

# Concrete technology



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



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

## 1. Concrete technology and consulting expertise – an 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 know-how, 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.

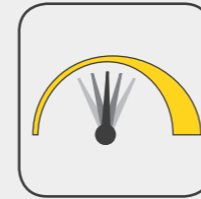
## 3. High quality and reliability – no matter what you have planned.

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!

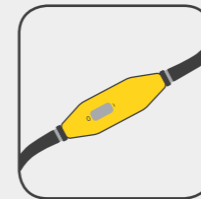
We offer products and services rendered that meet your high requirements and diverse applications. Wacker Neuson stands for reliability. This of course also applies to our solutions in the area of concrete technology. We give our best every day to ensure your success. And we do so full of passion for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

# Concrete expertise to the last detail.



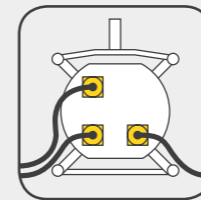
### RPM-stable motors

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



### Integrated converters

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



### External converters

Accurately 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):



ACBe | IEe | HMS | IE | IEC | IREN | IRSEN

> Page 06

> Page 10

> Page 11

## External vibrators (selection):



IRFU | IRSE-FU | IRFUflex | AR26 | AR34 | AR43 | AR53

> Page 12

> Page 14

## External vibrators (selection):



AR64 | AR75 | PEV27

> Page 14

## Vibratory tables: Frequency converter (selection):



VTS | FUE-M38 | KTU2 | FUE6

> Page 16

> Page 17

## Trowels (selection):



FUH20 | FUH35 | FUH70

> Page 18

## Wet screed:



CT48 | CRT48

> Page 20

## Rebar tier:



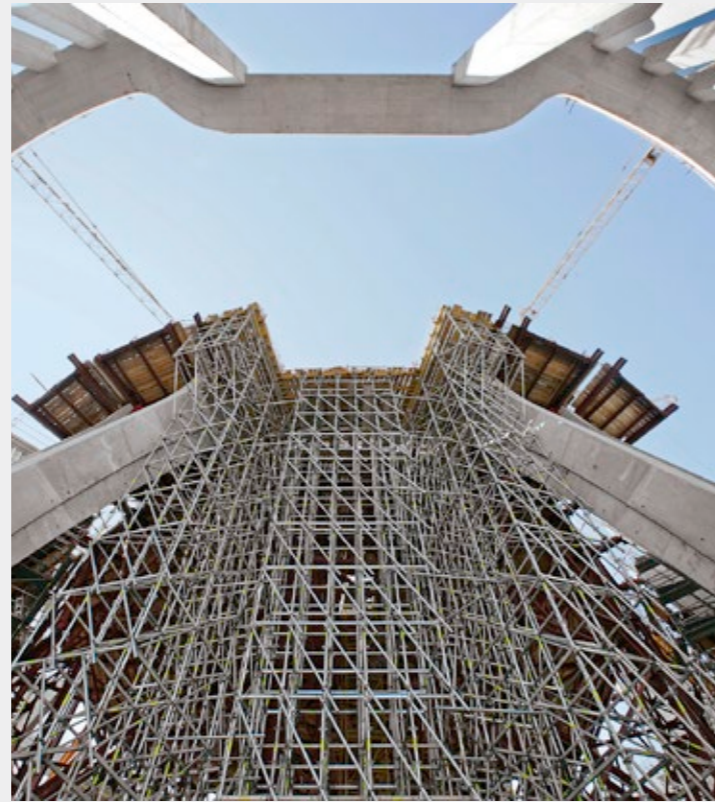
P35 | DF16

> Page 22

> Page 22

## The concrete experts: Partnership. Advisory. From an expert.

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 elements, 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. Around the world.



# CONCRETE SOLUTIONS

### Precast concrete elements

Flexibility and individual and economic solutions matter in concrete precast elements 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 elements plants:

- Advice 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 concrete 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 compaction solutions using construction site execution planning
- Accompanying consolidation processes 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 at how many concrete sites throughout the world rely on the expertise of Wacker Neuson – including a number of flagship projects that have attracted attention worldwide, such as the 36 kilometre long Hong Kong Zhuhai Bridge, the expansion of the Panama Canal or the Burj Khalifa in Dubai.

Do you have big plans? We support you in all phases of your projects – whether in bridge construction, building construction or special construction, in tunnel and sluice construction and regardless of whether you are a supplier or a builder.



You can find more information on the concrete experts of Wacker Neuson at:  
[www.wackerneuson.com/concretesolutions](http://www.wackerneuson.com/concretesolutions)

# Portable internal vibrator system

The ACBe (battery converter backpack) is the world's first portable high frequency internal vibrator system with battery drive. What this means for the end user: maximum comfort and freedom of movement during concrete consolidation, without annoying cables and frequently replugging the internal vibrator connection or moving the converter.

- Modular system provides a high level of flexibility and cost savings
- Sturdy, completely maintenance-free electric motor
- Removable battery, can be used in all battery devices from Wacker Neuson
- Converter built into backpack guarantees secure protective low voltage (34 V)
- Compact system with ergonomic weight distribution
- High frequency operation with stable rpm for optimal results

World's first



Ergonomic backpack system from German brand manufacturer guarantees ideal weight distribution and high level of wearing comfort.

**Ideal for rental yards:** the battery backpack can be combined with different vibrator heads. This saves space and money.



## The right solution for any application.

Vibrator heads are available with different hose lengths and vibrator head sizes.

Protection hose lengths (m)	1.5	3	5
Vibrator head diameter (mm)	38	45	58

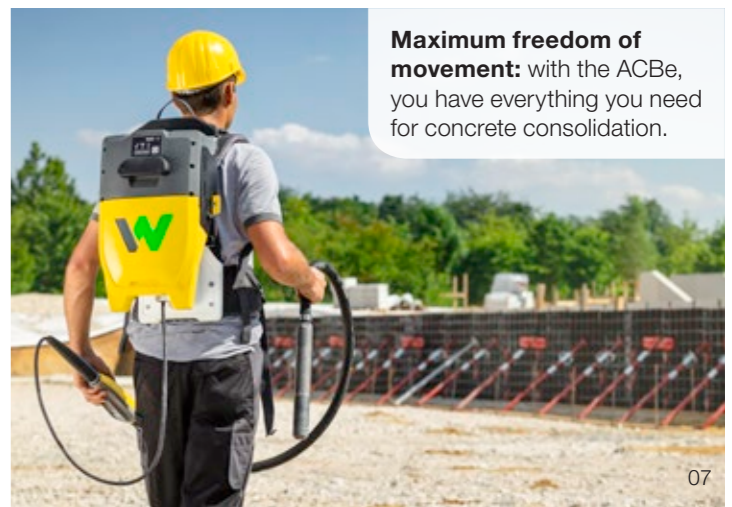
**Removable battery:** easily replace or use in another Wacker Neuson electric device.



**More safety on the construction site:** no long power cable that lands in wet concrete or becomes a tripping hazard.

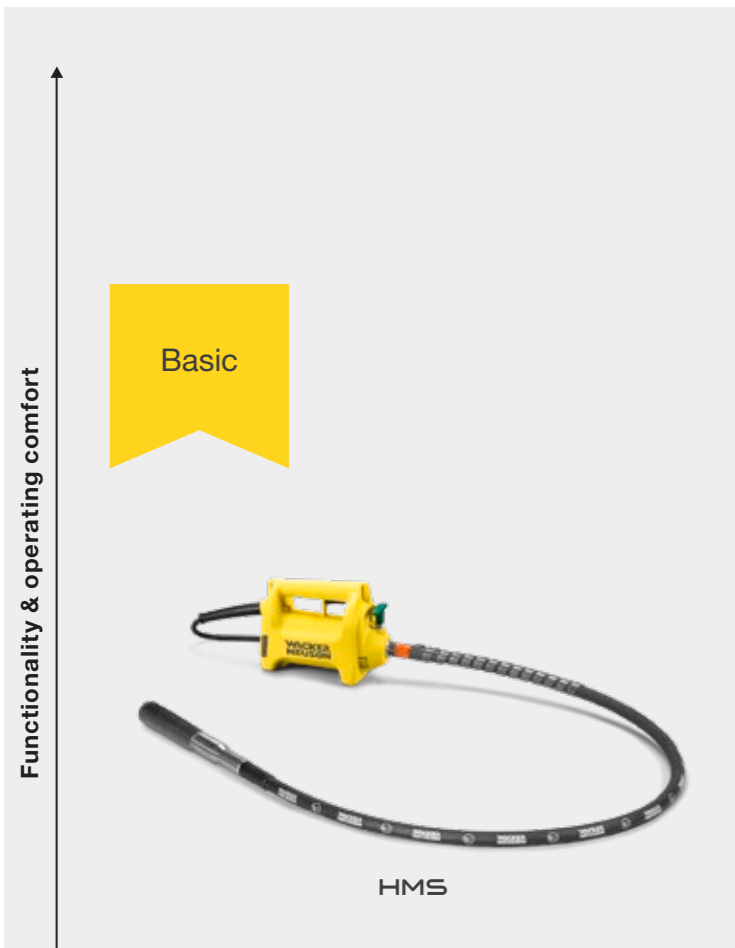


**Maximum freedom of movement:** with the ACBe, you have everything you need for concrete consolidation.



## Internal vibrators for any requirement

Powerful internal vibrators are indispensable for compaction. 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 every work step.



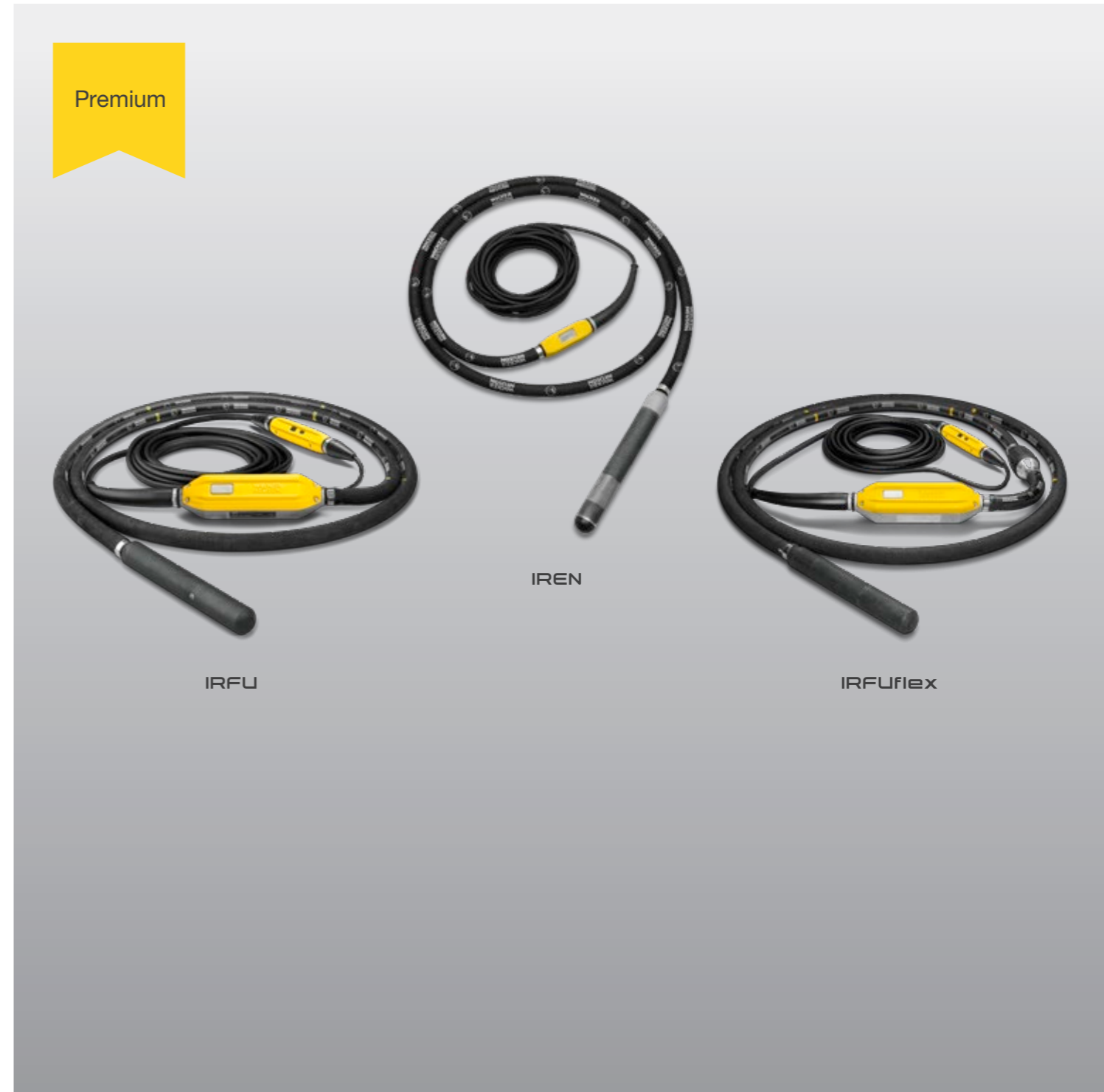
### The Basic line for simple working comfort

- Individually configurable flexible shafts, vibratory heads and motors in various performance classes
- > Page 10



### The Advanced line for all standard applications

- 2 model series available:
    - IEC with converter,
    - IE without converter
  - Sturdy quality with good price-performance ratio
  - High-frequency technology for good results in concrete consolidation
- > Page 11



### The Premium lines for comprehensive comfort and maximum flexibility

- 3 model series available:
    - IRFU with converter
    - IREN without converter
    - IRFUflex, modular system with 1 converter and 4 different vibrator heads
  - Models with handle and Bodyguard
  - High-quality technology for good results with concrete consolidation
  - For a long service life, all components are processed at a very high-quality and are sturdy
- > Page 12

# 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 compaction performance with high wear resistance and long service life thanks to the induction-hardened vibrator head.
- 3. Drive:** 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

The sophisticated machine concept in solid design: the model series IE and IEC from Wacker Neuson offer you reliable performance in terms of concrete consolidation.

- High frequency technology for good results in concrete consolidation
- Sturdy quality with good price-performance ratio
- Durable and low-wear vibrator heads, additionally tempered in the bottom third
- Sturdy polyurethane power cable

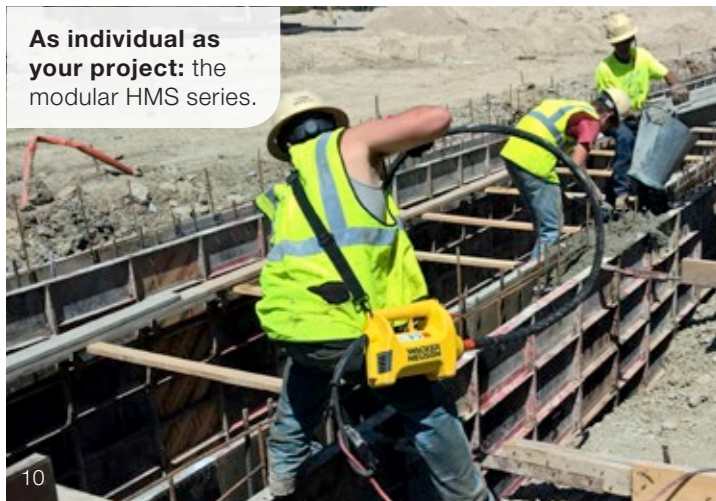
You can find additional details on all internal vibrator systems at: [www.wackerneuson.com/internal-vibrators](http://www.wackerneuson.com/internal-vibrators)



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



**Reduce equipment:** the IEC-series has an integrated frequency converter; this makes additional devices superfluous.



**As individual as your project:** the modular HMS series.



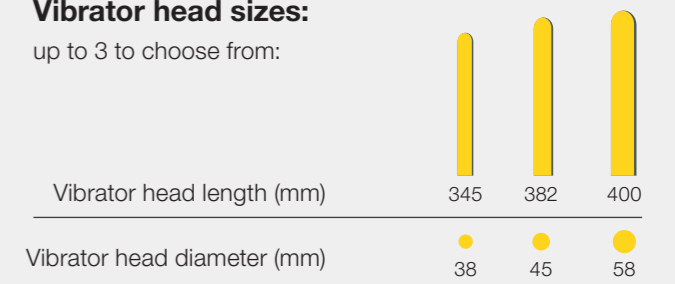
**Economic solution:** optimal concrete consolidation with simple working comfort.



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

### Vibrator head sizes:

up to 3 to choose from:



Protection hose length IE and IEC: max. 10 m

# The Premium line

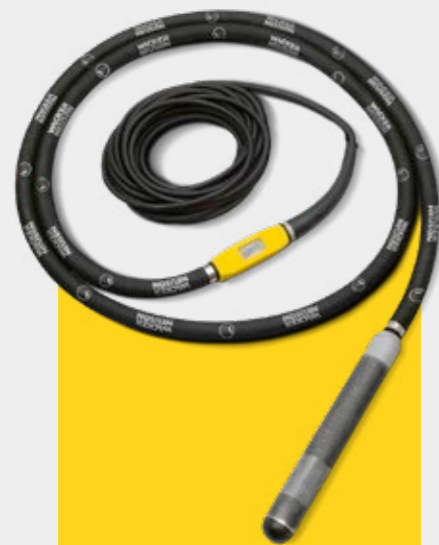
## Internal vibrators IREN and IRSEN

Even under tough application conditions, these high frequency internal vibrators will convince with an all-round consistently high compaction performance.

- Integrated thermal overload protection breaker
- Completely tempered vibrator head
- Versions available with extremely durable, cured-on rubber cap, ideal for protecting the formwork

Designed, developed and produced in Germany

### IREN



Very powerful high frequency internal vibrator, available in different model sizes.

### IRSEN



In addition to the IREN series, this model offers a practical handle.

## IRFU and IRSE-FU internal vibrators

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

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

Everything is integrated: the high frequency internal vibrator with converter and operator protection system Bodyguard.

Premium



### IRFU



### IRSE-FU

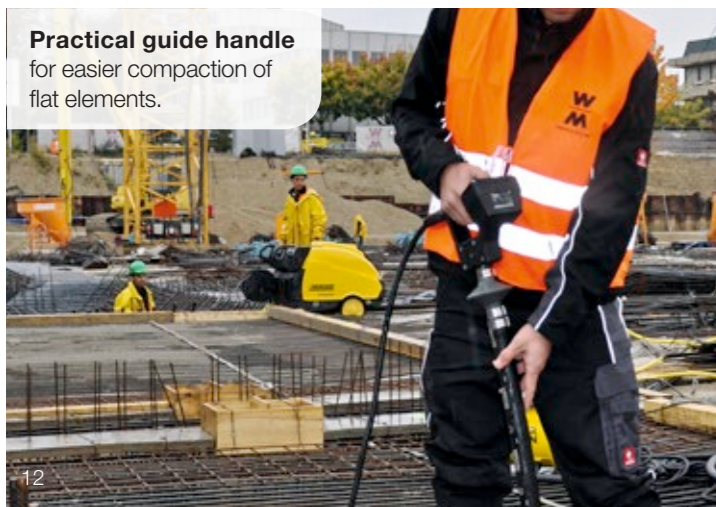
For even more comfortable handling, the IRSE-FU series has a Low Vib handle.

## 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 on and off
- Variants available with and without rubber nose cap

Flexible modular series for optimal compaction: the converter can be combined with 4 different vibrator heads (diameter 30-58 mm) in any hose lengths up to 10 m.



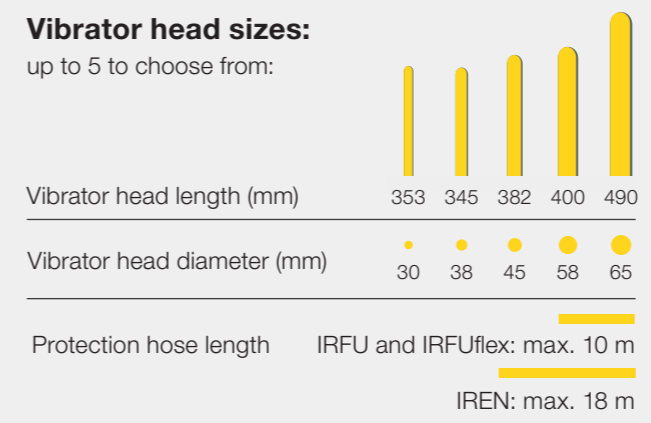
Practical guide handle for easier compaction of flat elements.



Reliable and sturdy: Wacker Neuson internal vibrators are indispensable on many construction sites.

### Vibrator head sizes:

up to 5 to choose from:



### 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 vibrators

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.

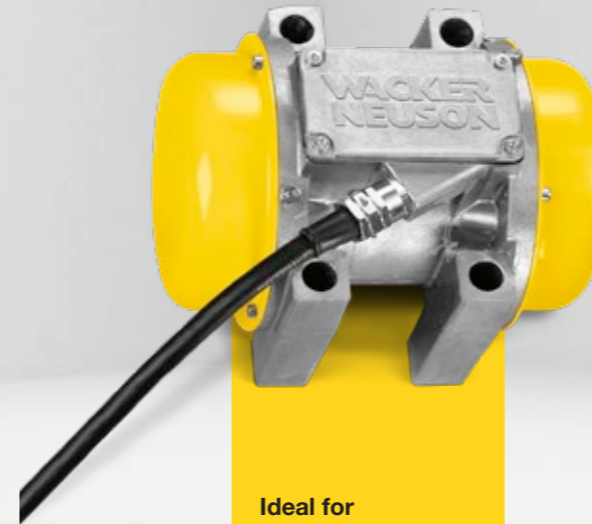
- RPM-stable asynchronous motor
- Finely tiered product range: All external vibrators are available in many voltages/frequencies
- Different voltage and RPM versions
- Made in Germany design and development and production
- Various fastening options for the optimal attachment to the formwork

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



AR26

AR63

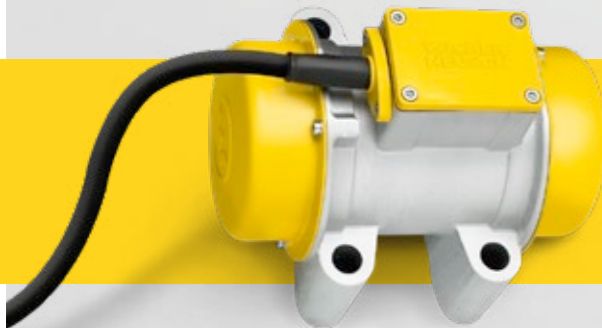


**Ideal for application in concrete and precast elements factories.**

**The right choice** for heavy precast formwork and material transportation.



AR75



AR43

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



AR34



AR54

### The practical helper: the exposed concrete kit.

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

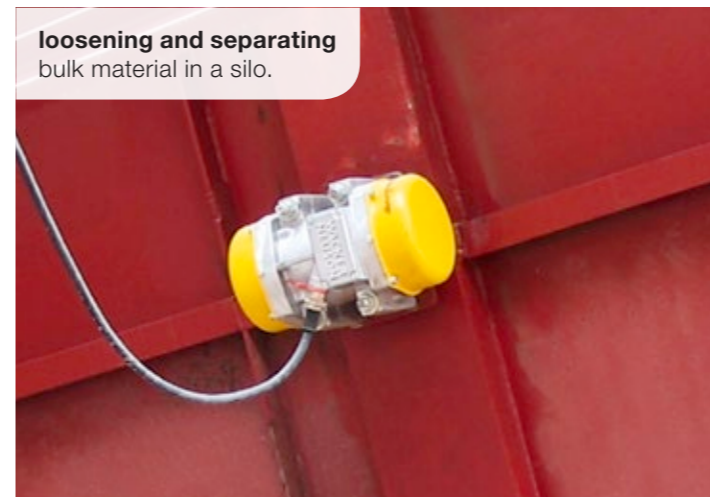


### Flexible for in-situ concrete applications

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 separating** 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 long-term applications or a lack of a power connection. 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 beam formwork and formwork carriages.

## Tailor-made vibratory tables

Vibratory tables offer flexible application areas 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.

### Laboratory vibratory tables

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

### Vibratory trestles

- Versatile application areas in production
- High economic efficiency thanks to simple construction

### Low-noise vibratory table

- Negligible noise emission
- High quality of exposed concrete thanks to uniform compaction
- Permanent dimensional stability due to full-surface bearing



VTS

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

## Stationary frequency converter

The stationary converters are particularly suitable for precast concrete elements 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



### FUE-M38

(Standard) power levels	17A, 23A, 31A, 43A, 57A, 71A*
Housing dimensions 1 (17-43A)	mm (LxWxH) 800x1,200x400*
Housing dimensions 2 (57+71A)	mm (LxWxH) 800x1,600x500*

**Perfectly tailored** to the frequently varying requirements.

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

## 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 aluminium 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



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



KTU2

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



FUE6

**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 outlets (32A)		2	1	2	3/4	4/6	4
IREN30, IE38	3.5/5	2	1	2	3/4	4/6	4
IREN38, IE45	7.5/8	2	1	2	3/4	4/6	4
IREN45, IE58	10.0/12.2	2	1	2	3/4	4/6	4
IREN58	17.3	2	1	2	3/3	4/4	4
IREN65	25.0	1	1	1	2/2	2/3	0
AR26/6/042	9.0	2	1	2	3/4	4/6	4

# High frequency converter

The FUH series offers innovative frequency converters with high frequency technology. This allows for particularly compact dimensions and an extremely low weight compared to electronic converters. These units are characterized by a reliable and sturdy current and voltage supply, even during continuous operation. The FUH series is available in three power classes and with up to 6 outlets.

- Extremely lightweight, which makes it easy to transport
- The large operating light allows for a quick function check at any time
- The overload protection protects the connected unit from excessively high input current.
- The FUH70 is also available with an adjustable frequency
- The sturdy housing made of aluminium pressure die-casting is insensitive to damage
- Very good heat dissipation: the efficient cooling concept guarantees a sturdy, reliable performance, even during continuous operation
- Completely maintenance-free



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

	FUH20/1/042	FUH35/2/042	FUH70/4/042*	FUH70/6/042**
Weight (kg)	8.9	17	25.5	25.5
Output current (A)	20	35	58	58
Number of outlets (units)	1	2	4	6

\* also available with frequency adjustment

\*\* only available with frequency adjustment

FUH35



FUH70



The sturdy handle with a practical cable wrapping aid makes transporting easy.



**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	FUH35	FUH70
Rated current A		20	35	58
Number of outlets (32A)		1	2	4/6
IREN30, IE38	3.5/5	1	2	4/6
IREN38, IE45	7.5/8	1	2	4/6
IREN45, IE58	10.0/12.2	1	2	4/6
IREN58	17.3	1	2	4/4
IREN65	25.0	0	1	2/2
AR26/6/042	9.0	1	2	4/6



## 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 manoeuvrable and flexible - ideal for working on 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 finishing
- 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 manoeuvrable:** 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 troweling 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 therefore can 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 manoeuvrability thanks to its balanced power-to-weight ratio
- Variable rpm (speed) range: low rpm for floating, high for finishing
- Sensitive, ergonomically designed 2-lever controls
- Adjustable seat for maximum comfort

CRT48

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



CRT36



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



## Spread, screed, compact: 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 twist again: with the rebar tier DF16.

The rebar tier from Wacker Neuson puts an end to tying reinforcing steel with pliers in a bent 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](http://www.wackerneuson.com/DF16)



- **Variable:** for horizontal (ceilings, floor panels) as well as vertical application (walls, columns)
- **Precise:** uniformly drilled, fixed 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 knots per hour



## Technical Data

		ACBE			IE38 IE45 IE58				
INTERNAL VIBRATOR SYSTEM	SPECIFICATION	UNIT							
	Weight without battery	kg	6.9						
	Operating weight with BP1000	kg	15						
	Rated current	A	20						
	Rated voltage	V (3~)	51						
	Output frequency	Hz	200						
	Output performance	kW	0.79						
	Dimensions (L x W x H)	mm	296 x 236 x 561						
Protection rating		IP24D							

		BP1000			
BATTERY	SPECIFICATION	UNIT			
	Weight	kg	9.4		
	Dimensions (L x W x H)	mm	220 x 290 x 194		
	Capacity	Ah	20		
	Energy capacity	Wh	1,008		
	Rated voltage	V	51		
	Max. discharge current	A	160		
	Max. charging current	A	32		

		CT24-4A		CT24-230E		CT36-400E		CT36-5		CT36-6		CT36-8A	
TROWELS	SPECIFICATION	UNIT											
	Operating weight	kg	73	74	104	104	73	84					
	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, four-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					

		CT36-8A-V		CT36-9		CT36-9-V		CT48-8A		CT48-9		CT48-11A		CT48-13A-V		
TROWELS	SPECIFICATION	UNIT														
	Operating weight	kg	90	80	87	96	93	102	106							
	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													
	Drive 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							

		CRT36-26A-WK		CRT36-25		CRT48-37V		
TROWELS	SPECIFICATION	UNIT						
	Operating weight	kg	373	395		547		
	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	
	Drive output at RPM	kW rpm	16.6 3,600	18.6 3,600		27.6 3,600		

# Technical Data

		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 SHAFT		SM1-E SM2-E SM4-E SMO-S SM1-S SM2-S SM3-S SM4-S SMS-S SM7-S SM9-S											
DRIVE SYSTEM		» 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	
		M1500			M2500			A5000/160			L5000/225		
SPECIFICATION	UNIT	» Basic «											
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		

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

		IREN30 IREN38 IREN45 IREN58 IREN65 IRSEN30 IRSEN38 IRSEN45								
		Premium								
SPECIFICATION		» Premium «								
SPECIFICATION	UNIT									
Vibrator head diameter	mm	30	38	45	58	65	30	38	45	
Effective compaction 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	

		IRSEN57 IRFU30 IRFU38 IRFU45 IRFU57 IRFU65 IRSE-FU45 IRSE-FU57								
		with integrated converter								
SPECIFICATION		» Premium «								
SPECIFICATION	UNIT									
Vibrator head diameter	mm	57	30	38	45	57	65	45	57	
Effective compaction 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	

		FUFlex4/230			IRFlex30 IRIflex38 IRIflex45 IRIflex57							
SPECIFICATION		UNIT			SPECIFICATION				UNIT			
Weight	kg	9.4			Weight	kg	6.7	10.7	12	17		
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			Oscillations	rpm	12,000	12,000	12,000	12,000		

		FUH20/1042		FUH35/21042		FUH70/41042*		FUH70/61042**		FUE1 42/200W		FUE2 42/200W		FUE2 250/200W	
SPECIFICATION		UNIT													
Weight	kg	8.9	17	25.5	25.5	25	26.4	26.4							
Input/output voltage	V	230/42	230/42	230/42	230/42	230, 1~/42, 3~	230, 1~/42, 3~	230, 1~/250, 3~							
Input/output frequency	Hz	50/200	50/200	50/200	50/200	50/200	50/200	50-60/200							
Input/output current	A	7.8/20	9.5/35	16/58	16/58	9.6/25	13/35	13/6							
Power cable	m	1.5	1.5	1.5	1.5	2.5	2.5	2.5							
Number of outlets	Piece	1	2	4	6	1	2	2							

\* also available with frequency adjustment \*\* only available with frequency adjustment

		KTU2 42/200W		FUE6 42/200W		FUE10 42/200W		FUE10 250/200W		FUE M/S 75A		FUE M/S 85A		FUE M/S 225A	
SPECIFICATION		UNIT													
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	Piece	2	3**	-	-	4***	4	-							

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

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

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

		P35	
SPECIFICATION		UNIT	
Operating weight	kg	15.5	
Drive system		Air-cooled, single cylinder, 4-cycle, gasoline engine	
Output	kW/hp	1.2/1.6	
At rpm	rpm	7,000	



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

\*This is non-binding information, based on the practical experience of our clients under certain operating conditions. Please note that under specific operating conditions these findings may vary. We recommend always beginning by carrying out a test pour under operating conditions. \*\* Different protection hose lengths available.

# 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 «				
RPM	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 «			
RPM	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 «					
RPM	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 «					
RPM	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					
RPM	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

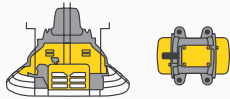
The Wacker Neuson product range includes over 300 different product series with different versions. The product data may vary accordingly depending on the selection of different options. Not all Wacker Neuson products listed or shown here are however available or allowed in all countries. The Wacker Neuson products shown are examples and as such are subject to changes, we will be happy to give you a specific offer upon request!

Reproduction only with the written approval of Wacker Neuson.

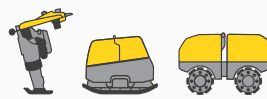
© Wacker Neuson SE

Your everyday working life is full of challenges. We have the right solutions and help you to be ahead of the competition. We offer everything you need for this purpose: **Wacker Neuson – all it takes!**

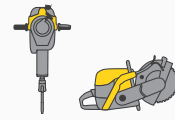
## Products



Concrete technology



Compaction



Demolition technology



Excavator



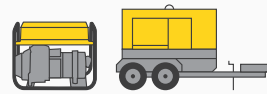
Wheel loader



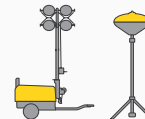
Telehandlers



Dumper



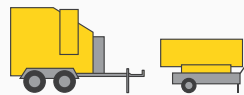
Power units



Lighting



Pumps



Heating



Used Equipment

## Services rendered



### Financial Solutions

Uncomplicated, transparent and individual financing options for you.



### Repair & Maintenance

Excellent and fast maintenance. Repairs using original spare parts.



### Academy

We increase your knowledge in a practice-oriented manner and within an ideal learning environment.



### EquipCare

Everything to do with the machine in an overview, via app or PC – EquipCare.



### Rental

Protect your liquidity and rent top-maintained construction equipment as needed.



### Concrete specialists

Our specialists advise you in all project stages.



### eStore

Buy original spare parts online – for all Wacker Neuson product groups.



## Spare parts

### Every minute counts:

Within the shortest period of time, we deliver over 150,000 original Wacker Neuson spare parts to your construction site.

[www.wackerneuson.com](http://www.wackerneuson.com)



WN.EMEA.10088.V07.EN-US