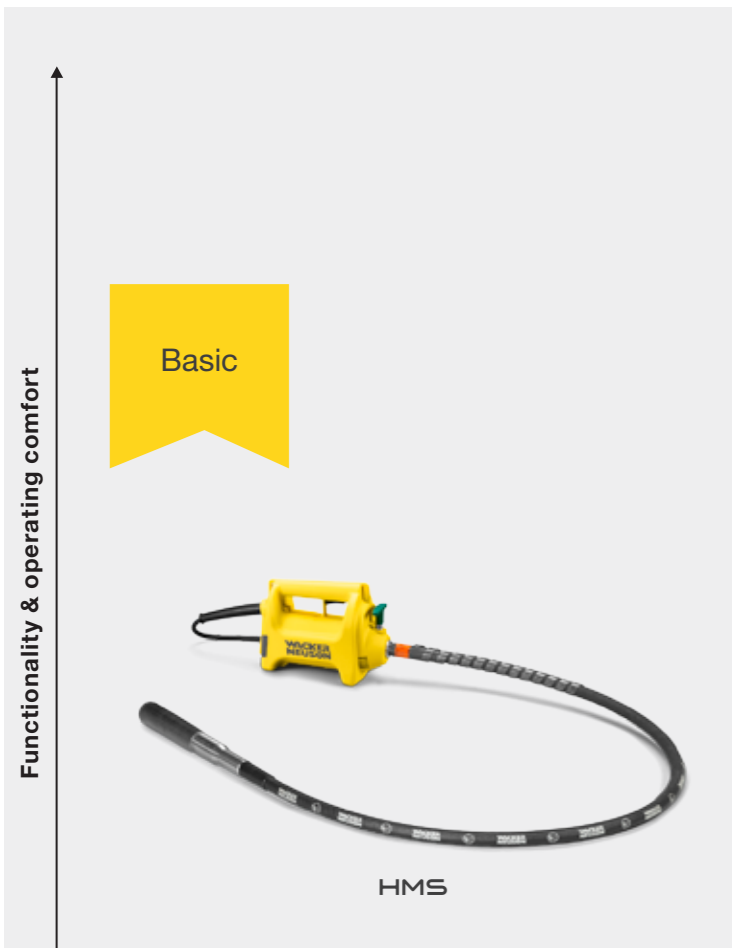
Do you have big plans? We are happy to support you in all phases of your projects – whether in bridge construction, building construction or special construction, in tunnel or lock construction – and no matter whether as a supplier or builder.



You can find more information about the concrete experts of Wacker Neuson at:
www.wackerneuson.com/concretesolutions

Internal vibrators for any requirement

Powerful internal vibrators are indispensable for consolidation. The equipment from Wacker Neuson provides you with the best work results here: With motors specially developed for application in fresh concrete, the durable and sturdy equipment compacts extremely reliably and offers a high level of safety during any work step.



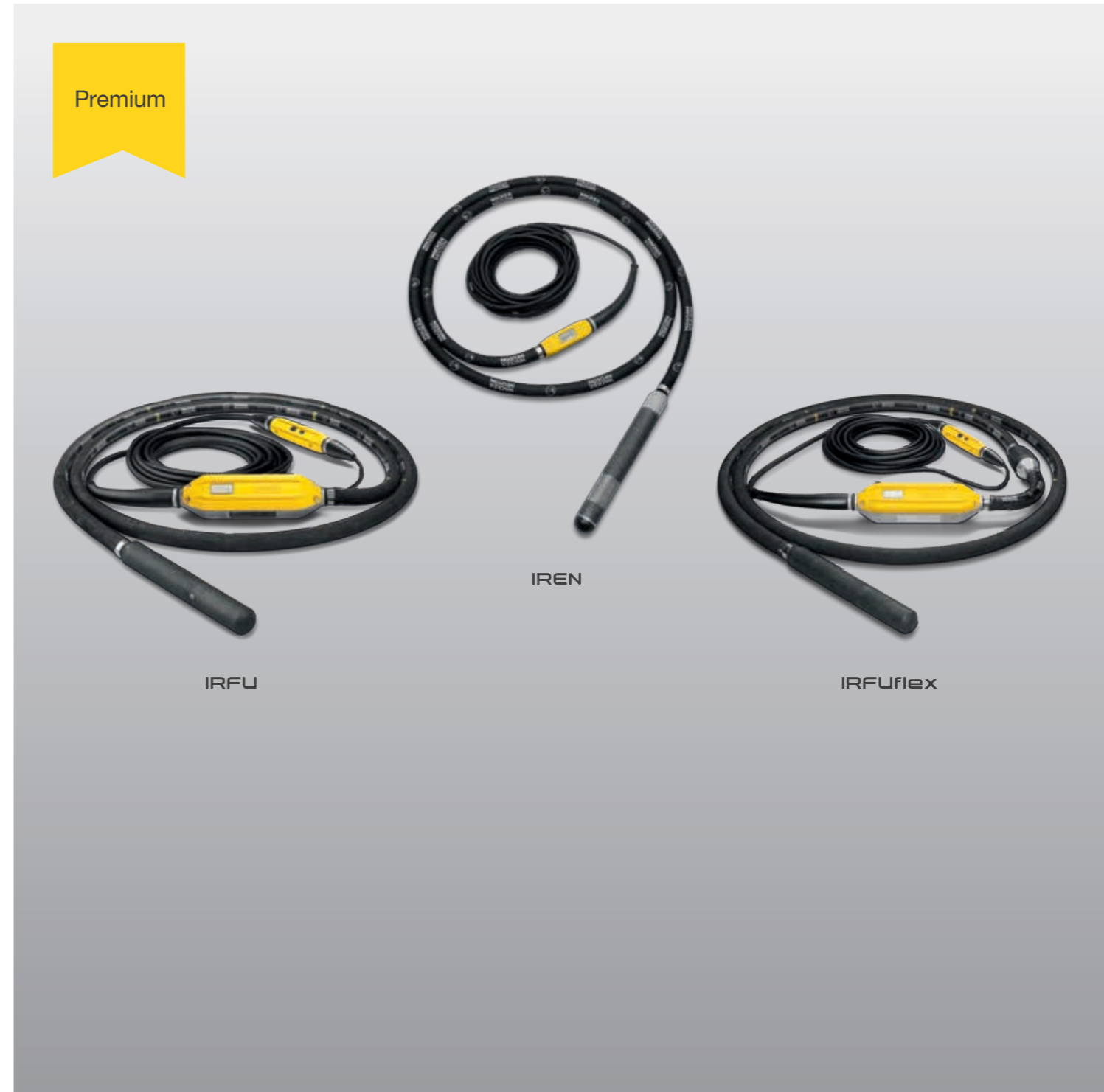
The Basic line for simple working comfort

- Individually configurable flexible shafts, vibratory heads and motors in various performance classes
- > Page 08



The Advanced line for all standard applications

- 2 model series available: IEC with converter, IE without converter
 - Sturdy quality with a good cost/benefit ratio
 - High-frequency technology for good results in concrete consolidation
- > Page 08



The Premium lines for comprehensive comfort and maximum flexibility

- 3 model series available: IRFU with converter, IREN without converter, IRFUflex, modular system with 1 invert part and 4 different vibrator head parts
 - Models with handle and bodyguard
 - High-frequency technology for good results in concrete consolidation
 - For a long service life, all components are processed at a very high-quality and are sturdy
- > Page 09

The Basic line

Basic

Flexibility and economic efficiency that will convince you: The modular HMS series can be individually configured to meet your needs exactly.

- 1. Flexible shaft:** Steel mesh and spiral steel protection provide for a high kink resistance.
- 2. Vibrator head:** Good consolidation performance with high wear resistance and long service life thanks to the induction-hardened vibrator head.
- 3. Drive motor:** Optionally with a combustion engine or an electric motor in different power classes, with easy to operate quick disconnect coupling and efficient air filter.



The Advanced line

Advanced

A sophisticated machine concept in a robust design: The model lines IE and IEC by Wacker Neuson offer reliable concrete consolidation performance.

- High-frequency technology for good results in concrete consolidation
- Sturdy quality with a good cost/benefit ratio
- Durable and low-wear vibrators, additionally tempered in the bottom third
- Sturdy polyurethane power cable



The models of the IEC series have a fault current protective switch in the converter housing.



Sturdy high-frequency internal vibrator for optimum results, with an attractive cost/benefit ratio.

Reduce equipment: The IEC-series has an integrated frequency converter; which makes additional devices superfluous.

Vibrator heads
Available in 3 different sizes.

Vibrator head length (mm)	345	382	400
Vibrator head diameter (mm)	38	45	58
Protective hose length	IE and IEC: max. 10 m		

You can find additional details about all internal vibrator systems at: www.wackerneuson.com/internal-vibrators

The Premium line

Premium

Internal vibrators IREN and IRSEN

Even under tough conditions, these high-frequency internal vibrators boast an all-round consistently high consolidation performance.

- Integrated thermal overload protection breaker
- Entire vibrator head body hardened
- Versions available with extremely durable, vulcanised rubber cap, ideal for protecting the formwork



Designed, developed and produced in Germany

Internal vibrator IRFU and IRSE-FU

Due to an integrated frequency converter, these high-frequency internal vibrators of the IRFU series are best suited for independent use.

- Built-in frequency converter
- Trouble-free service, even with generators and fluctuating input voltages
- Potted electronic components make the converter wear-free



Modular internal vibrator system IRFUflex

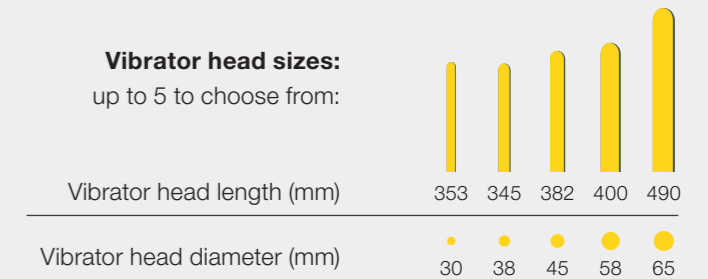
Maximum flexibility as well as reduced costs: In the IRFUflex series, the vibrator head part can be easily replaced in a few simple steps. The modular system with its easy to use coupling makes this possible.

- Reduced acquisition and maintenance costs due to interchangeable parts
- Coupling point for quickly screwing the vibrator head part on and off
- Vibrator head options with and without rubber nose cap available

Flexible modular series for optimal consolidation: The converter part can be combined with 4 different vibrator head parts (diameter 30-58 mm) in any hose lengths up to 10 m.



Vibrator head sizes:
up to 5 to choose from:



Protective hose length IRFU and IRFUflex: max. 10 m
IREN: max. 18 m

All IRFU, IRSE-FU and IRFUflex with Bodyguard®:

- For a simple connection to any power source
- Optimal operator protection: Interrupts the power supply if necessary within 3 msec.
- Particularly convenient: The Bodyguard® can continue to be used when replacing the cable



External vibrator

Whether for in-situ formwork or for light to heavy concrete component formwork, whether for use in precast factories, material transport or further industrial applications: Wacker Neuson offers over 40 powerful external vibrators with various speed and voltage versions. Our concrete specialists are happy to advise you so you can find the perfect solution for your project. They will help to make the right selection and with the sizing of the vibrators, for questions about the electric power supply and control technology as well as assembly and commissioning. In this way, you achieve the optimal result for your application area.

- RPM-stable asynchronous motor
- Finely tiered product range: All external vibrators are available in many voltages/frequencies
- Different voltage and RPM versions
- Made in Germany design and development and production
- Various fastening options for the optimal attachment to the formwork



AR43

Ideally suited for light and medium-weight formwork in precast factories.



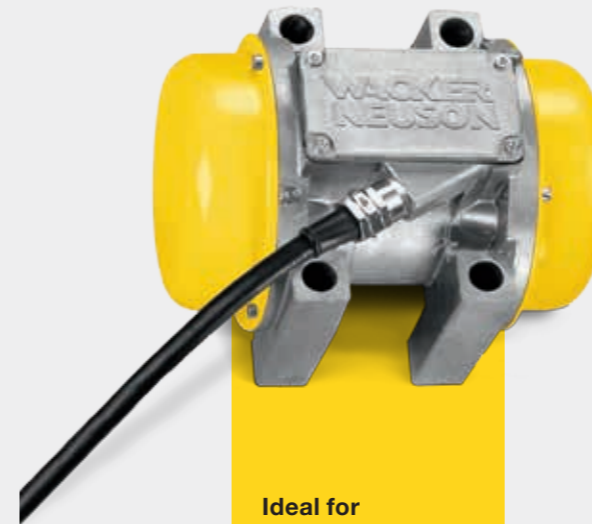
AR34



AR26

Ideal for quality exposed concrete surfaces – particularly suitable for application on in-situ casting construction sites due to its low weight.

AR63

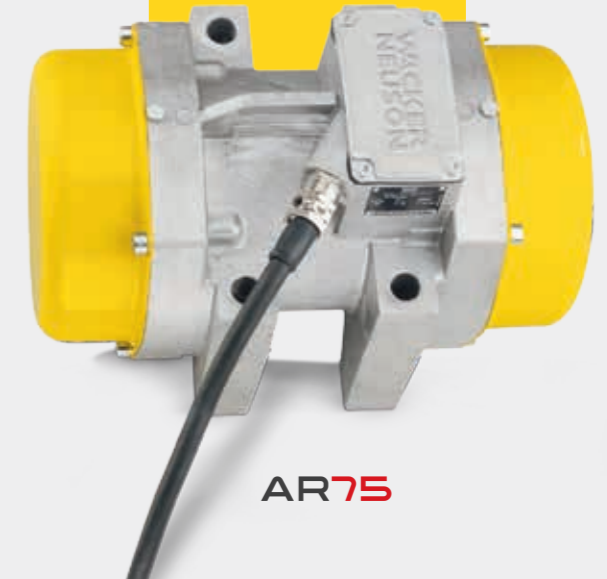


Ideal for application in concrete and precast factories.



AR54

The right choice for heavy precast formwork and material transportation.



AR75

The practical helper: the exposed concrete kit

With the exposed concrete kit, you are perfectly equipped for the consolidation of high quality exposed concrete surfaces. The sturdy wooden box on a steel plate contains a frequency converter, external vibrators and fastening clamps.

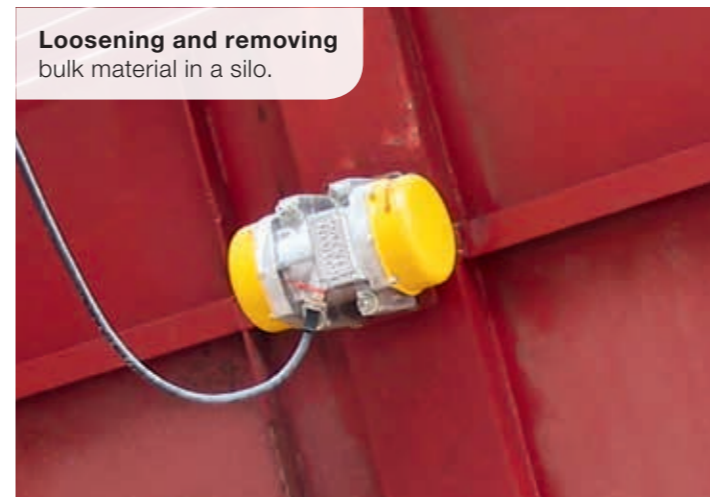


Flexible for in-situ concrete applications

There is a large selection of fastening clamps available from Wacker Neuson for the AR26. These can be attached to all common formwork.



Loosening and removing bulk material in a silo.



Perfect for selective construction site application: The ARFU26 is fitted with an integrated converter.



The PEV series

The pneumatic external vibrators of the PEV series are the first choice for endurance applications or a lack of a power supply. They are particularly durable and low-maintenance thanks to their simple and sturdy design.

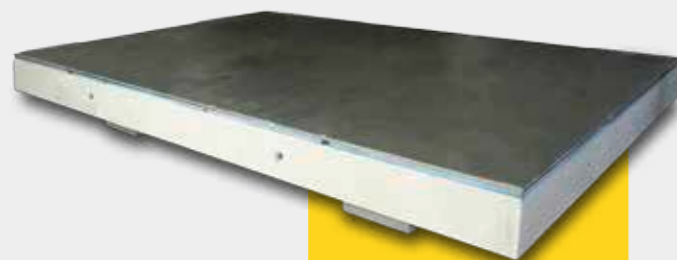
- 5 models with different vibration frequencies and centrifugal forces for lightweight to heavy formwork
- As a standard includes quick release clamps and operator's manual



Ideal for lightweight formwork such as rod portion formwork and formwork carriages.

Tailor-made vibratory tables

Vibratory tables offer flexible application options in industrial concrete processing, whether for small series, special parts or relief in series production. Wacker Neuson produces all vibratory tables according to precise customer requirements - in size, outfitting and function.



VTS

Completely pre-assembled: Thanks to plug & play, you can start with production immediately.

Laboratory vibrating table

- Fixed or variable vibration frequency
- Excellent consolidation performance
- Durable thanks to high-quality construction

Vibratory trestle

- Versatile application options in production
- High economic efficiency thanks to simple design
- Sturdy and reliable

Low-noise vibratory table

- Low noise emission
- High quality of exposed concrete thanks to uniform consolidation
- Permanent dimensional stability due to full-surface support

High frequency converter

The FUH20 weighs just 8.9 kilograms. The frequency converter is easy to transport on the job site and therefore flexible in application. Wacker Neuson was the first company to implement the high-frequency technology for construction site converters, which has been time-tested and proven in other industries.

- Frequency converter with a 20-amps outlet
- Innovative high-frequency technology – top performance with compact dimensions and low weight
- Long service life, thanks to the extremely durable aluminum housing
- Ideally suited for operation of Wacker Neuson internal vibrators with a vibrator head diameter of up to 58 mm, as well as for AR26/6/042



Efficient design of cooling fins, absolutely reliable operation, also when contaminated by concrete.

Transport conveniently thanks to practical handle in combination with just 8.9 kg of weight.



Number of connectible internal and external vibrators to frequency converter

	Rated current A	FUH20
Rated current A		20
Number of plug receptacles (32A)		1
IREN30, IE38	3.5/5	1
IREN38, IE45	7.5/8	1
IREN45, IE58	10.0/12.2	1
IREN57	17.3	1
IREN65	25.0	0
AR26/6/042	9.0	1

Electronic frequency converter.

Impressive performance, even during continuous application: These converters meet the highest demands with their high quality electronics and the active cooling system.

- Light and compact design
- Good handling thanks to the sophisticated aluminum design
- The intelligent load and voltage management compensates for fluctuating mains input voltages, incorrectly sized extensions or consumers with greatly varying uses of power
- FUE models with single-phase mains connection 230 V: can be used on pulse and current sensitive protective ground fault interrupters
- FUE models with three-phase mains connection 400 V: can be used on all current sensitive protective ground fault interrupters
- Maximum safety: galvanic separation by means of isolating transformer
- Maintenance-free



KTU2

Flexible use
due to the 25-m power cable and low weight.



FUE6

The FUE series:
quickly to the site of application, powerful.

Compelling: high-quality electronics and active cooling system.

Number of connectible internal and external vibrators to frequency converter

Rated current A	KTU2	FUE1	FUE2	FUE6	FUE-M/S75A	FUE-M/S85A
Rated current A	35.0	25.0	35.0	52.0	75.0	85.0
Number of plug receptacles (32A)	2	1	2	3/4	4/6	4
IREN30, IE38	3.5/5	2	1	2	3/4	4/6
IREN38, IE45	7.5/8	2	1	2	3/4	4/6
IREN45, IE58	10.0/12.2	2	1	2	3/4	4/6
IREN57	17.3	2	1	2	3/3	4/4
IREN65	25.0	1	1	1	2/2	2/3
AR26/6/042	9.0	2	1	2	3/4	4/6

Mechanical frequency converters

The mechanical frequency converters from Wacker Neuson are compact powerhouses and are ideal for long-time application.

- Very robust and long service life
- Extremely low-maintenance: These converters work without carbon brushes
- Immune to overheating: The windings are made of heat-resistant Class H material and can withstand temperatures of up to 180 °C



FU4/200W

Uncomplicated design
combined with simple and safe operation.

Number of connectible internal and external vibrators to frequency converter

Rated current A	FU1.5/200W	FU1.8/200W	FU4/200W	FU52/200W
Rated current A	20.6	27.0	52	69.0
IREN30, IE38	3.5/5	2	2	3
IREN38, IE45	7.5/8	2	2	3
IREN45, IE58	10.0/12.2	2	2	3
IREN57	17.3	1	1	3
IREN65	25.0	-	1	2
AR26/6/042	9.0	2	2	3

Stationary frequency converter

FUE-M38



The stationary converters are particularly suitable for precast concrete part factories. They can be integrated into a complete switching system here and offer tailor-made adjustment options.

- Industry-suitable due to the processing of high-quality components
- Long service life
- Operationally reliable: "Inner workings" are ideally protected from environmental conditions, such as high humidity, due to industry-suitable steel plate housing.
- Radio control and PLC control can be integrated in all devices
- Project-tailored adjustment possible for all devices

(Standard) power levels 17A, 23A, 31A, 43A, 57A, 71A*
Housing dimensions 1 (17-43A) mm (LxWxH) 800x1200x400*
Housing dimensions 2 (57+71A) mm (LxWxH) 800x1600x500*

Perfectly tailored to the frequently varying requirements.

* Other sizes and power classes are available by customer request.

Walk-behind trowel

Floating, finishing, polishing: Our trowels take care of three tasks at once – for a first-class level concrete floor. The walk-behind trowels are particularly maneuverable and flexible - ideal for working along the edge of surfaces or around obstacles, such as columns.

- Different power classes and sizes for small to large concrete areas: walk-behind, electric: 2 models in 2 troweling diameter sizes, walk behind, gasoline-powered: 11 models in 3 troweling diameter sizes
- Optimally balanced for minimum force expenditure
- Variable rpm (speed) range: low rpm for floating, high for polishing
- Individually selectable, low vibration guide handles for maximum comfort
- Emergency shutdown: Standstill after a maximum of a 3/4 revolution upon letting go of the handle

CT36

The flexible: can be individually configured with different engine versions and handles – for medium-sized areas.



CT48



The maneuverable: our smallest trowel for edge areas, pillars and small concrete areas.

CT24



Particularly environmentally and user-friendly: our electric versions

The powerful: with 1,220 mm troweling diameter for efficient screeding of medium-large to large areas.



CT24: smooth concrete up to the edge – optionally with electric motor or gasoline engine.

Ride-on trowel

Ride-on trowels are more efficient for very large concrete areas, since they can process large areas in a short period of time. You also take care of the three tasks floating, finishing and polishing with just one unit.

- 3 models in 2 troweling diameter sizes
- High productivity, therefore particularly suitable for large areas
- Optimum maneuverability thanks to its balanced power-to-weight ratio
- Variable rpm (speed) range: low rpm for floating, high for polishing
- Sensitive, ergonomically designed double-lever controls
- Adjustable seat for maximum comfort

CRT48

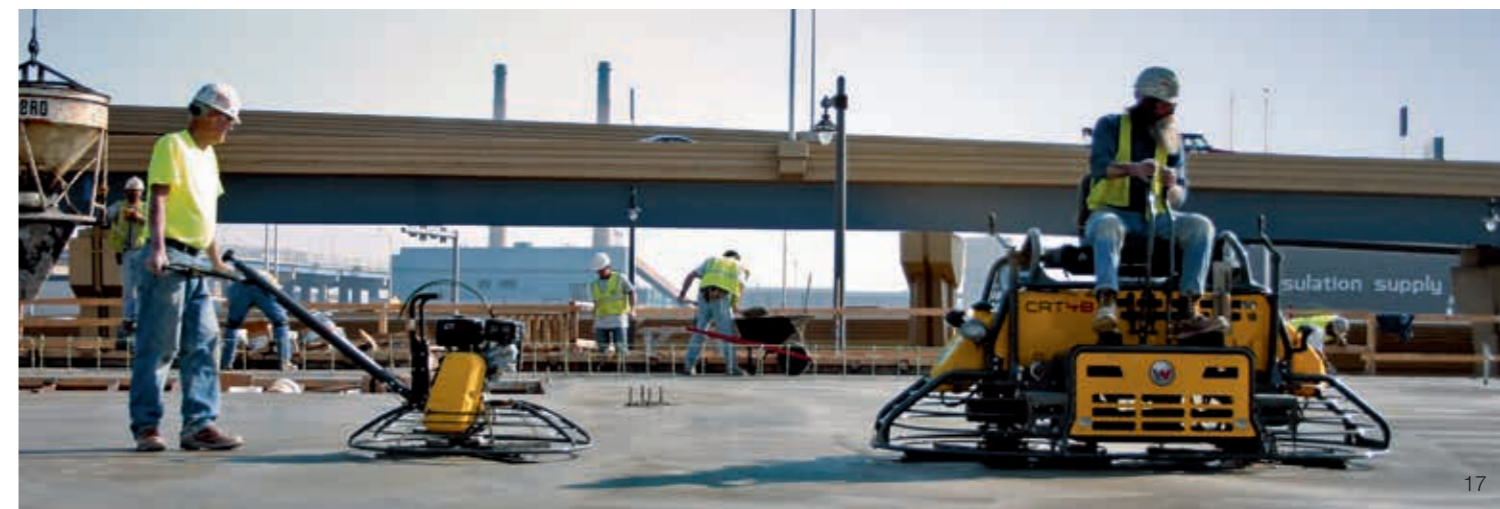
The construction site professional: ergonomic steering system for easy steering without early fatigue.



The practical: with integrated wheel set for simple and quick blade replacement.



CRT36



Spread, strike-off, consolidate: with the wet screed P35.

When processing concrete floors, our engine-driven wet screed takes care of three work steps in one. In the process, it is not only extremely practical, but also very easy to operate. Due to the lift handles, it can easily be moved on the concrete and, thanks to the adjustable centrifugal force, it delivers first-class results on all types of concrete.

- Extremely mobile machine concept
- Easy to operate
- Enclosed eccentric housing to protect against dirt, concrete and splash water



Never stoop again: with the rebar tier DF16.

The rebar tier from Wacker Neuson puts an end to tying reinforcing steel with pliers in a stooped position. Perfect for traditional work on reinforcement and for effortless securing of plastic pipes – all in a healthy upright position. The unit works completely mechanically, which means: no battery charging times or expensive replacement batteries. Very easily attach practical holster to your waistband. Experience our innovation live now:

www.wackerneuson.com/DF16



- **Variable:** for horizontal (ceilings, floor plates) as well as vertical application (walls, columns)
- **Precise:** uniformly drilled, tight knots
- **Ergonomic:** minimized health risk due to the anatomically correct, upright posture
- **Comfortable:** lightweight and can be operated with just one hand
- **Efficient:** up to 1,000 gussets per hour



Technical data

FREQUENCY CONVERTERS	SPECIFICATION	UNIT	FUH20	FU1.5	FU1.8	FU4	FUSZ	FUE1	FUE2	FUE2
			200W	200W	200W	200W	200W	42/200W	42/200W	250/200W
Weight	kg		8.9	27	26	64	75	25	26.4	26.4
Input / output voltage	V		230/42	230, 1~/42, 3~	400, 3~/42, 3~	400, 3~/42, 3~	400, 3~/42, 3~	230, 1~/42, 3~	230, 1~/42, 3~	230, 1~/250, 3~
Input / output frequency	Hz		50/200	50-60/200	50-60/200	50-60/200	50-60/200	50/200	50/200	50-60/200
Input / output current	A		7.8/20	230, 1~/42, 3~	5/27	10/52	13.2/69	9.6/25	13/35	13/6
Power cable	m		1.5	2	2	2	2	2.5	2.5	2.5
Number of outlets	units		1	2	2	3	4	1	2	2

FREQUENCY CONVERTERS	SPECIFICATION	UNIT	KTU2	FUE6	FUE10	FUE10	FUE M/S	FUE M/S	FUE M/S
			42/200W	42/200W	42/200W	250/200W	75A	85A	225A
Weight	kg		34.4	32.5	87	87	29.5	42	150
Input / output voltage	V		230, 1~/250~	230, 1~/42, 3~	400/42, 3~	400, 3~/250, 3~	400/42, 3~	400/42, 3~	400/42, 3~
Input / output frequency	Hz		50-60/200	50/200*	50-60/0-200	50-60/0-200	50-60/0-200	50-60/0-200	50-60/0-200
Input / output current	A		13/35	14.8/53	24.5/145	24.5/25	13.7/75	13/85	29/225
Power cable	m		25	2.5	3	3	2.5	2.5	-
Number of outlets	units		2	3**	-	-	4***	4	-

* Version available with 0-200 Hz ** Version available with 4 outlets *** Version available with 2 or 6 outlets

TROWELS	SPECIFICATION	UNIT	CT24-4A	CT24-230E	CT36-400E	CT36-5	CT36-6	CT36-8A
			Operating weight	kg	73	74	104*	104*
Troweling diameter	mm	610	610	915	915	915	915	
Speed range	rpm	90-141	116	50-100	60-125	60-125	60-125	
Pitch range*	°	0-15	0-15	0-30	0-30	0-30	0-30	
Drive system		air-cooled, single cylinder, 4-cycle, gasoline engine	electric motor, 230 V, 50 Hz 1~	electric motor, 400 V, 50 Hz 3~	air-cooled, single cylinder, four-cycle, gasoline engine			
Drive output at RPM	kW rpm	2.9 3,600	2.2 2,870	2.6 1,400/2,850	4.3 3,800	4.3 4,000	6.2 3,800	

TROWELS	SPECIFICATION	UNIT	CT36-8A-V	CT36-9	CT36-9-V	CT48-8A	CT48-9	CT48-11A	CT48-13A-V
			Operating weight	kg	90*	80*	87*	96*	93*
Troweling diameter	mm	915	915	915	1,220	1,220	1,220	1,220	
Speed range	rpm	20-200	60-125	20-200	60-125	60-125	60-125	20-200	
Pitch range*	°	0-30	0-15	0-30	0-30	0-30	0-30	0-30	
Drive system		air-cooled, single cylinder, four-cycle, gasoline engine							
Engine output at RPM	kW rpm	6.2 3,800	6.7 4,000	6.7 4,000	6.2 3,800	6.7 4,000	8.7 3,800	10 4,000	

TROWELS	SPECIFICATION	UNIT	CRT36-26A-WK	CRT36-25	CRT48-37V
			Operating weight	kg	373
Troweling diameter	mm	915	915	1,220	
Speed range	rpm	25-165	25-165	25-170	
Pitch range*	°	0-25	0-25	0-25	
Drive system		air-cooled, single cylinder, four-cycle, gasoline engine			air-cooled, two-cylinder, four-cycle gasoline engine
Engine output at RPM	kW rpm	16.6 3,600	18.6 3,600	27.6 3,600	

Technical data

HMS INTERNAL VIBRATOR	H25 H25S H25HA H35 H35S H35HA H45 H45S H45HA H50HA H55 H65															
	VIBRATOR HEADS		» Basic «													
	SPECIFICATION	UNIT														
	Diameter	mm	25	25	26	35	35	36	45	45	45	50	57	65		
	Length	mm	440	295	380	410	310	405	385	305	390	395	410	385		
	Weight	kg	1.3	0.8	1.3	2.1	1.6	2.3	3.4	2.8	3.3	3.9	5.3	6.2		
FLEXIBLE SHAFTS	SM1-E SM2-E SM4-E SM0-S SM1-S SM2-S SM3-S SM4-S SM5-S SM7-S SM9-S															
	SPECIFICATION		» Basic «													
	SPECIFICATION	UNIT														
	Length	m	1	2	4	0.5	1	2	3	4	5	7	9			
	Weight	kg	1.5	2.5	4.3	1.3	2.7	4.3	5.9	7.1	9.3	12.9	15.1			
DRIVE SYSTEMS	in M1500				in M2500				A5000/160				L5000/225			
	SPECIFICATION		» Basic «													
	SPECIFICATION	UNIT														
	Drive system		double insulated universal motor				double insulated universal motor				air-cooled, single cylinder, four-cycle, Honda gasoline engine				air-cooled, single cylinder, four-cycle, Kohler diesel engine	
	Voltage	V	230				230				-				-	
	Current	A	6.5				7.8				-				-	
	Output	kW	1.5				1.8				4				3.3	
	Weight	kg	5.3				5.9				23.7				35.6	

INTERNAL VIBRATORS	IE38 IE45 IE58 IEC38 IEC45 IEC58							
	with integrated converter							
	SPECIFICATION		» Advanced «					
	Vibrator head diameter	mm	38	45	58	38	45	58
	Effective consolidation diameter*	cm	-	-	-	-	-	-
	Voltage	V	42	42	42	220-240	220-240	220-240
	Current	A	5	8	12	3	4	5
	Frequency	Hz	200	200	200	50-60	50-60	50-60
	Protection hose**/power cable	m	10/15	10/15	10/15	10/15	10/15	10/15

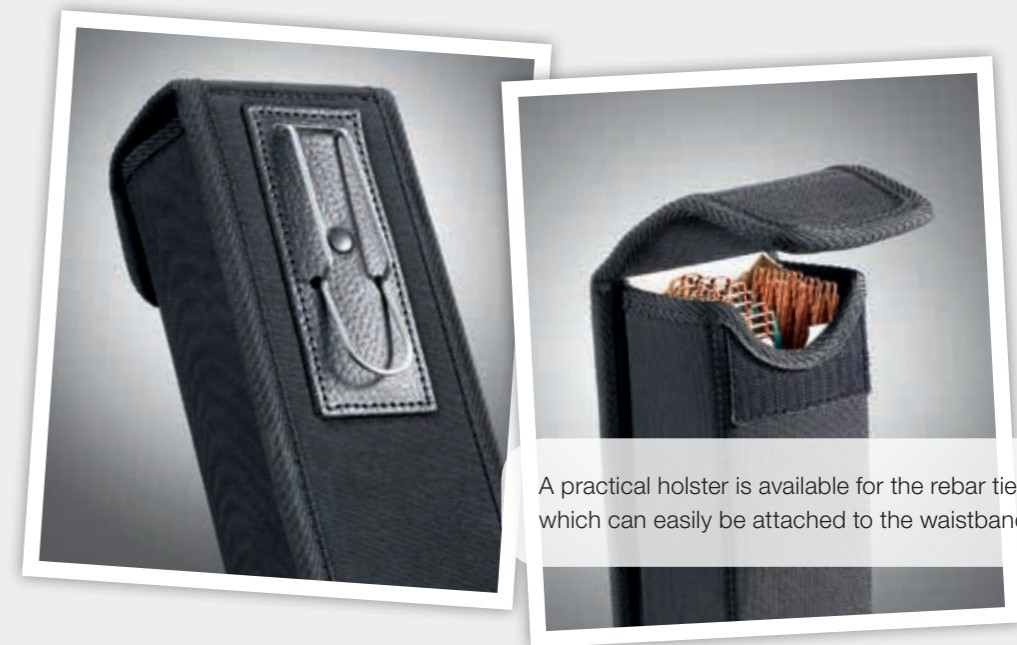
INTERNAL VIBRATORS	IREN30 IREN38 IREN45 IREN57 IREN65 IRSEN30 IRSEN38 IRSEN45									
	SPECIFICATION		» Premium «							
	SPECIFICATION	UNIT								
	Vibrator head diameter	mm	30	38	45	57	65	30	38	45
	Effective consolidation diameter*	cm	40	50	60	85	100	40	50	60
	Voltage	V	42	42/250	42/250	42/250	42	42	42	42
	Current	A	3.5	7/1.4	10/1.85	17.3/3	25	3.5	7	10
	Frequency	Hz	200	200	200	200	200	200	200	200
	Protection hose**/power cable	m	18/15	18/15	18/15	18/15	18/15	0.8/15	0.8/15	0.8/15

INTERNAL VIBRATORS	IRSEN57 IRFU30 IRFU38 IRFU45 IRFU57 IRFU65 IRSE-FU45 IRSE-FU57									
	with integrated converter									
	SPECIFICATION		» Premium «							
	Vibrator head diameter	mm	57	30	38	45	57	65	45	57
	Effective consolidation diameter*	cm	85	40	50	60	85	100	60	85
	Voltage	V	42/250	220-240, 1~	220-240, 1~	220-240, 1~	220-240, 1~	220-240, 1~	220-240, 1~	220-240, 1~
	Current	A	17.3/3	2.2	3.5	4.8	6	10	4.8	6
	Frequency	Hz	200	50-60	50-60	50-60	50-60	50-60	50-60	50-60
	Protection hose**/power cable	m	0.8/15	10/15	10/15	10/15	10/15	10/15	0.8/15	0.8/15

FUFLEX	FUflex4/230			IRFLEX	IRflex30 IRflex38 IRflex45 IRflex57				
	SPECIFICATION		UNIT		SPECIFICATION		UNIT		
		Weight	kg		9.4	Weight	kg	6.7	10.7
	Output voltage	V	220	Vibrator head diameter	mm	30	38	45	57
	Rated current	A	6	Length of protection hose max.	m	10	10	10	10
	Output current	A	3.5	Frequency	Hz	200	200	200	200
	Power cable	m	15	Vibrations	rpm	12,000	12,000	12,000	12,000

REINFORCEMENT REBAR TIER			DF16*	
	SPECIFICATION		UNIT	
		Operating weight	kg	2.2
	Number of tie wires per tie wire strip (magazine)	pieces	77	
	Tie speed	knots / h	approx. 1,000	
	Tie speed	sec/knot	approx. 0.8	
	Exterior diameter of the round materials to be tied	mm	Minimum 6 + 6 / Maximum 16 + 16	
	Rebar tier order sizes (copper-coated steel wire)		Box: 7,700 tie wires / pallet: 138,600 tie wires	

* Awarded for excellent performances in occupational health and safety protection by the Trade Association of the Construction Industry



A practical holster is available for the rebar tier DF16, which can easily be attached to the waistband.

WET SCREED			P35	
	SPECIFICATION		UNIT	
		Operating weight	kg	15.5
	Drive system		air-cooled, single cylinder, four-cycle, gasoline engine	
	Performance	kW/hp	1.2/1.6	
	At rpm	rpm	7,000	

Technical data

EXTERNAL VIBRATORS			AR26/3/230w	AR26/3/400	AR26/3.6/230	AR26/6/042	AR26/6/042	AR26/6/042cs	AR26/6/250	ARFU26/6/115UK	ARFU26/6/230	AR 34/3/230V**	
	SPECIFICATION	UNIT	>> 2-series <<						>> 3-series <<				
Speed	rpm		3,000	3,000	3,600	6,000	6,000	6,000	6,000	6,000	6,000	6,000	0-5,220
Max. centrifugal force	kN		3.00	3.00	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.47	0-6.93
Voltage*	V		230, 3~	400, 3~	230, 3~	42, 3~	42, 3~	42, 3~	250, 3~	110-130, 3~	220-240, 3~		0-400, 3~
Current	A		1.75	0.57	1.1	8.0	8.0	8.0	1.35	12.0	6.0		1.3
Weight	kg		7.0	6.2	5.5	6.3	6.5	7.5	4.6	18.0	18.0		6.3
Fastening (length x width)	mm		90x125	90x125	90x125	90x125	90x125	90x125	90x125	90x125	90x125		120x120

EXTERNAL VIBRATORS			AR34/3/400	AR34/6/042	AR34/6/250	AR43/3/230V*	AR43/3/400	AR43/6/042	AR43/6/250	AR52/6/042	AR52/6/250	AR52/9/042
	SPECIFICATION	UNIT	>> 3-series <<				>> 4-series <<			>> 5-series <<		
Speed	rpm		3,000	6,000	6,000	0-5,220	3,000	6,000	6,000	6,000	6,000	9,000
Max. centrifugal force	kN		3.47	6.98	6.98	10.42	10.02	10.02	10.02	14.14	14.14	13.77
Voltage*	V		400, 3~	42, 3~	250, 3~	0-400, 3~	400, 3~	42, 3~	250, 3~	42, 3~	250, 3~	42, 3~
Current	A		0.75	9.0	1.7	1.5	0.6	12.0	2.0	18.2	2.7	14.0
Weight	kg		7.0	5.9	5.9	8.8	12.2	8.4	8.4	18.6	18.6	17.9
Fastening (length x width)	mm		120x120	120x120	120x120	90x154	90x154	90x154	90x154	120x120	120x120	120x120

EXTERNAL VIBRATORS			AR53/3/400	AR53/6/042	AR53/6/250	AR53/9/042	AR53/9/250	AR54/6/250	AR63/6/250	AR64/1.5/400	AR64/3/230	AR64/3/400
	SPECIFICATION	UNIT	>> 5-series <<					>> 6-series <<				
Speed	rpm		3,000	6,000	6,000	9,000	9,000	6,000	6,000	1,500	3,000	3,000
Max. centrifugal force	kN		14.14	14.14	14.14	13.77	13.77	14.23	19.03	5.05	16.05	16.05
Voltage*	V		400, 3~	42, 3~	250, 3~	42, 3~	250	250, 3~	250, 3~	400, 3~	230, 3~	400, 3~
Current	A		1.7	18.2	2.7	14	2.4	3.1	3.3	1.4	3.0	1.7
Weight	kg		16.8	12.3	11.6	11.6	11.6	13.4	13.9	21.0	18.7	18.7
Fastening (length x width)	mm		90x154	90x154	90x154	90x154	90x154	120x120	90x154	120x120	120x120	120x120

EXTERNAL VIBRATORS			AR64/6/042	AR64/6/250	AR64/9/042	AR75/1.5/400	AR75/3/230V*	AR75/3/400	AR75/6/042	AR75/6/250	AR75/9/042	AR75/9/250
	SPECIFICATION	UNIT	>> 6-series <<				>> 7-series <<					
Speed	rpm		6,000	6,000	9,000	1,500	0-5,220	3,000	6,000	6,000	9,000	9,000
Max. centrifugal force	kN		19.03	19.03	18.14	10.29	24.12	25.23	26.56	26.56	26.38	26.38
Voltage*	V		42, 3~	250, 3~	42, 3~	400, 3~	0-400, 3~	400, 3~	42, 3~	250, 3~	42, 3~	250, 3~
Current	A		21.5	3.1	16.0	3.4	3.8	2.4	32.0	7.5	28.0	4.3
Weight	kg		13.8	13.8	12.9	36.5	30.5	33.0	26.8	26.8	27.5	27.5
Fastening (length x width)	mm		120x120	120x120	120x120	95x180	95x180	95x180	95x180	95x180	95x180	95x180

* Available in other frequencies / voltages

** The external vibrator has a variable drill speed of 0-5,220 rpm.

PEV EXTERNAL VIBRATOR			PEV10	PEV14	PEV27	PEV45	PEV60
	SPECIFICATION	UNIT					
Speed	rpm		16,500	16,000	16,000	8,000	14,500
Centrifugal force	kN		10	14	27	45	60
Air consumption	l/min		1,100	1,200	1,600	1,800	1,800
Operating pressure	bar		6.5	6.5	6.5	6.5	6.5
Weight (without fastening clamps)	kg		7.2	7.3	14	17.6	16.3
Weight of fastening clamp	kg		3.4	3.4	4	4	4

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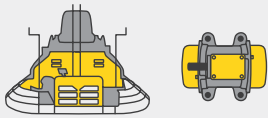
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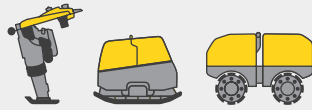
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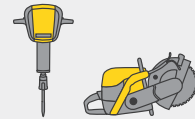
Products



Concrete technology



Compaction



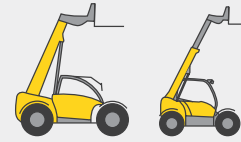
Demolition technology



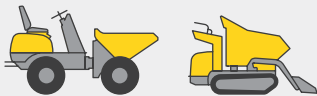
Excavators



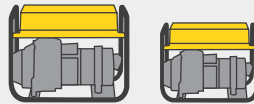
Wheel loaders



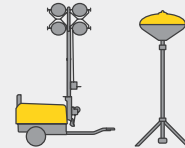
Telehandlers



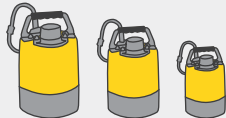
Dumpers



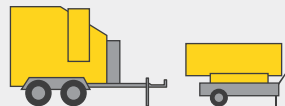
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