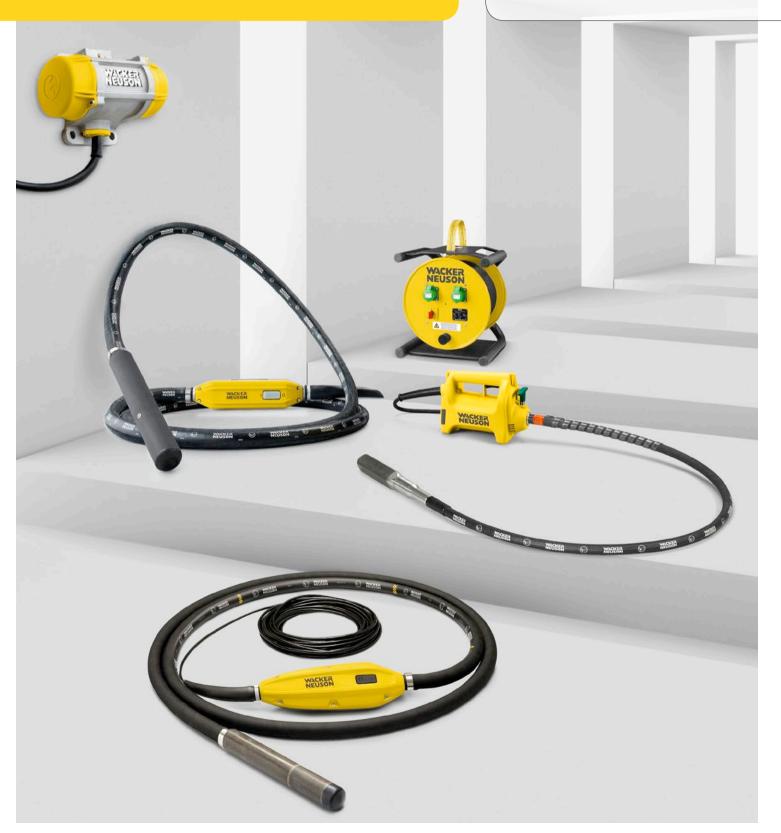
Concrete technology





These reasons speak for the concrete technology of Wacker Neuson.

Best quality guaranteed – all components made in Germany!

Make no compromises in terms of quality with your projects related to concrete processing. You can rely on the concrete technology equipment from Wacker Neuson in any situation: All components are made in Germany – and, in addition to their performance, also impress with their long service life and highest quality down to the last detail.

2. Uncompromising performance – with powerful motors that impress.

The concrete technology equipment by Wacker Neuson is fitted with powerful motors developed predominantly by Wacker Neuson that are specifically tailored to the demands of the products. So you can master any challenge!

3. Concentrated expertise – our concrete specialists are there for you.

You can rely on our expertise for optimal results when processing your concrete because we are well-versed in the highly complex field of concrete compaction – and are thus there for you with advice and assistance with our concrete specialists from Wacker Neuson Concrete Solutions. So that you always get the best out of your projects.

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 all of our solutions in 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.



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).



Integrated converters

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



Ideally suited for quality exposed concrete surfaces

AR26 is convincing due to particularly high compaction performance. The result: perfect concrete surfaces. It is also available with an integrated converter.



External converters

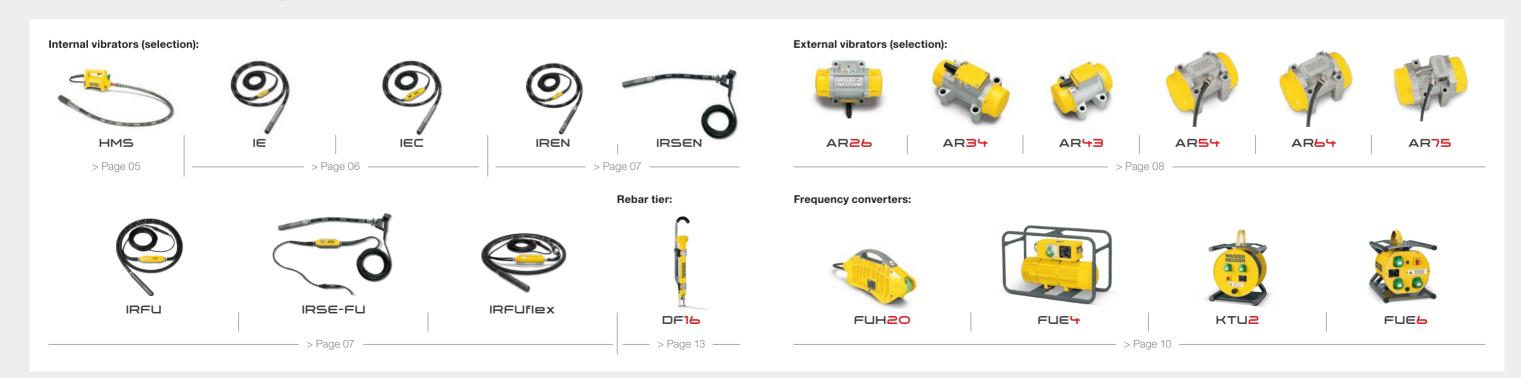
Precisely configured: In order to connect multiple devices, you can use a variety of external converters.



Concrete Solutions

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

All concrete technology products in an overview.



02







The Basic line for simple working comfort

- Individually configurable: Flexible shafts, vibratory heads and motors in various performance classes
- High wear resistance due to the induction hardened
- Quick disconnect coupling for easy handling

Functionality & operating comfort

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 compaction

The Premium lines for comprehensive comfort and maximum flexibility

- 2 model series available with wide range of sizes: IRFU with converter, IREN without converter
- Modular system with IRFUflex with 1 converter part and 4 different vibrator head parts
- For a long service life, all components are processed at a very high quality and are sturdy









Modular internal vibrator system HMS



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

- Individually adjustable flexible shafts, vibrator heads, and motors or engines
- Quick disconnect coupling for easy handling
- Internal combustion engines and electric motors in various performance ranges
- High wear resistance due to the induction hardened vibrator head

The flexible HMS system

- 1. Flexible shaft: Steel mesh and spiral steel protection provide for a high kink resistance.
- 2. Vibrator head: Perfect compaction performance with high wear resistance and long service life.
- 3. Drive motor: high-performance combustion engine or electric motor (optionally) drives with a quick disconnect coupling and high-performance air filter.



Internal vibrator IE and IEC

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

- High frequency technology for good results in concrete compaction
- Sturdy quality with a good cost/benefit ratio
- Durable and low-wear vibrators, additionally tempered in the bottom third
- 2 model lines available: with (IEC) and without an converter (IE)
- Sturdy polyurethane power cable

The IEC series models are fitted with a ground fault interrupter.



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



Sturdy high-frequency internal vibrator for optimum results,

with an attractive cost/ benefit ratio.

The IEC series has an integrated frequency converter, which makes additional units superfluous.

Reduce equipment:

Internal vibrators IREN and IRSEN

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

- Speed-stable and high-performance electric motor designed, developed and produced in Germany
- Integrated thermal overload protection breaker
- Entire vibrator head body hardened
- Extremely durable vulcanized rubber cap for the protection of the formwork, optional



Premium

Premium <<

Premium **<<**

Internal vibrator IRFU and IRSE-FU

Due to an integrated frequency converter, these highfrequency internal vibrators of the IRFU series are best suited for independent application. Simply connect to the single-phase power supply and off you go.

- Built-in frequency converter
- Trouble-free service, even with generators and fluctuating input voltages
- Potted electronic components make the converter wear-free
- Available in different hose lengths, vibrator sizes and voltages
- Developed and produced in Germany according to the highest quality standards

IRFU IRSE-FU

MADE IN **GERMANY**

Modular internal vibrator system IRFUflex

Maximum flexibility in job site applications, as well as reduced costs: In the IRFUflex series, the vibrator head can be easily replaced in a few simple steps. The modular system with an easy to use, but extremely sturdy coupling makes this possible. Due to the easily replaceable vibrator heads, you are optimally equipped for almost any task.

- Reduced acquisition and maintenance costs due to interchangeable parts
- Full flexibility for frequently changing applications: thanks to the coupling point for quick screwing on and screwing off of the vibrator part
- 1 converter part can be combined with 4 different parts of the vibrator part (diameter 30 - 58 mm)
- Vibrator head options with and without rubber nose cap available

The flexible modular series

For optimal compaction performance, there are 4 vibrator head diameters each with protection hose lengths up to 10 m.



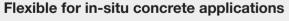








External vibrators Perfect for The concrete specialists of in-situ concrete Wacker Neuson Concrete Solutions formwork and will support you in optimizing Whether for in-situ formwork or for light to heavy concrete quality exposed your compaction results. **AR54** component formwork, whether for use in concrete and concrete surface precast factories, material transport or further industrial applications. applications: Wacker Neuson offers over 40 powerful external vibrators with various speed and voltage versions. This allows an optimum application for your specific area of application. • RPM-stable asynchronous motor • Finely adjustable centrifugal forces via adjustable eccentric weight discs Different voltage and RPM versions • Made in Germany design and development and production • Diverse bore patterns and fastening options for optimum attachment to formwork AR26 Ideal for application in standard formwork in concrete and precast factories. AR43 **AR75** Ideally suited for application with light **AR34** and medium formwork in concrete and The right choice precast factories. for heavy precast formwork and material transportation. AR63



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









The practical helper: The quality exposed concrete kit

With the exposed concrete kit you are best equipped for the compaction of high-quality exposed concrete surfaces. The sturdy wooden box mounted on a steel plate comprises a frequency converter, external vibrators and mounting brackets.



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 that has been time-tested and proven in other industries.

- Frequency converter with a 20-amps plug receptacle
- 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	KTU2	FUE <mark>1</mark>
	current A		
Rated current A		35.0	25.0
Number of plug receptacles		2	1
(32A)			
IREN3O, IE38	3.5/5	2	1
IREN38, IE45	7.5/8	2	1
IREN45, IE58	10.0/12.2	2	1
IREN <mark>57</mark>	17.3	2	1
IREN <mark>65</mark>	25.0	1	1
AR26/6/042	9.0	2	1

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
- Maintenance-free asynchronous motor and extremely durable carbon brushes in the generator part
- Immune to overheating: The windings are made of heat-resistant Class H material and can withstand temperatures of up to 180°C

Simple design

combined with user-friendly and safe operation.





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 model with single-phase mains connection 230 V:
 Can be used on pulse-sensitive and all 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: internally galvanic isolation
- Maintenance-free

Flexible use

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

KTU2



Compelling: high-quality electronics and active cooling system.

FUEZ	FUE 6	FUE-M/S75A	FUE-M/S <mark>85</mark> A	FU1,5/ 200W	FU1,8/ 200W	FU4/ 200W	FU5z/ 200W
35.0	52.0	75.0	85.0	20.6	27.0	52	69.0
2	3/4	4/6	4	-	-	_	_
2	3-4	4-6	4	2	2	3	4
2	3-4	4-6	4	2	2	3	4
2	3-4	4-6	4	2	2	3	4
2	3	4	4	1	1	3	4
1	2	2–3	0	-	1	2	24
2	3-4	4–6	4	2	2	3	2

Technical data

S			IE38	IE45	IE58	IEC38	IEC45	IEC58	IREN30	IREN38	IREN45	IREN57	IREN65
OR						W	ith integrated conver	ter					
Ι¥	SPECIFICATION	UNIT			>> Adv	anced≪					≫ Premium «		
R	Vibrator head diameter	mm	38	45	58	38	45	58	30	38	45	57	65
>	Effective compaction diameter*	cm	-	-	-	_	-	-	40	50	60	85	100
NAL	Voltage	V	42	42	42	220-240	220-240	220-240	42	42/250	42/250	42/250	42
EB	Current	Α	5	8	12	3	4	5	3.5	7/1.4	10/1.85	17.3/3	25
Ë	Frequency	Hz	200	200	200	50-60	50-60	50-60	200	200	200	200	200
=	Protective hose**/power cable	m	10/15	10/15	10/15	10/15	10/15	10/15	18/15	18/15	18/15	18/15	18/15

		IRSEN30	IRSEN38	IRSEN45	IRSEN <mark>57</mark>	IRFU30	IRFU38	IRFU45	IRFU 5 7	IRFU 65	IRSE-FU 45	IRSE-FU <mark>57</mark>
								with inte	egrated converte	er		
SPECIFICATION	UNIT			>> Pren	nium «					≫ Premium «		
Vibrator head diameter	mm	30	38	45	57	30	38	45	57	65	45	57
Effective compaction diameter*	cm	40	50	60	85	40	50	60	85	100	60	85
Voltage	V	42	42	42	42/250	220–240, 1~	220–240, 1~	220-240, 1~	220–240, 1~	220–240, 1~	220–240, 1~	220–240, 1~
Current	Α	3.5	7	10	17.3/3	2.2	3.5	4.8	6	10	4.8	6
Frequency	Hz	200	200	200	200	50-60	50-60	50-60	50-60	50-60	50-60	50-60
Protective hose**/power cable	m	0.8/15	0.8/15	0.8/15	0.8/15	10/15	10/15	10/15	10/15	10/15	0.8/15	0.8/15
	'	'										

Rebar tier DF16

The mechanically functioning 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 securing plastic pipes.

- Equally suitable for horizontal applications (ceilings and floor plates) as well as for vertical application (walls, columns)
- Uniformly drilled, fixed knots
- Easy to operate with just one hand and in an anatomically correct, upright posture
- The practical holster can be attached to your waistband



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- * This is a non-binding specification based on practical experiences of our customers under certain operating conditions. Please note that under specific boundary conditions, these specifications may vary. We recommend always beginning by carrying out a test pour under operating conditions.

 ** Maximum protection hose lengths, various lengths available.

~			H25	H 25 S	H25HA	H35	H355	НЗБНА	H45	H 45 S	H <mark>45</mark> HA	H 5 OHA	H55	H 65
ATOR	SPECIFICATION	UNIT						≫ Ba	sic <<					
VIBRA	Diameter	mm	25	25	26	35	35	36	45	45	45	50	57	65
<u> </u>	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

			FUflex4/230
	SPECIFICATION	UNIT	
FUFLEX	Weight	kg	9.4
띰	Output voltage	V	220
屲	Rated current	Α	6
	Output current	Α	3.5
	Power cable	m	15

			IRflex30	IRflex38	IRflex 45	IRflex57
	SPECIFICATION	UNIT				
FLEX	Weight	kg	6.7	10.7	12	17
긥	Vibrator head diameter	mm	30	38	45	57
E	Length of protection hose max.	m	10	10	10	10
	Frequency	Hz	200	200	200	200
	Oscillations	rpm	12,000	12,000	12,000	12,000

щ.			SM1-E	SM2-E	SM4-E	SMO-S	SM1-S	SM2-S	SM3-S	SM 4-S	S M5-S	SM7-S	SM 9 -S
EXIBL	SPECIFICATION	UNIT						≫ Basic ≪					
FE.	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
	·						* Awarded f	or excellent pe	rformances in o	occupational he	ealth and safety		

protection by the Trade Association of the Construction Industry

			M1500	M2500	A5000/160	L 5 000/225
Σ	SPECIFICATION	UNIT		» Ba	sic «	
SYSTE	Drive system		Double insulated universal motor	Double insulated universal motor	Air-cooled, one-cylinder, four-cycle, Honda gasoline engine	Air-cooled, one-cylinder, four-cycle, Kohler diesel engine
VE	Voltage	V	230	230	-	-
~	Current	Α	6.5	7.8	_	-
۵	Performance	ermance kW 1.5		1.8	4	3.3
	Weight	kg	5.3	5.9	23.7	35.6

			FUHZO	FU1,5	FU1,8	FU '	FU 5 z	FUE1	FUEZ	FUEZ	KTUZ	FUE <mark>6</mark>	FUE10	FUE10	FUE-M/S13	FUE-M/S75	FUE-M/S85
≻ o	SPECIFICATION	UNIT															
SE	Weight	kg	8.9	27	26	64	75	25	26.4	26.4	34.4	32.5	87	87	29	29.5	42
	Input/output voltage	V	230, 1~/42, 3~	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~	230, 1~/250~	230, 1~/42, 3~	400, 3~/42, 3~	400, 3~/250, 3~	400, 3~/42, 3~	400, 3~/42, 3~	400, 3~/42, 3~
Q Z	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	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
E S	Input/output current	Α	7.8/20	9/20.6	5/27	10/52	13.2/69	9.6/25	13/35	13/6	13/35	14.8/53	24.5/145	24.5/25	29/13	13/75	13.7/85
	Power cable	m	1.5	2	2	2	2	2.5	2.5	2.5	25	2.5	3	3	2.5	2.5	2.5
	Number of plug receptacles	Pieces	1	2	2	3	4	1	2	2	2	3"	-	-	4	4***	4**

* Versions with 0-200 Hz available ** Versions with 2 plug receptacles available *** Version with 2 or 6 plug receptacles available

Technical data

OR			AR26/3/230w	AR26/3/400	AR26/3.6/230	AR26/6/042	AR <mark>26/6/0</mark> 42 3.5 HN	AR26/6/042cs	AR26/6/250	ARFU <mark>26/6/115</mark> UK	ARFU26/6/230	AR 34/3/230v*	AR34/3/400
Ā	SPECIFICATION	UNIT											
BB	Speed	rpm	3,000	3,000	3,600	6,000	6,000	6,000	6,000	6,000	6,000	0-5,220	3,000
>	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	3.47
¥	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~	400, 3~
E.	Current	Α	1.75	0.57	1.1	8.0	8.0	8.0	1.35	12.0	6.0	1.3	0.75
Ü	Weight	kg	7.0	6.2	5.5	6.3	6.5	7.5	4.6	18.0	18.0	6.3	7.0
ш	Fastening (Length x width)	mm	90x125	90x125	90x125	90x125	90x125	90x125	90x125	90x125	90x125	120x120	120x120

OR			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	AR53/3/400
AT	SPECIFICATION	UNIT										
BF	Speed	rpm	6,000	6,000	0-5,220	3,000	6,000	6,000	6,000	6,000	9,000	3,000
>	Max. centrifugal force	kN	6.98	6.98	10.42	10.02	10.02	10.02	14.14	14.14	13.77	14.14
Ι¥	Voltage	V	42, 3~	250, 3~	0-400, 3~	400, 3~	42, 3~	250, 3~	42, 3~	250, 3~	42, 3~	400, 3~
1111	Current	Α	9.0	1.7	1.5	0.6	12.0	2.0	18.2	2.7	14.0	1.7
Ĕ	Weight	kg	5.9	5.9	8.8	12.2	8.4	8.4	18.6	18.6	17.9	16.8
Ш	Fastening (Length x width)	mm	120x120	120x120	90x154	90x154	90x154	90x154	120x120	120x120	120x120	90x154

OR			AR53/6/042	AR53/6/250	AR53/9/042	AR53/9/250	AR54/6/250	AR62/6/042	AR62/6/250	AR63/6/250	AR64/1.5/400	AR64/3/230	AR64/3/400
AT	SPECIFICATION	UNIT											
BH	Speed	rpm	6,000	6,000	9,000	9,000	6,000	6,000	6,000	6,000	1,500	3,000	3,000
>	Max. centrifugal force	kN	14.14	14.14	13.77	13.77	14.23	19.03	19.03	19.03	5.05	16.05	16.05
ΙĄ	Voltage	V	42, 3~	250, 3~	42, 3~	250	250, 3~	42, 3~	250, 3~	250, 3~	400, 3~	230, 3~	400, 3~
Ě	Current	Α	18.2	2.7	14	2.4	3.1	21.5	3.3	3.3	1.4	3.0	1.7
Ĕ	Weight	kg	12.3	11.6	11.6	11.6	13.4	20.2	20.2	13.9	21.0	18.7	18.7
Ш	Fastening (Length x width)	mm	90x154	90x154	90x154	90x154	120x120	120x120	120x120	90x154	120x120	120x120	120x120

OR			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
AT	SPECIFICATION	UNIT										
BB	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
A	Voltage	V	42, 3~	250, 3~	42, 3~	400, 3~	0-400, 3~	400, 3~	42, 3~	250, 3~	42, 3~	250, 3~
E.	Current	A	21.5	3.1	16.0	3.4	3.8	2.4	32.0	7.5	28.0	4.3
Ē	Weight	kg	13.8	13.8	12.9	36.5	30.5	33.0	26.8	26.8	27.5	27.5
<u> </u>	Fastening (Length x width)	mm	120x120	120x120	120x120	95x180	95x180	95x180	95x180	95x180	95x180	95x180

 $^{^{\}star}$ The external vibrator has a variable drill speed of 0–5,220 rpm.

			DF16			
Ę	SPECIFICATION	UNIT				
REINFORCEMENT REBAR TIER	Operating weight	kg	2.2			
RCE AR T	Number of tie wires per tie wire strip (magazine)	pieces	77			
NFO EB/	Tie speed	knots/h	approx. 1,000			
E B	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			

The data shown refer to the standard equipment.

Data may vary depending on selection of further options.

Errors and omissions are reserved.

We retain the right to make changes without prior notice. No liability is assumed for the accuracy of this information. The provisions of the contractual agreement are binding.

The product range of Wacker Neuson includes over 300 different product groups with different variations – resulting from different voltage and frequency conditions, local regulations, market conditions and application conditions. Not all Wacker Neuson products listed or shown here can therefore be delivered or approved in all countries. Changes are reserved in the interest of continuous product development. Wacker Neuson accepts no liability for the accuracy and completeness of the information in this brochure. Reproduction only with the written approval of Wacker Neuson.

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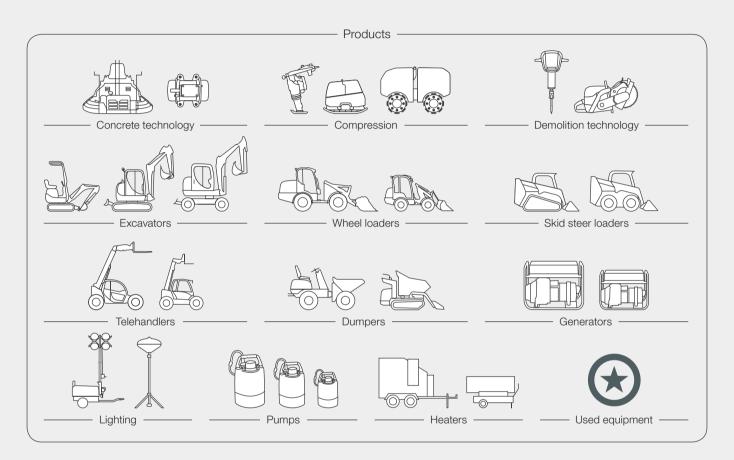
14

Your everyday work day is full of challenges. We have the right solutions and help you to be ahead of the competition. We offer you everything you need for this purpose:

Wacker Neuson - all it takes!













Repair & maintenance













www.wackerneuson.com

