

SW075 | SW085

**SANY**

Quality Changes the World



# THE SMALL MACHINES WITH GREAT PERFORMANCE

PRACTICAL, VERSATILE AND FLEXIBLE.

CONSTRUCTION MACHINERY



**COMPACT WHEEL LOADER**  
**SW075 | SW085**

Engine  
**YANMAR 4TNV88**  
Rated power ISO/TR14396  
**35 kW / 3000 rpm**  
Full load bucket capacity  
**0.7 m<sup>3</sup> / 0.75 m<sup>3</sup>**  
Operating mass  
**4150 / 4350 kg**



# SANY

**By your side throughout Europe,  
for sales, service and maintenance**

SANY Europe is part of the SANY Group, a globally active manufacturer of construction machinery, harbour equipment and wind turbines. Our wide range of powerful hydraulic excavators and wheel loaders has been specially developed for the European market and is distinguished by its efficient and reliable performance and its safe, straightforward and comfortable operation. It is a matter of course for us that all EU regulations and standards are adhered to, and that we fulfil our own stringent quality requirements. In addition to the latest technology and meticulous machining, these include comprehensive sales, service and maintenance support through our Europe-wide dealer network.

**125 000 m<sup>2</sup>**  
FACTORY PREMISES

**> 100**  
DEALERS IN EUROPE

**5 YEARS'**  
WARRANTY\*

**MOVING MORE**

\* Optionally available



**SW075 | SW085**

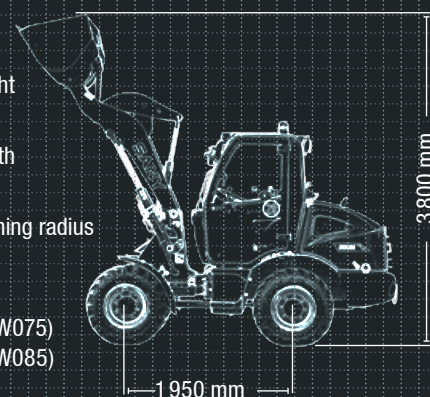
## SW075 | SW085 HARD FACTS

Transport height  
2 460 mm

Transport length  
4 800 mm

Inner tyres turning radius  
2 193 mm

Max. speed  
20 km/h (SW075)  
28 km/h (SW085)



## EVERYTHING THAT A COMPACT WHEEL LOADER NEEDS

The SW075 and SW085 compact wheel loaders are real all-rounders and virtually unbeatable in their versatility. Wherever small machines with great performance are called for, these compact machines are exactly the right choice. The compact dimensions and extreme manoeuvrability mean they can even do their job optimally in confined spaces. Thanks to strong lifting and breakout forces, even larger tasks can be completed in no time.

The construction of the machines may be compact, but they don't compromise when it comes to equipment. From the numerous attachment devices for flexible use to the standard float position, from the comfortable driver's cab to the comprehensive safety equipment, you will find everything on board that you need to make your work comfortable and more efficient, even on tricky construction sites.





MACHINING

**Quality that impresses** – The exclusive use of high-quality heavy-duty components guarantees reliability and durability, even during tough daily work on the construction site.

DIMENSIONS

**Always steady in every situation** – The clever weight distribution, thanks to the engine placement (40/60), the low-lying centre of gravity and the oscillating axle for a low centre of gravity shift ensure the machine maintains its high level of stability in every situation.

USER EXPERIENCE

**Maintenance made easy** – The hood suspended by gas-spring can be opened easily and widely. This means all parts needed for maintenance are easily accessible. This is also the case for the rear axle lubrication block, which is built in at a higher level.



DIMENSIONS  
Agile and manoeuvrable

The SANY compact wheelers are inexhaustible workhorses. With its precisely coordinated travelmotor, you can complete tasks on the construction site quickly and reliably. And you can arrive at the next place of use quickly over short distances. The SW085 boasts a **maximum speed of up to 28 km/h**. The compact dimensions and the **articulated steering with 80°-articulated joint** ensures particularly precise manoeuvring and working, even in extremely confined spaces.

COMPONENTS  
Optimal balance of forces for every task

Loading and unloading, excavating and backfilling, transporting and levelling – a high breakout force and quick loading and emptying are vital for many tasks on the construction site. The **Z-kinematics** combine high breakout forces in the lower section with enormous lifting forces in the upper section, guaranteeing an optimal balance of forces and quick working. The **brake pedal with integrated inch function** also gives the operator the opportunity to redirect the full engine power to the operating hydraulics. This not only protects the travelmotor, but also makes work faster and more economical.

The **standard float position** of the lifting gear offers even more versatility, for example when levelling or when using a snow plough. The attachment devices can move freely upwards and downwards. In order that this function can be used, the **optional safety valves** can easily be electrically overridden outside of the cab.



SAFETY

**Maximum safety** – the large windows with their downwards-sloping window lines and the compact dimensions give the driver outstanding visibility on all sides, ensuring maximum safety during operation.

COMPONENTS

**Reliable power** – the tried-and-tested Yanmar engine is the centre piece of the small powerhouse. The powerful transmission guarantees productivity and efficiency on the construction site. It also produces a high torque even in the lower speed range.

ECONOMY

**Economically impressive** – the well thought-out high-pressure transmission has sufficient power reserves, even for tough tasks or difficult terrain. However, it keeps consumption low even when delivering maximum performance – and ensures operating costs are reduced thanks to its low fuel consumption.

The added benefits  
SANY offers you:



- + Particularly agile compact loader
- + Comfortable driver's cab
- + Oscillating axle for greater stability
- + Multifunctional joystick
- + High safety standards
- + Sophisticated concept
- + Extensive standard features



Absolute reliability –  
for peace of mind!

SANY's five-year warranty\* gives you the assurance that you can fully count on your equipment.

\* Optionally available



# EFFICIENCY, COST-EFFECTIVENESS AND USER EXPERIENCE

SW075 | SW085

USER EXPERIENCE

## Maximum driver comfort for greater productivity

The generously dimensioned cockpit caters to the concerns of the driver down to the last detail – they can enjoy optimal comfort thanks to the **suspension seat with two armrests** and **ergonomically arranged controls**. Work is made efficient and comfortable with the **adjustable steering column** and, above all, with an especially sensitive **joystick with driving direction rocker switch** and **speed level selector switch**. This allows precise handling of the machine, even in tricky situations.



SAFETY

## The "stay on the safe side" concept

Safety at SANY begins before start-up. For example, the **large doors** ensure comfortable, quick and, above all, safe entry. Both the **large windows** and the **adjusted profile in the lifting gear** allow optimal visibility of the entire working area. The **working lights**, the **downwards-sloping window lines** and the **slanted hood** ensure optimum visibility of the working area to the rear. **Lowering brackets** guarantee that the cylinder cannot retract during maintenance work.



USER EXPERIENCE

## Convenient maintenance in focus

Regular maintenance and service are an essential part of the routine to ensure that the machines can perform reliably. We have made this especially easy with the compact wheel loaders – **all components needed for maintenance are quickly and easily accessible**. The large hood and **easily accessible lubrication points** save time during daily routine checks. This reduces unproductive periods, increases machine availability and extends the service life.

# IDEAL FOR EVERY USE

## SW075

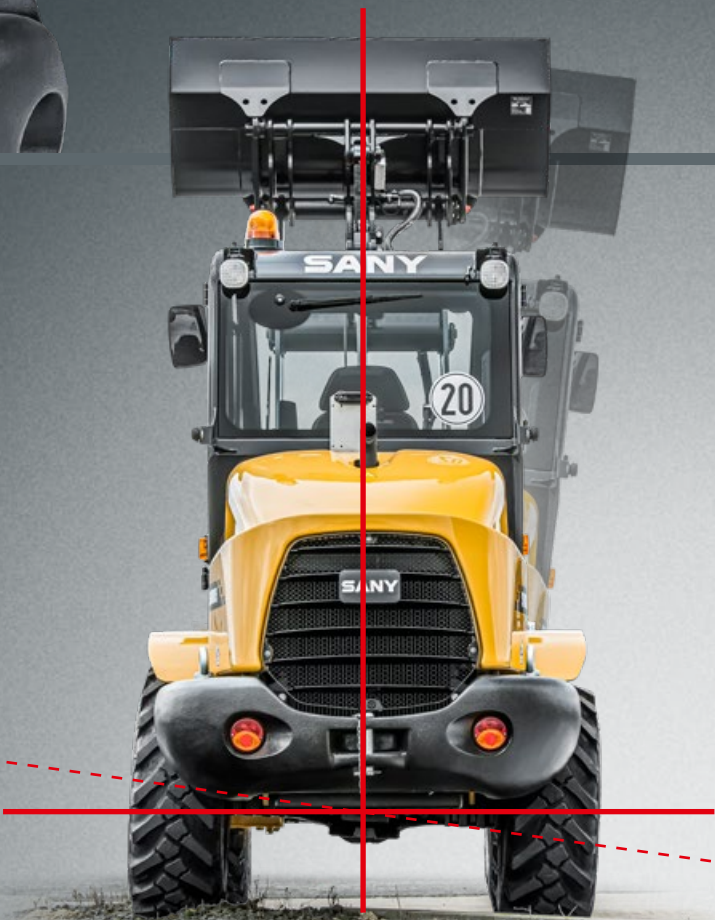
## SW085



SAFETY

## High stability thanks to perfect weight distribution

The SW075 and SW085 compact wheel loaders aren't called "compact" for nothing. They can do their job optimally in low entrances or narrow passages and in tight curve radiuses. They remain stable in every situation. Even with heavy loads, great working heights and on difficult terrain. Aside from the **engine placement** and the **low centre of gravity**, the **oscillating axle (rear)** ensures optimal traction. The optional safety valves also allow the machine to be used for lifting work, as the lifting gear is prevented from being lowered inadvertently.



## You wouldn't believe what our "small one" can do!

The SW075 with its **comprehensive standard features** and selection of **high-quality branded components** will leave no user in doubt of its ability to do the job. Like its big brother, it features an **oscillating rear axle**, **Z-kinematics** and a **comprehensive hydraulic package**, giving it everything that an efficient compact wheel loader in its class needs!



## A "small machine" with a big advantage

When it comes to speed, the SW085 compact wheel loader is a cut above the rest. With speeds of **up to 28 km/h** it can be fast on the construction site or when changing its place of use. The precisely coordinated travelmotor impresses by combining extremely fine control with great power – the SW085 boasts an **automatic stage adjustment**, even in difficult conditions. And while the SW075 with all-wheel drive and self locking differential drives, the SW085 is equipped with an **electrically engageable self locking differential on the front axle** – this is quick and easy to access if additional propulsion is needed.

- + 28 km/h (optional)
- + 100 % self locking differential (Front axle) electr. actuated
- + Automatic stage adjustment
- + High lifting capacities



ENGINE	SW075	SW085
Model	YANMAR 4TNV88	YANMAR 4TNV88
Type	4 cylinders with indirect injection and water cooling	4 cylinders with indirect injection and water cooling
Emission	Stage IIIA	Stage IIIA
Rated power ISO/TR 14396	35 kW / 3 000 rpm	35 kW / 3 000 rpm
Displacement	2 190 ccm	2 190 ccm

ELECTRICS	SW075	SW085
Battery	1 × 12 V / 80 Ah	1 × 12 V / 80 Ah
Alternator (capacity)	80 A	95 A
Protection class	IP 67	IP 67

TRANSMISSION	SW075	SW085
Transmission type	Hydrostatic	Hydrostatic
Performance regulation	Automatic	Automatic
Gears/stages	0 / 2	0 / 2
Forwards/backwards	Lever with electr. switch	Lever with electr. switch
Max. travel speed slow	0–7 km/h	0–7 km/h
Max. travel speed high	0–20 km/h	0–20 km/h 0–28 km/h opt.
Stage adjustment	-	Automatic

HYDRAULIC SYSTEM	SW075	SW085
Main pump	Gear pump	Gear pump
Max. oil flow	60 l/min	60 l/min
Relief valve (working hydraulic)	200 bar	200 bar
Relief valve (steering)	190 bar	190 bar

SERVICE FILLING QUANTITIES	SW075	SW085
Fuel tank	70 l	70 l
Engine oil	8 l	8 l
Front axle	5.8 l	5.8 l
Rear axle	6.5 l	6.5 l
Hydraulic system	57 l	57 l
Brake system	1.1 l	1.1 l
Engine coolant	10 l	10 l

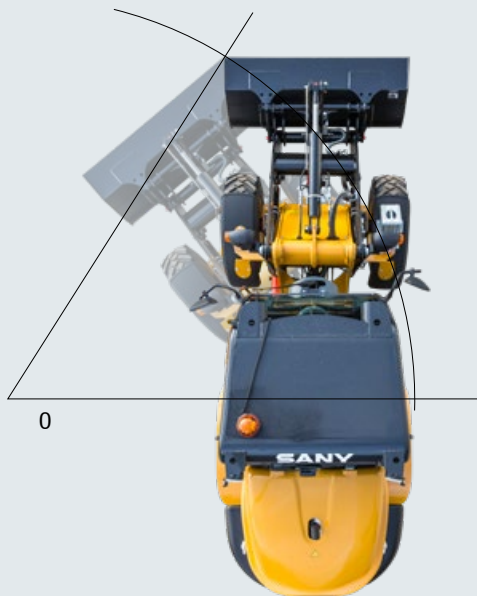
OPERATING MASS	SW075	SW085
Operating mass	4 150 kg	4 350 kg
Max. permissible mass	4 800 kg	4 800 kg

STEERING	SW075	SW085
Kind of steering	Articulated	Articulated
Total steering angle	80°	80°
Inner tyres turning radius	2 193 mm	2 193 mm
Outer tyres turning radius	3 790 mm	3 790 mm
Outer bucket turning radius	4 210 mm	4 210 mm

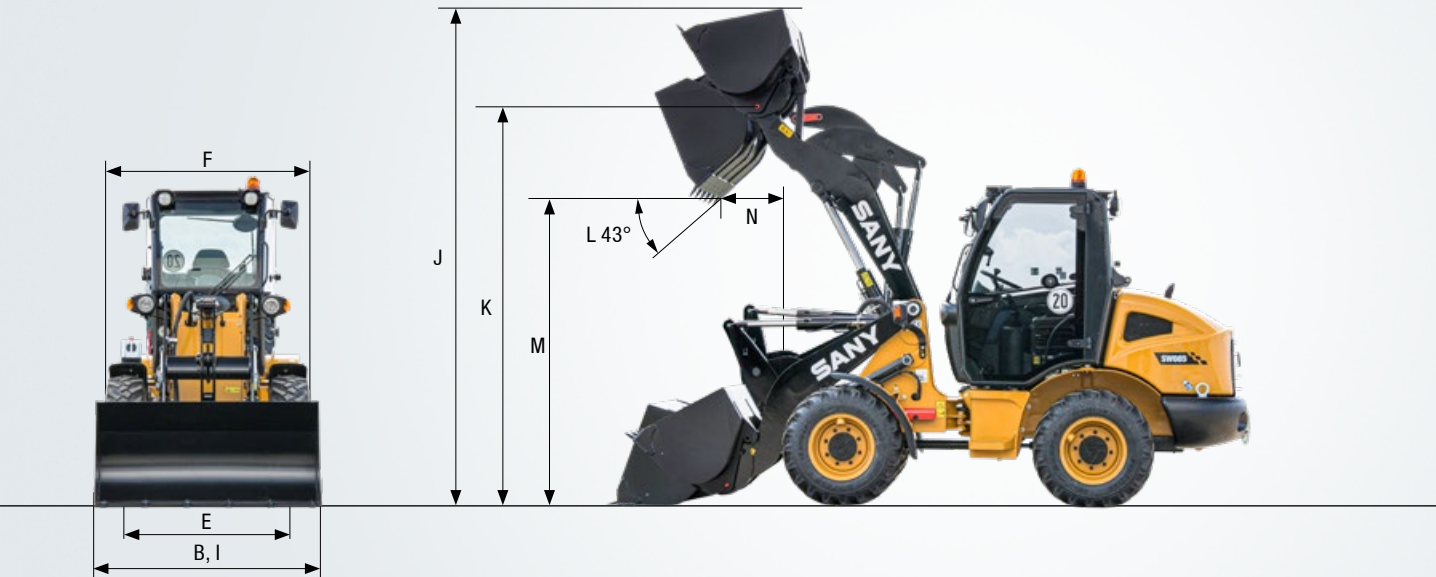
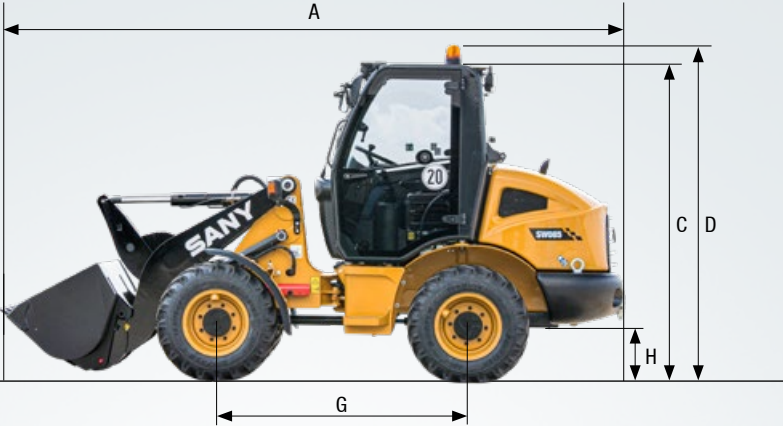
TYRES	SW075	SW085
Dimensions	12.0/75-18 12pr	335/80 R18 Dunlop SPT9

BRAKES	SW075	SW085
Service brake	Drum brake, hydraulically operated on the front axle with effect on all wheels	Drum brake, hydraulically operated on the front axle with effect on all wheels
Parking brake	Mechanical drum brake with effect on service brake	Mechanical drum brake with effect on service brake

AXLES	SW075	SW085
Type	Heavy duty; planetary drive on every wheel; oscillating axle (rear)	Heavy duty; planetary drive on every wheel; oscillating axle (rear)
Angle of oscillation	20°	20°
Differential	Self locking differential on front axle	100% manual locking differential (electr. actuated) on front axle



DIMENSIONS	SW075	SW085
A Transport length (transport position)	4 800 mm	4 800 mm
B Transport width	1 700 mm	1 700 mm
C Transport height	2 460 mm	2 460 mm
D Transport height with beacon lamp	2 610 mm	2 610 mm
E Tyre width	1 320 mm	1 320 mm
F Transport width (tyres)	1 640 mm	1 640 mm
G Wheel base	1 950 mm	1 950 mm
H Ground clearance	370 mm	370 mm



ATTACHMENTS	SW075	SW085	SW075	SW085	SW075	SW085	SW075	SW085
	Universal bucket		4 in 1 bucket		Lightweight bucket		Fork	
Full load bucket capacity (SAE)	0.7 m³	0.75 m³	0.6 m³	0.6 m³	1.2 m³	1.2 m³	-	-
I Bucket width	1 700 mm	1 700 mm	1 700 mm	1 700 mm	1 900 mm	1 900 mm	-	-
J Max. height	3 800 mm	3 800 mm	3 750 mm	3 750 mm	3 850 mm	3 850 mm	-	-
K Heights to hinge point	3 100 mm	3 100 mm	3 100 mm	3 100 mm	3 100 mm	3 100 mm	-	-
L Dump angle	43°	43°	43°	43°	43°	43°	-	-
M Dump height	2 450 mm	2 450 mm	2 500 mm	2 500 mm	2 400 mm	2 400 mm	-	-
N Reach fully raised	650 mm	650 mm	600 mm	600 mm	700 mm	700 mm	-	-
O External bucket turning radius	4 200 mm	4 200 mm	4 000 mm	4 000 mm	4 300 mm	4 300 mm	-	-
Bucket weight	250 kg	250 kg	250 kg	350 kg	350 kg	350 kg	-	-
Bucket static tipping load, straight	3 000 kg	3 300 kg	2 900 kg	3 200 kg	2 700 kg	2 900 kg	-	-
Bucket static tipping load, full turned	2 700 kg	3 000 kg	2 600 kg	2 900 kg	2 400 kg	2 700 kg	-	-
Breakout force	4 700 kg	5 400 kg	5 100 kg	5 800 kg	4 400 kg	5 100 kg	-	-
Transport length incl. attachment	4 800 mm	4 800 mm	4 750 mm	4 750 mm	4 800 mm	4 800 mm	-	-
Forks length	-	-	-	-	-	-	1 200 mm	1 200 mm
Max. loading height (fork or quick-hitch)	-	-	-	-	-	-	2 870 mm	2 870 mm
Max. dumping distance (fork or quick-hitch)	-	-	-	-	-	-	1 215 mm	1 215 mm
Forks static tipping load full turned	-	-	-	-	-	-	2 200 kg	2 400 kg
Forks payload EN 474 (80%)	-	-	-	-	-	-	1 760 kg	1 920 kg
Forks payload EN 474 (60%)	-	-	-	-	-	-	1 400 kg	1 440 kg



Amazingly well equipped for their size

The SW075 and SW085 compact wheel loaders offer impressive standard features. They have everything needed to work efficiently and precisely ex works, such as **no skive-hydraulic lines, a beacon lamp and working lights**. Similarly, they also feature a **front electrics kit** and the **lighting equipment** ex-works.



USER EXPERIENCE/CAB

Heating	●	●
Armrest right & left	●	●
12 V socket	●	●
Window wiper	●	●
Washer for window wiper	●	●
Mechanical joystick	●	●
Additional hydraulic circuit on joystick	●	●
Windows openable by 180°	●	●
Door openable by 180°	●	●
Windows gap opening	●	●
Rear mirror foldable	●	●
Joystick with travel direction	●	●
Bottle holder and storage compartment	●	●
Mechan. suspension seat	●	●
Prepared for radio	●	●
Air suspension seat	opt.	opt.
Airconditioning	opt.	opt.
Heated mirrors	opt.	opt.

TRAVELMOTOR/AXLES

2 stage hydrostatic transmission	●	●
Oscillating axle (rear)	●	●
Self locking differential	●	
100 % manual locking differential		●
Inch/brake pedal	●	●
Fast travel option		opt.

● SW075 ● SW085

The standard and special options differ depending on the country to which the mini excavator is delivered. If you have any questions, please contact your dealer directly.

WORKING EQUIPMENT

3. hydr. circuit	●	●
Front electrics kit	●	●
Bucket level indication	●	●
Different types of quick-hitches	opt.	opt.
Different attachments	opt.	opt.

LIGHTS

Lights for road travel	●	●
Working lights (front)	●	●
Working lights (rear)	●	●

MAINTENANCE/TRANSMISSION

Hood suspended by gas-spring	●	●
Bolt for hitch	●	●
Stronger battery	opt.	opt.

SAFETY

Safety valves (electr. actuated)	opt.	opt.
Reverse travel alarm	●	●
Beacon lamp	●	●
Battery master switch	●	●
Safety valves	●	●
ROPS/FOPS certificate	●	●
Homologation	opt.	opt.

A SERVICE YOU CAN RELY ON

Just as we do with our excavators, we demand high quality and reliability of our service products. This underlines our equipment's performance in terms of their durability and their excellent price-performance ratio. After all, maintenance is crucial for

efficiency, cost-effectiveness and safety. Your SANY dealer is happy to help you with a comprehensive range of services to ensure that your machine continues operating efficiently in the long term.

SANY – flexible, fast and always there for you

Rapid assistance, tailored advice and a reliable supply of original parts – that is what we mean by a premium service.



The added benefits SANY offers you:

- ✚ Fast supply thanks to the central warehouse near Cologne
- ✚ More than 15 000 spare parts for high machine reliability
- ✚ Expert knowledge for optimal supply for your machine
- ✚ Thanks to SANY's special training programme, our dealers are always kept up-to-date so that they can face all technical challenges.



Parts supply – fast and reliable

By purchasing a SANY compact wheel loader, you have invested in the future. Fast availability of spare parts is your guarantee of minimal downtimes and failure times.



Detailed information in black and white

Handbooks and documents are available for all SANY compact wheel loaders; these can help you with operation, maintenance, servicing and repairs. These include operating and maintenance instructions and technical specifications.



# PRODUCTIVITY AND VERSATILITY



The SANY SW075/SW085 compact wheel loaders perfectly combine versatility and high performance. Its Z-kinematics for quickly tipping the bucket and powerful picking up of the load boosts productivity – quick, reliable and precise in all tasks. Furthermore, a hydraulic quick-hitch is available in various designs, providing additional flexibility and time savings.

### QUALITY THAT IMPRESSES

High-quality materials and exclusive machining of HD components give you the confidence that the machines will deliver great performance, even under the highest loads.

### ALWAYS STEADY IN EVERY SITUATION

The high bucket hinge point and low centre of gravity allow you to fill in even deep hollows, or to pick up pallets that are stored up high.

### MAINTENANCE MADE EASY

The daily routine checks and all maintenance and service work on the machine can be completed quickly and easily. This is helped by, for example, the large, one-piece hood, as well as the easily accessible rear axle lubrication block.

### MAXIMUM SAFETY

Maximum safety in operation is essential. The SW075/SW085 compact wheel loaders are therefore equipped with an extensive safety package as standard; for example large, deep-drawn window panes and window wipers for a wide field of vision, a beacon lamp and working lights at the front and back. The particularly well-protected electrics is another advantage for safety.

### RELIABLE POWER

The YANMAR 4-cylinder diesel engine is optimised for tough construction machine use. Powerful and persevering, with enough power reserves for when the going gets tough. The convenient 2 stage travelmotor optionally enables thrust or the ability to quickly change the place of use.

### TECHNICAL HIGHLIGHTS (SW085)

Engine	YANMAR 4TNV88
Rated power (ISO/TR14396)	35 kW / 3 000 rpm
Max. travel speed	28 km/h
Inner tyres turning radius	2 193 mm
Bucket static tipping load, straight	3 300 kg
Max. oil flow	60 l/min



**"MANOEUVRABLE WITH PLENTY OF THRUST!"**

Wolfgang Grätke (machine operator) – Lindenborn

Not all products are available in all markets. As part of our continuous improvement process, we reserve the right to modify specifications and designs without giving prior notice. The figures may contain additional options.

# SANY

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#### SANY EUROPE GmbH

Sany Allee 1  
50181 Bedburg, Germany  
fon +49 2272 90531 100  
fax +49 2272 90531 109  
info@sanyeurope.com  
www.sanyeurope.com