

**Telehandlers
Stacking height
up to 6 meters**



**WACKER
NEUSON**
all it takes!



These reasons speak for telehandlers from Wacker Neuson.

1. Quality that you can count on.

Telehandlers with very compact dimensions that convince in terms of payload: at Wacker Neuson, four models are available for you to choose from, which offer you just that. You are therefore certain to find the right machine for your specific requirements profile. Of course, all telehandlers are characterized by sophisticated technology and a high level of operator friendliness.

2. Trimmed for economic efficiency.

Low consumption, low emissions, powerful hydraulics, quick work – with our telehandlers you have the best partner for your success. With intelligent assist systems, such as the Vertical Lift System (VLS), you also work immensely safely.

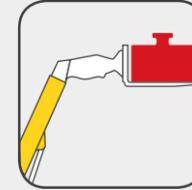
3. Versatile options.

Thanks to a variety of attachments, the performance of Wacker Neuson telehandlers extends far beyond traditional transport work: our machines therefore prove themselves when working in the warehouse, as well as in hard winter service. Whether in stacking or bucket mode, you can rely on the sturdy technology.

Wacker Neuson – all it takes!

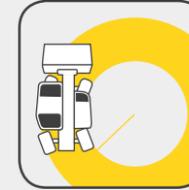
We offer products and services rendered that meet your high requirements and diverse applications. Wacker Neuson stands for reliability. This of course also applies to our telehandlers. We strive every day to ensure your success. And we do this full of passion for our jobs.

Telehandler expertise that creates benefits.



High productivity

Our telehandlers are designed for performance, so that you can implement quick materials handling for any application.



Small turning radius, great performance

With the very maneuverable telehandlers, you can turn in the smallest area and therefore even maneuver ideally on tight construction sites. Read more on page 09.



Better view, more safety

You benefit from improved handling and increased safety when working thanks to the optimal view of the attachment and working environment. See page 09 for details.



Easy to maneuver:

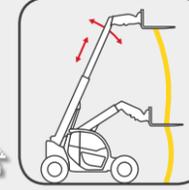
Dimensions of height and width under 2 meters qualify the models TH408, TH412, TH522 and TH627 for working in buildings and in tight spaces.



TELEMATICS

Locate machines anytime

With Wacker Neuson telematics, you can always access the precise position of your machines. Details can be found at www.wackerneuson.com/telematics



Work safer than ever

Safe, comfortable and efficient at the same time: The innovative driver assistance system VLS (Vertical Lift System) switches on partially automatically and intelligently in the telescoping motion, for example in the event of the risk of an overload, and moves the load downward on a vertical line. All benefits of VLS can be found on page 08.

Overview of telehandlers.



TH408

Max. stacking height: 3,901 mm
Max. payload: 780 kg

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TH412

4,259 mm
1,250 kg

TH522

5,156 mm
2,200 kg

> Page 06

TH627

5,730 mm
2,700 kg

Year-round application: This is made possible for you with many different attachments.



Wacker Neuson distinguishes particularly economical and environmentally friendly products with the ECO seal, including all of our telehandlers.

TH408, TH412

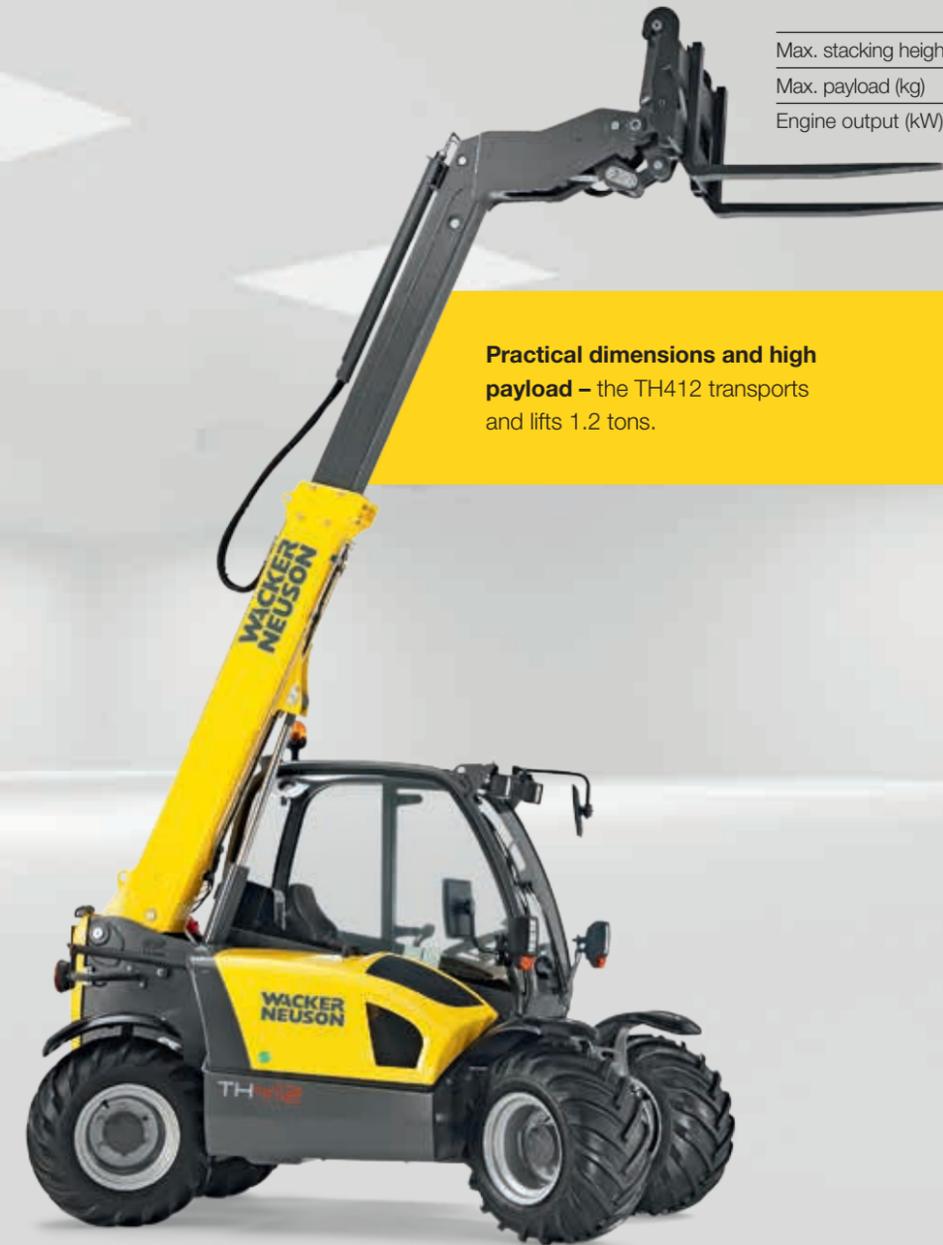
The most compact of our telehandlers impress with their perfect combination of small dimensions, high maneuverability and strong engine output. Thanks to the considerable payloads relative to the size of the machines and the first-class stacking heights, they quickly and safely remove even heavy loads.

- High material handling due to excellent values in payload and stacking height
- Compact machines, ideal for working in tight spaces
- Integrated innovative driver assistance system (VLS) for more safety and operating comfort (more information on page 08)
- High machine stability due to an almost vertical motion when lifting and lowering
- Simple and convenient operation thanks to the all-in-one joystick
- Perfect all-round visibility thanks to the optimal position of the telescopic arm and windows that slide all the way down

	TH408	TH412
Max. stacking height (mm)	3,901	4,259
Max. payload (kg)	780	1,250
Engine output (kW)	19.2	22.6

Practical dimensions and high payload – the TH412 transports and lifts 1.2 tons.

The most compact series of products with an extremely small turning circle of 2,227 mm.



Compact, maneuverable and dynamic: Even if things get tight.



Easy to transport:

The models TH408 and TH412 can conveniently be taken along on a car trailer, including attachments.



Perfect stacking heights allow for flexible handling of most varied loads.



Attach the rotary sweeper and your telehandler is ready for quickly cleaning large areas.



TH522, TH627

For stacking heights between 5 and 6 meters, the telehandlers TH522 and TH627 are the optimal solutions. They combine performance with a high degree of mobility and remain stable in all loading processes.

- Powerful, yet compact and maneuverable
- Innovative driver assistance system (VLS) as standard for more safety and operating comfort (more information on page 08)
- Superior mechanical stability despite low machine mass – even under heavy loads of up to 2.7 tons
- Deeply lowered windows and the optimized position of the telescopic arm ensure all-round visibility
- All-in-one-joystick allows comfortable and easy operation

Continuous panoramic front window

for the best visibility of the attachment in any position.



Comfortable for the operator thanks to smart hydraulics and electronic pilot control.

The unique advantages of the TH627:

- Exhaust emissions Stage IIIB thanks to state-of-the-art engine technology
- Optional diesel particulate filter
- Standard 3 steering types for ideal maneuvering in any situation (see page 09 for details)
- Comfortable operation thanks to load-independent flow distributions of the hydraulics and electronically pilot-controlled joystick
- Handy bucket return automation for even quicker work (optional)
- Cabin available in two heights



	TH522	TH627
Max. stacking height (mm)	5,156	5,730
Max. payload (kg)	2,200	2,700
Engine output (kW)	36.3	55.4

Sensitive control for precise and quick loading and unloading.



Perfectly balanced thanks to the well-balanced ratio of payload and stacking height.



Sophisticated attachments: Light materials bucket with extended bottom and elevated side walls for good handling performance.



Two cabin heights to choose from:

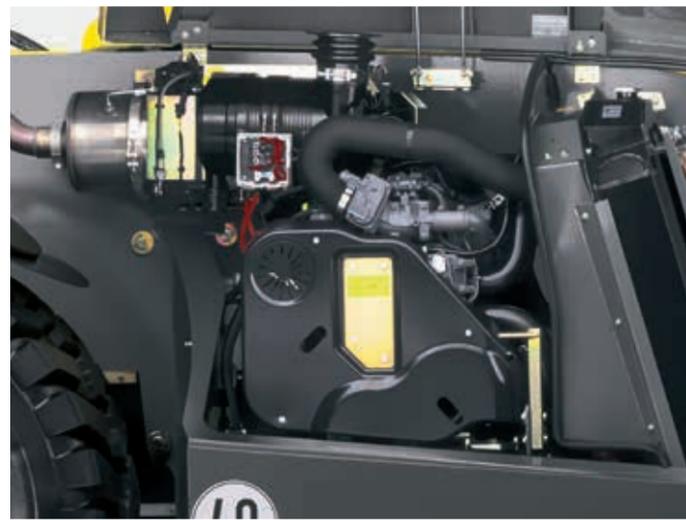
Low-set cabin is ideal for low clearance heights; raised cabins offer better all-round visibility and higher ground clearance.



Engines and transmissions

The engines meet the current valid emission regulations and convince through:

- Full efficiency output with simultaneously economical consumption
- Continuous drive system and perfectly coordinated drive train for the respective machine size



Cabin

The cabins of the telehandlers are a comfortable and ergonomically designed working area: starting with the adjustable operator's seat to practically arranged operator's controls to the good visibility and a low noise level.

The best view – even to the right. In addition, very good overview of the work area and attachment.



Hydraulics and control circuits

All four telehandlers convince with powerful work hydraulics with up to 106 l/min. Besides the rapid loading system work cycles, the hydraulic pumps also guarantee the operation of attachments via the 3rd and 4th control circuit – if needed, even with continuous function.



Three Types of Steering

Whether on the street or in tight driving maneuvers: The TH522 and TH627 show what they can do in every application and, thanks to three different types of steering, make moving material a breeze.

The TH522 and TH627 have all 3 steering modes



All-wheel steering:
Particularly maneuverable due to 2x40° steering angle.



Front axle steering:
Safe driving behavior, even when driving quickly on roads.



Crab steering:
Ideal for parallel driving along buildings and walls.

Driver assist system VLS

With VLS, even less-experienced operators manage efficient and fluid work: the telescopic arm can quickly lower almost vertically, with a simultaneous, partially automated telescoping movement. Another plus: very high level of stability.



Driver assist system VLS

Nearly vertical movement. Hardly any load torque displacement in the longitudinal direction of the machine.

— Response of the loading system

VLS is available for all telehandlers.

Attachments

Each of our telehandlers can be converted into a multifunctional machine, thanks to the comprehensive selection of attachments. Of course, you can also use attachments from other manufacturers for our telehandlers.

You can learn more about our attachments here: www.wackerneuson.com/attachments



Tires

You work even more efficiently with tires optimally tailored to the ground and application area. Four treads are available to choose from.



Tread selection for telehandlers



RP tread

- Gentle driving on the ground due to the large contact surface
- For application on lawns or on a sensitive surface



AS tread

- Tapered lamellas
- For smeary and clayey grounds



EM tread

- Parallel-running lamellas
- Large contact surface and therefore good thrusting force transmission and high running smoothness on the street
- For loose grounds, such as sand, gravel or crushed stone



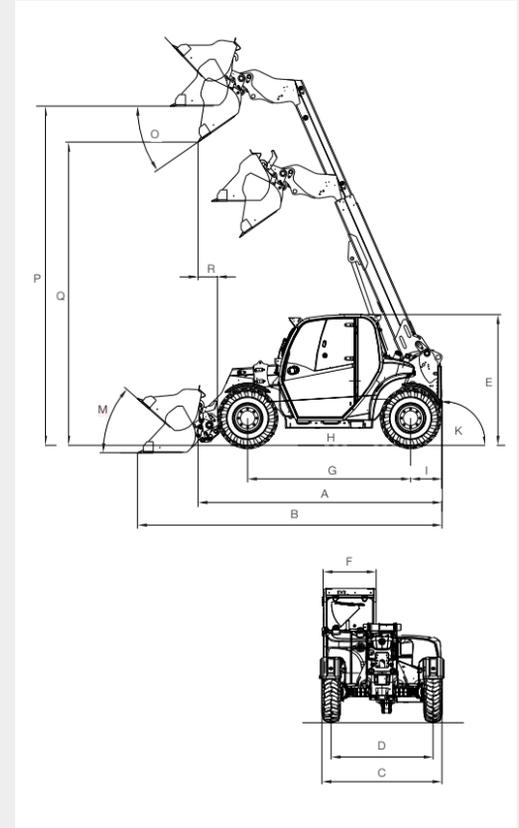
MPT tread

- Very broad application spectrum
- Good traction in uneven ground conditions
- Allows for quick road travel

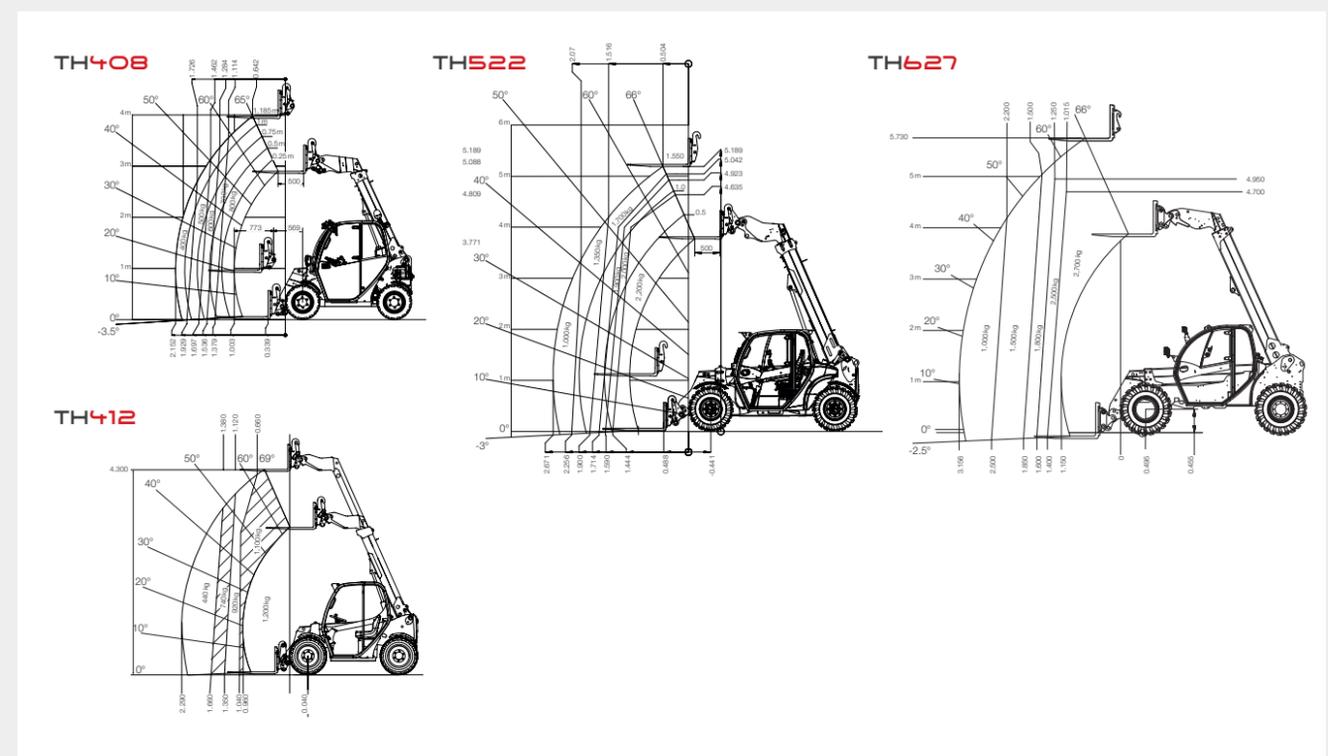
Dimensions

TELEHANDLERS

		TH408	TH412	TH522	TH627	
DIMENSIONS		UNIT				
A	Length, including attachment frame	mm	2,717	2,916	3,747	4,400
B	Length with standard bucket	mm	3,554	3,879	4,576	4,958
C	Width with standard tires	mm	1,413	1,560	1,808	1,960
D	Track width	mm	1,252	1,296	1,530	1,660
E	Height to the cab roof	mm	1,900	1,940	1,950	1,980
F	Width of the cabin	mm	662	662	785	825
G	Wheel base	mm	1,796	1,920	2,449	2,650
H	Ground clearance	mm	223	290	256	302
I	Distance from center of rear wheel to the tail	mm	343	391	472	620
K	Rear approach angle	°	90	32	90	-
M	Filling angle (bucket)	°	44	44	41	45
O	Dumping angle (bucket)	°	32	31	34.5	40
P	Overhead loading height with standard bucket	mm	3,799	4,123	5,056	5,600
Q	Dumping height	mm	3,318	3,589	4,520	5,280
R	Dump reach with standard bucket	mm	533	543	293	680



Payload diagram



Technical data

TELEHANDLERS

		TH408	TH412	TH522	TH627
OPERATIONAL DATA		UNIT			
Max. payload (LSP 500 mm)	kg	780	1,250	2,200	2,700
Max. payload (LSP 600 mm)	kg	750	1,150	1,950	-
Max. stacking height	mm	3,901	4,259	5,156	5,730
Operating weight	kg	2,270	2,700	4,200	4,900
Turning radius over tires	mm	2,227	2,607	3,281	3,670
ENGINE		UNIT			
Manufacturer	-	Yanmar	Yanmar	Perkins	Kohler
Performance	kW/hp	19.2/26	22.6/31 (29.6/40 optional)	36.3/49 (44.7/61 optional)	55/75
Displacement	cm³	1,116	1,331 (1,496 optional)	2,216	2,482
Exhaust emissions stage	-	IIIA	IIIA	IIIA (IIIB)	IIIB
Noise emissions at the operator's ear	dB (A)	84	84	82	79
Exhaust after-treatment	-	-	-	-	-
POWER TRANSMISSION		UNIT			
Drive system	-	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft	Hydrostatic
Speed	km/h	0-17	0-20	0-20 (30 optional)	0-20 (30 optional)
Axles	-	Planetary-steering drive axle	Planetary-steering drive axle	Planetary-steering drive axle	Planetary-steering drive axle
Total oscillation angle	°	14	14	16	20
WORK HYDRAULICS		UNIT			
Work pump	-	Gear pump	Gear pump	Gear pump	Gear pump
Discharge volume	l/min	33	42	70	90
Pressure	Bar	220	220	225	240
KINEMATICS		UNIT			
Bucket capacity	m³	0.31	0.45	0.71	0.85
Total swing angle of attachment carrier	°	148	148	144	150
Payload at max. lift height	kg	800	1,200	2,200	2,500
Payload at max. reach	kg	400	440	1,000	800
Stacking height at max. load	mm	3,901	4,258	4,635	-
Reach at maximum load	mm	1,003	1,040	1,442	-
Max. reach	mm	2,152	2,290	2,671	3,156
FILLING QUANTITIES		UNIT			
Fuel tank	l	39	25	70	100
Hydraulic tank	l	40	40	55	75
Diesel Exhaust Fluid-Tank	l	-	-	-	-

* Peak load

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 from Wacker Neuson includes over 300 different product groups with different versions, 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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Your everyday work is full of challenges. We have the right solutions and help you to be ahead of the competition.

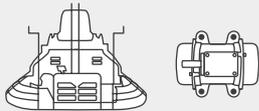
We offer you everything you need for this purpose:

Wacker Neuson – all it takes!

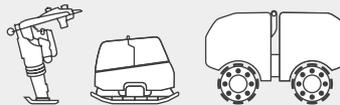


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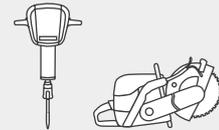
Products



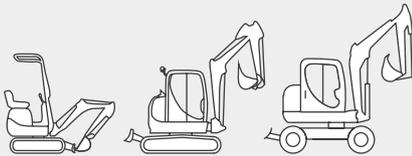
Concrete technology



Compression



Demolition technology



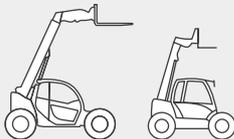
Excavators



Wheel loaders



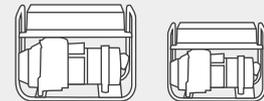
Excavators



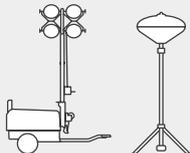
Telehandlers



Dumpers



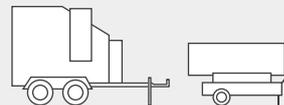
Generators



Lighting



Pumps



Heaters



Used equipment

Services rendered



Financing



Repair & maintenance



Academy



Rental



Telematics



The concrete specialists

Spare parts



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