



**WACKER
NEUSON**
all it takes!

Concrete technology



Your reliable solution provider

We offer customers worldwide a comprehensive product 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 in the main construction industry, gardening and landscaping, industry and municipalities, among other sectors, rely on the innovative solutions from Wacker Neuson.

Wacker Neuson – **all it takes!**



Our services

When you need us, we are there. We not only advise you during the purchase of a machine, but also afterwards. You can trust our expert and quick support. Find out about our extensive services for construction machines and construction equipment. With our widespread sales and service network, we are always close by.

Experience more:
wackerneuson.com/services



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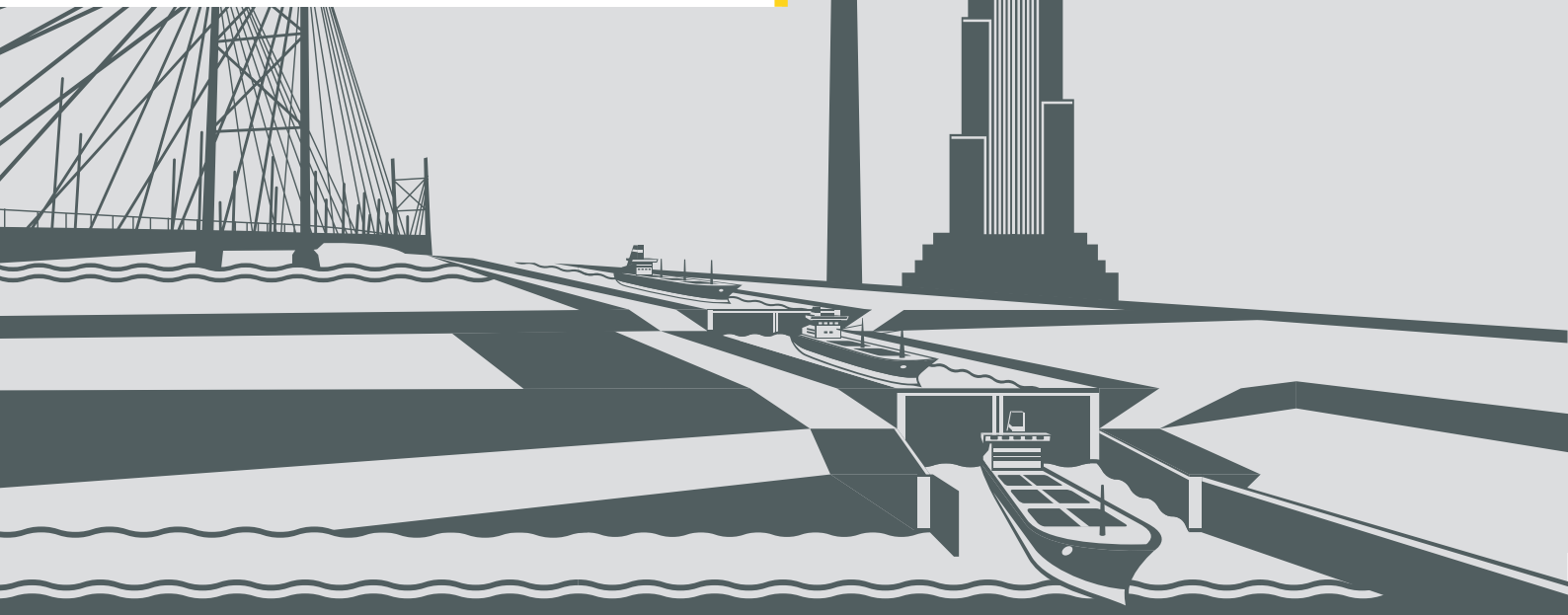
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The world of construction relies on the expertise of Wacker Neuson.

You would be surprised if you knew how many concrete construction sites around the world had the expertise of Wacker Neuson behind them - among them are also many showcase projects worldwide, which have attracted attention, like the 36-kilometer long Hong Kong Zhuhai bridge, the extension of the Panama Canal or the Burj Khalifa in Dubai.

Are you planning a big project? We are happy to assist 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 a builder.

CONCRETE SOLUTIONS



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

The concrete specialists: Cooperative. Advisory. Professional.



Precast concrete parts.

In the precast concrete division, flexibility, individual and economic solutions are important. 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 parts factories:

- Consultation 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 casting job sites.

Large projects present great demands in terms of planning, implementation, and the quality of the concrete consolidation. With many years of experience from many international concrete projects, you have the concrete specialists of the world available to you.

Our services for large construction sites:

- Project-related consolidation solutions using job site execution planning
- Accompanying concreting in-situ
- Special vibration solutions for in-situ concrete



CONCRETEC

ConcreTec - Concrete consolidation was never this easy.

With ConcreTec, you can simply and transparently compact concrete finished parts in a reproducible quality.

ConcreTec is a data-based assistance system for concrete consolidation. The plant operators receive objective information in real-time during the compaction procedure and the consolidation progression. The underlying consolidation model not only considers the geometry of the concrete component, but also the properties of the fresh concrete. In addition, information about the current process variables, such as vibration strength and frequency, is incorporated into the model during the consolidation process.

Portable internal vibrator system.

The ACBe (battery converter backpack) is a portable high-frequency internal vibrator system with battery drive. As a result, concrete consolidation is made safer for the operator, more comfortable and more environmentally-friendly:

Comfort

- Lighter, more ergonomic battery backpack with compact dimensions
- Starts with a push of a button
- No emissions when compared with the gasoline engine backpack

Versatility

- Battery One battery can be used for all zero emission construction equipment
- Protective hose lengths of 1.5 m, 3 m, and 5 m available
- Selection of three head diameters: 38 mm, 45 mm, and 58 mm

Performance

- High-performance electric motor with stable speeds
- Outstanding consolidation results thanks to high-frequency operation with stable rpm
- Quiet in operation
- Independence from external power sources



Quality

- Ergonomic Deuter carrier system
- Sturdy, maintenance-free electric motor
- Made in Germany – high quality standard, high performance and service life
- The front third of the vibrator head is tempered

Efficiency

- Safe working, as no trip-hazards are caused and no cables lie in the wet concrete
- Freedom of movement
- No need to use converters or to lay cables



Loading and transporting with a system:
the battery and battery charger are safely stowed in practical Systainer boxes.



Versatile:
Battery One is a manufacturer-independent battery system with batteries that can also be used in the battery converter backpack ACBe.



One for all:
easy to change and can be used for a variety of construction equipment.



More safety on the construction site:
no long power cables landing in wet concrete or becoming a trip-hazard.



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

Internal vibrators for any requirement: the Basic and Advanced line.

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

Basic line: for simple working comfort

Efficiency that will surprise you: The modular HMS series can be individually configured to meet your needs exactly.

- High-performance electric motor with stable speeds
- Very good operating weight
- Long service life of the carbon brushes of up to 500 operating hours

- 1. Flexible shaft:** Steel mesh ensures 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 gasoline engine or electric motor in different power classes, with easy-to-operate quick disconnect coupling and efficient air filter.



High level of operating comfort: the drive unit generates a high performance with low weight.



Economical solution: with a modular system for optimally compacted concrete with the Basic line HMS.

Advanced line: for all standard applications

Thought-out equipment concept in a robust design: the model lines IE and IEC by Wacker Neuson offer reliable concrete consolidation performance.

- Two model series available: IEC with converter, IE without converter
- High-frequency technology for good results in concrete compaction
- Sturdy quality with a good cost/benefit ratio
- Choose from three head sizes and hose lengths



Durable and low-wear vibrator heads, additionally tempered in the bottom third

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

Three head sizes available in the Advanced line.

The Premium lines.

Even under tough conditions, these high-frequency internal vibrators of the Premium lines will convince you with an all-round consistently high consolidation performance. Due to the workmanship of the high-quality and sturdy components, these internal vibrators are particularly durable.

Internal vibrator IRFU and IRSE-FU

- Integrated frequency converter enable independent application
- Trouble-free service, even with generators and fluctuating input voltages
- Potted electronic components make the converter wear-free
- Integrated thermal overload protection breaker
- Fully tempered vibrator head
- Ergonomic, low-vibration handle
- Versions available with extremely durable, cured-on rubber cap, ideal for protecting the formwork



Internal vibrators IREN and IRSEN

- Ergonomic, low-vibration handle (IRSEN)
- Integrated thermal overload protection breaker
- Fully tempered vibrator head
- Very powerful, high-frequency internal vibrator available in a variety of model sizes
- High-performance electric motor with stable speeds
- Versions with utmost durable, cured-on rubber cap available



Battery-powered internal vibrator ACBe (see page 6/7)

- Complete system with converter and battery in a backpack

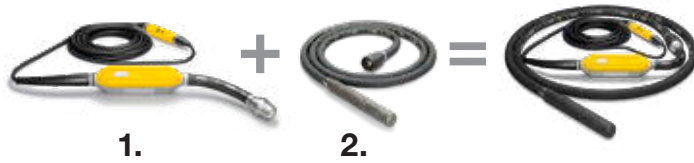


Modular internal vibrator system IRFUflex

Maximum flexibility and reduced costs: With the IRFUflex series, the vibrator head can be changed in just a few 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

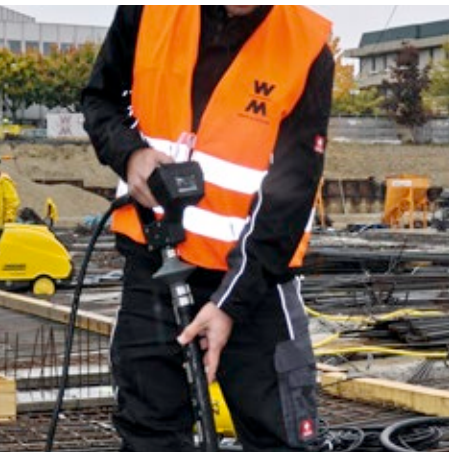
Flexible modular series for optimal consolidation:
The converter part can be combined with 4 different vibrator head parts (diameter 30-58 mm) in any hose lengths up to 10 m.



RFU, IRSE-FU and IRFUflex with Bodyguard®

The Bodyguard continually monitors the flow of current. As a result, it offers safer operation even at voltages above the protective low voltage range.

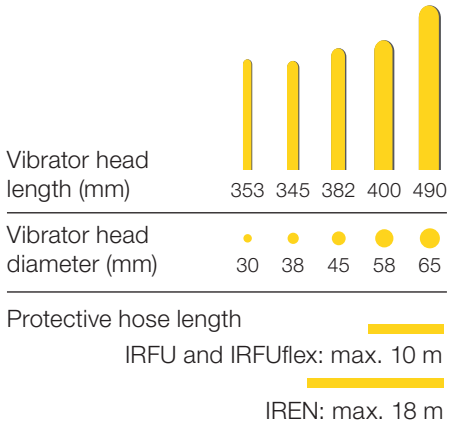
- For a simple connection to any power source
- Optimal operator protection: Interrupts the power supply if necessary within 3 msec
- Particularly comfortable: The Bodyguard® can continue to be used when replacing the cable



Practical guide handle
for easy compaction of flat components.



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



Up to five vibrator head sizes available.

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.

Comfort

- Various fastening clamps for the optimal attachment to the formwork
- Small, compact and light

Performance

- Asynchronous motor with stable speed
- Different voltage and rpm variants
- Adjustable eccentric weight discs

Efficiency

- Finely tiered product range: All external vibrators are available in many voltages/frequencies

Quality

- Development and production Made in Germany



AR26



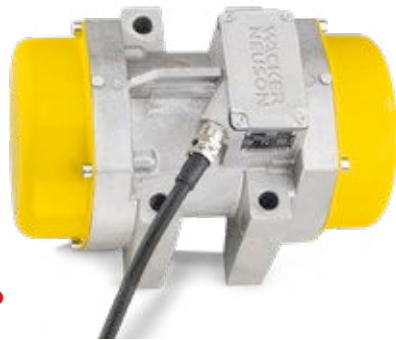
AR34



The practical aid: 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.



AR63



AR75



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

Safety

- Vibration-proof and sturdy design

Maintenance

- Maintenance free

Versatility

- Due to its low weight, the AR26 is particularly suitable for application on in-situ casting construction sites
- The AR34 and AR43 are ideally suited for light and medium-heavy formwork in precast factories
- The AR54 and AR63 are ideal for application in concrete and precast factories
- The AR75 is the right choice for heavy precast formwork and material transport



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.



Our concrete specialists will gladly advise you in finding the perfect solution for your project. They will help you with the correct selection and dimensioning of the vibrator, with questions regarding power supply and control technology through to the installation and commissioning. In this way, you achieve the optimal result for your application area.

The PEV series.

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

External vibrator PEV series

- Five models with different vibration frequencies and centrifugal forces for lightweight (like rod portion formwork and formwork carriages) to heavy formwork
- As standard includes quick-fastening clamps
- Sturdy design
- Finely tiered product range

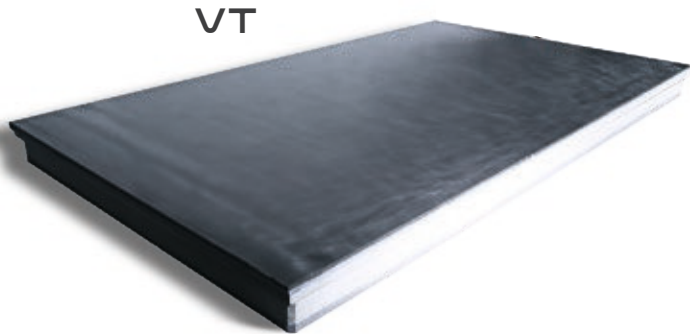


Tailor-made vibratory tables.

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

Laboratory vibrating table

- Fixed or variable vibration frequency
- Superb compaction performance
- Completely pre-assembled, and thanks to the Plug&Play, immediately ready-for-use



Vibratory trestle

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

VT low-noise vibratory table

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

Stationary frequency converters.

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.



Stationary frequency converter

- 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
- Project-tailored adjustment possible for all devices

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

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

Electronic frequency converters.

The frequency converters of the FUE series are characterized by their light and compact design. Thanks to the aluminum design, they are easy to handle. They give their best performance even in continuous operation.



Frequency converter FUE series

- High-quality electronics
- Active cooling system
- Intelligent load and voltage management
- Completely maintenance-free

Number of connectible internal and external vibrators to frequency converters

| | Rated current A | FUE M/S 75A | FUE M/S 85A |
|----------------------------------|-----------------|-------------|-------------|
| Rated current A | | 75 | 85 |
| Number of plug receptacles (32A) | | 4/6 | 4 |
| I REN30, IE38 | 3.5/5 | 4/6 | 4 |
| I REN38, IE45 | 7.5/8 | 4/6 | 4 |
| I REN45, IE58 | 10/12.2 | 4/6 | 4 |
| I REN58 | 17.3 | 4/4 | 4 |
| I REN65 | 25 | 2/3 | 0 |
| AR26/6/042 | 9 | 4/6 | 4 |

High-frequency converters.

The FUH series offer innovative frequency converters with high-frequency technology. This enables particularly compact dimensions and an extremely light weight when compared with electronic converters. A reliable and stable power- and voltage supply, even when in continuous use, characterize this device. The FUH series is available in three performance classes and with up to six outlets.

Frequency converter FUH20

- Extremely lightweight, which makes it easily portable
- The large operating light allows for a quick function check at any time
- Efficient cooling fins design
- Completely maintenance-free
- Fits all internal vibrators up to a 58 mm vibrator head diameter
- Sturdy stand



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



Integrated handles to the front and rear, as well as a central lifting eye make is easy to transport.

FUH35



FUH70



Frequency converters FUH35 and FUH70

- Compact dimensions, low weight
- Stable handles and a lifting eye with practical cable-coiling aid make transporting easy
- The sturdy housing made of plastic is insensitive to damage
- The overload protection protects the connected unit from excessively high input current
- Very good heat dissipation: The efficient cooling concept guarantees a sturdy, reliable performance, even during continuous operation
- The FUH70 is also available with adjustable frequency

Technical data

| | Unit | FUH20/1/042 | FUH35/2/042 | FUH70/4/042* | FUH70/6/042** |
|----------------------------|------|-------------|-------------|--------------|---------------|
| Weight | kg | 8.9 | 15.4 | 24.4 | 27.1 |
| Output current | A | 20 | 35 | 58 | 58 |
| Number of plug receptacles | ea. | 1 | 2 | 4 | 6 |

* also available with frequency adjustment

** only available with frequency adjustment

Number of connectible internal and external vibrators to frequency converter

| | Rated current A | FUH20 | FUH35 | FUH70 |
|----------------------------------|-----------------|-------|-------|-------|
| Rated current A | | 20 | 35 | 58 |
| Number of plug receptacles (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 | 10/12.2 | 1 | 2 | 4/6 |
| IREN58 | 17.3 | 1 | 2 | 4/4 |
| IREN65 | 25 | 0 | 1 | 2/2 |
| AR26/6/042 | 9 | 1 | 2 | 4/6 |

Wet screed P35.

Spread, strike off, consolidate: when processing concrete floors, our engine-driven vibratory 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.

Comfort

- Adjustable handle
- Vibration-dampening system
- Integrated tilt stand

Performance

- Enclosed eccentric housing to protect against dirt, concrete, and splash water
- Adjustable centrifugal force

Efficiency

- Collapsible frame
- Quick change of strike-off beam



Rebar tier DF16.

The rebar tier by Wacker Neuson puts an end to tying reinforcing steel with pliers in a bent position. This is perfect for traditional work at the reinforcement and for effortless securing of plastic pipes – all in a healthy, upright position. The device works completely mechanically, this means: no battery charging times or expensive replacement batteries. The practical holster very easily attaches to your waistband.

Comfort

- Long handle minimizes health risk due to the anatomically correct, upright position
- Twist with straight movement
- Lightweight and can be operated with just one hand

Efficiency

- Robust mechanical machine concept
- Uniformly drilled, fixed knots
- For horizontal (ceilings, floor plates) as well as vertical application (walls, columns)

Performance

- Magazine with 77 single ties
- Up to 1,000 knots per hour



Technical data.

Internal vibrator system

| | Unit | ACBE |
|-----------------------------|--------|-----------------|
| Weight without battery | kg | 4.2 |
| Operating weight with BOB10 | kg | 13.5 |
| 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 |

Internal vibrator

| | Unit | IEe38 | IEe45 | IEe58 |
|---------------------------------|--------|-----------|-------------|-------------|
| Vibrator head diameter | mm | 38 | 45 | 58 |
| Rated current | A | 6.2 | 9.9 | – |
| Rated voltage | V (3~) | 34 | 34 | 34 |
| Output frequency | Hz | 200 | 200 | 200 |
| Output performance | kW | 0.29 | 0.47 | – |
| Hose length | m | 1.5/3/5 | 1.5/3/5 | 1.5/3/5 |
| Weight | kg | 4/5.2/6.4 | 5.2/6.3/8.8 | 7.7/9.5/2.1 |
| Running time per battery charge | Hours | 4 | 3 | 2 |
| Protection rating | | IP67 | IP67 | IP67 |

Battery

| | Unit | BOB5 | BOB10 | BOB14 |
|------------------------|------|-----------------|-----------------|-----------------|
| Weight | kg | 6.4 | 9.7 | 9.9 |
| Dimensions (L x W x H) | mm | 296 x 396 x 322 | 296 x 396 x 322 | 296 x 396 x 322 |
| Capacity | Ah | 10 | 20 | 28 |
| Energy content | Wh | 504 | 1,008 | 1,425 |
| Rated voltage | V | 51 | 51 | 51 |

Charging time

| | Unit | BOB5 | BOB10 | BOB14 |
|-------------------------------|---------|------|-------|-------|
| Standard battery charger BOC7 | Hours | 1.5 | 2.5 | 4.6 |
| Quick battery charger BOC13 | Minutes | 50 | 80 | 112 |



BATTERYONE

Manufacturer-independent battery system.



Standard battery charger BOC13.

Technical data.

HMS internal vibrator/vibrator heads

| | Unit | H25 | H25S | H25HA | H35 | H35S | H35HA | H45 | H45S | H45HA | H50HA | H55 | H65 |
|----------|------|-----------|------|-------|-----|------|-------|-----|------|-------|-------|-----|-----|
| | | » Basic « | | | | | | | | | | | |
| 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 |

HMS internal vibrator/flexible shaft

| | Unit | SM1-E | SM2-E | SM4-E | SM0-S | SM1-S | SM2-S | SM3-S | SM4-S | SM5-S | SM7-S | SM9-S |
|--------|------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | » Basic « | | | | | | | | | | |
| 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 |

HMS internal vibrator/drive system

| | Unit | M1500 | M2500 | A5000/160 |
|--------------|------|----------------------------------|----------------------------------|--|
| | | » Basic « | | |
| Drive system | | Double insulated universal motor | Double insulated universal motor | Air-cooled, single cylinder, four-cycle, Honda gasoline engine |
| Voltage | V | 230 | 230 | – |
| Current | A | 6.5 | 7.8 | – |
| Output | kW | 1.5 | 1.8 | 4 |
| Weight | kg | 5.3 | 5.9 | 23.7 |

Internal vibrator

| | Unit | IE38 | IE45 | IE58 | IEC38 | IEC45 | IEC58 |
|-----------------------------------|------|---------------------------|-------|-------|---------|---------|---------|
| | | with integrated converter | | | | | |
| | | » 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 |
| Protective hose**/power cable | m | 10/15 | 10/15 | 10/15 | 10/15 | 10/15 | 10/15 |

Internal vibrator

| | Unit | IREN30 | IREN38 | IREN45 | IREN58 | IREN65 | IRSEN30 | IRSEN38 | IRSEN45 |
|-----------------------------------|------|-------------|---------|---------|--------|--------|---------|---------|---------|
| | | » Premium « | | | | | | | |
| Vibrator head diameter | mm | 30 | 38 | 45 | 58 | 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 |
| Protective hose**/power cable | m | 18/15 | 18/15 | 18/15 | 18/15 | 18/15 | 0.8/15 | 0.8/15 | 0.8/15 |

Internal vibrator

| | Unit | IRSEN57 | IRFU30 | IRFU38 | IRFU45 | IRFU57 | IRFU65 | IRSE-FU45 | IRSE-FU57 |
|-----------------------------------|------|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | with integrated converter | | | | | | | |
| | | » 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 |
| Protective hose**/power cable | m | 0.8/15 | 10/15 | 10/15 | 10/15 | 10/15 | 10/15 | 0.8/15 | 0.8/15 |

* 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 protective hose lengths available.

Technical data.

FUflex

| | Unit | FUflex4/230 |
|----------------|------|-------------|
| Weight | kg | 9.4 |
| Output voltage | V | 220 |
| Rated current | A | 6 |
| Output current | A | 3.5 |
| Power cable | m | 15 |

IRflex

| | Unit | IRflex30 | IRflex38 | IRflex45 | IRflex57 |
|--------------------------------|------|----------|----------|----------|----------|
| Weight | kg | 6.7 | 10.7 | 12 | 17 |
| Vibrator head diameter | mm | 30 | 38 | 45 | 57 |
| Length of protective hose max. | m | 10 | 10 | 10 | 10 |
| Frequency | Hz | 200 | 200 | 200 | 200 |
| Oscillations | rpm | 12,000 | 12,000 | 12,000 | 12,000 |

Frequency converters

| | Unit | FUH20/1/042 | FUH35/2/042 | FUH70/4/042* | FUH70/6/042** |
|----------------------------|------|-------------|-------------|--------------|---------------|
| Weight | kg | 8.9 | 15.4 | 24.4 | 27.1 |
| Input / output voltage | V | 230/42 | 230/42 | 230/42 | 230/42 |
| Input / output frequency | Hz | 50/200 | 50/200 | 50/200 | 50/200 |
| Input / output current | A | 7.8/20 | 9.5/35 | 16/58 | 16/58 |
| Power cable | m | 1.5 | 1.5 | 1.5 | 1.5 |
| Number of plug receptacles | ea. | 1 | 2 | 4 | 6 |

* also available with frequency adjustment

** only available with frequency adjustment

Frequency converters

| | Unit | FUE1042/200W | FUE10250/200W | FUE M/S75A | FUE M/S85A | FUE M/S225A |
|----------------------------|------|--------------|------------------|-------------|-------------|-------------|
| Weight | kg | 87 | 87 | 29.5 | 42 | 150 |
| Input / output voltage | V | 400/42. 3~ | 400, 3~ /250, 3~ | 400/42, 3~ | 400/42, 3~ | 400/42, 3~ |
| Input / output frequency | Hz | 50–60/0–200 | 50–60/0–200 | 50–60/0–200 | 50–60/0–200 | 50–60/0–200 |
| Input / output current | A | 24.5/145 | 24.5/25 | 13.7/75 | 13/85 | 29/225 |
| Power cable | m | 3 | 3 | 2.5 | 2.5 | – |
| Number of plug receptacles | ea. | – | – | 4*** | 4 | – |

* Variant with 0 - 200 Hz available ** Variant with 4 sockets available *** Variant with 2 or 6 sockets available

Rebar tier

| | Unit | DF16* |
|---|-----------|---|
| Operating weight | kg | 2.2 |
| Number of tie wires per tie wire strip (magazine) | ea. | 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 |
| Tie wire order sizes (copper-coated steel wire) | | Box: 7,700 tie wires Pallet: 138,600 tie wires |

* Awarded for its outstanding performances in occupational safety and health protectionby BG Bau (Professional 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

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

Technical data.

| External vibrators | Unit | 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 | AR34/3/230v** |
|----------------------------|------|--------------|------------|--------------|------------|------------|--------------|------------|----------------|--------------|---------------|
| | | » 2-series « | | | | | » 3-series « | | | | |
| rpm | rpm | 3,000 | 3,000 | 3,600 | 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 | 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 | Unit | 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 |
|----------------------------|------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|------------|
| | | » 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 | Unit | 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 |
|----------------------------|------|--------------|------------|------------|------------|------------|--------------|------------|--------------|------------|------------|
| | | » 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 | Unit | 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 |
|----------------------------|------|--------------|------------|------------|--------------|--------------|------------|------------|------------|------------|------------|
| | | » 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 speed of 0–5,220 rpm.

| PEV external vibrators | Unit | PEV10 | PEV14 | PEV27 | PEV45 | PEV60 |
|----------------------------------|-------|--------|--------|--------|-------|--------|
| | | | | | | |
| 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 clamp) | 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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