



## WL28

### Wheel Loader

Compact and Powerful

Transporting heavy loads through tight spaces is the ideal operational area for the WL28 wheel loader. It can easily handle pallets of paving stones or other material up to 1.6 metric tons. The electronically-controlled travel drive with various travel modes enables extremely productive work using the machine. The low-designed cab ensures excellent visibility and high tipping loads. Because of the outstanding visibility, the machine offers exceptional safety during operation. The low operating weight also allows the WL28 to be transported on a car trailer.

### Highlights

- Comfort cab
- Electronically regulated drive system
- Electric parking brake
- High productivity thanks to the low front carriage
- The wheel loader as an attachment carrier

### Technical Data

#### ■ Standard engine data

Engine manufacturer	Yanmar	Drive output	33.3 kW
Motor type	3TNV80FT	Drive output	45.3 PS
Cylinder	3	at max. rpm	2,600 U/min
Drive output	18.4 kW	Cylinder capacity	1,568 cm <sup>3</sup>
Drive output	25 PS	Type of coolant	Water
at max. rpm	2,600 U/min	Exhaust standard level	V
Cylinder capacity	1,226 cm <sup>3</sup>	Exhaust aftertreatment	DOC/DPF
Type of coolant	Water	Average sound power level LwA (operator's canopy)	98.1 dB(A)
Exhaust standard level	V	Guaranteed sound power level LwA (operator's canopy)	100 dB(A)
Exhaust aftertreatment	-	Specified sound pressure level LpA (operator's canopy)	84 dB(A)
Average sound power level LwA (operator's canopy)	99.3 dB(A)	Average sound power level LwA (cabin)	98.1 dB(A)
Guaranteed sound power level LwA (operator's canopy)	101 dB(A)	Guaranteed sound power level LwA (cabin)	100 dB(A)
Specified sound pressure level LpA (operator's canopy)	84 dB(A)	Specified sound pressure level LpA (cabin)	80 dB(A)
Average sound power level LwA (cabin)	99.3 dB(A)		
Guaranteed sound power level LwA (cabin)	101 dB(A)		
Specified sound pressure level LpA (cabin)	80 dB(A)		

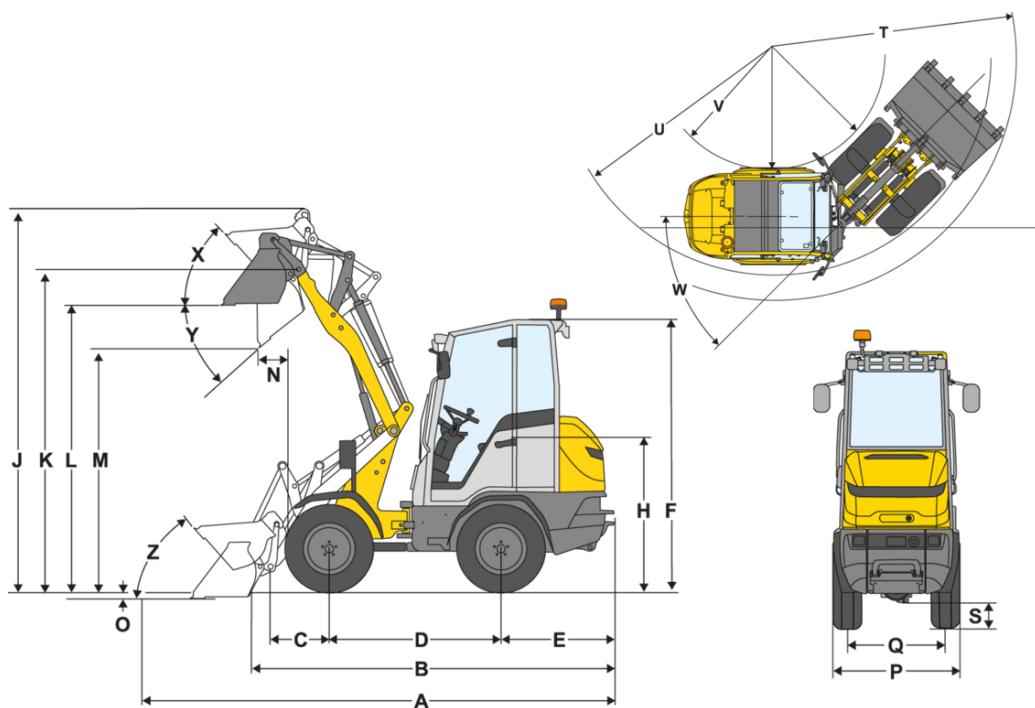
#### ■ Engine data Option 2

Engine manufacturer	Yanmar
Motor type	3TNV86CHT
Cylinder	3
Drive output	40.1 kW
Drive output	54.5 PS
at max. rpm	2,600 U/min
Cylinder capacity	1,568 cm <sup>3</sup>

The illustrations, equipment and data shown may deviate from the current delivery program of your country. Optional equipment subject to additional charge may be shown. Subject to changes.

Type of coolant	Water	Speed levels	2
Exhaust aftertreatment	DOC/DPF	Axle	PA940
Average sound power level LwA (cabin)	97.7 dB(A)	Travel speed Standard	0-20 km/h
Guaranteed sound power level LwA (cabin)	100 dB(A)	Travel speed Option 1	0-30 km/h
Specified sound pressure level LpA (cabin)	76 dB(A)	Operating brake	Multi-disc brake on front axle acting on rear axle via universal joint shaft
<b>Electrical system</b>		Parking brake	Electro-hydraulic multi-disc brakes with spring suspension in the front axle acting on rear axle via articulated universal joint shaft
Operating voltage	12 V	Differential lock	100 % front axle + rear axle
Battery	77 Ah		
Alternator	80 A		
<b>Weights</b>			
Bucket capacity (standard bucket)	0.42 m <sup>3</sup>	Drive hydraulics working pressure (max.)	400 (470) bar
Operating weight	2,800 - 3,300 kg	Work hydraulics discharge volume (max.)	41,6 (49,5-84) l/min
Tipping load with bucket – machine straight, loading frame horizontal	1,910 - 2,640 kg	Work hydraulics working pressure (max.)	210 bar
Tipping load with bucket – machine pivoted, loading frame horizontal	1,600 - 2,200 kg	<b>Kinematics</b>	
Tipping load with pallet fork – machine straight, loading frame horizontal	1,550 - 2,140 kg	Kinematics type	P
Tipping load with pallet fork – machine pivoted, loading frame horizontal	1,310 - 1,800 kg	Lifting cylinder	2
		Tipping cylinder	1
		Quick change system	hydraulic
<b>Driver's cab</b>			
Driver's cab	FSD (EPS, cabin)	<b>Steering</b>	
<b>Filling levels</b>			
Tank capacity for fuel	50 l	Steering type	hydraulically activated articulated pendulum steering
Tank capacity for hydraulic oil	30 l	Steering cylinder	1
<b>Drive system</b>			
Type of drive	electronically controlled	Oscillating angle	± 8 degree
drive unit	Hydrostatic via transfer gearbox and universal joint shaft	<b>Other information</b>	
		FSD = overhead guard EPS = Easy Protection System (fold-down overhead guard) DPF = diesel particulate filter DOC = diesel oxidation catalyst Tipping load calculation pursuant to ISO 14397	

## Dimensions



A	Total length	4,520 mm
B	Total length without bucket	3,710 mm
C	Bucket pivot point (to center of axle)	670 mm
D	Wheel base	1,760 mm
E	Rear overhang	1,230 mm
F	Height with operator's canopy (fixed)	2,340 mm
G	Height with fold-down operator's canopy (EPS)	2,395 mm
H	Height with fold-down operator's canopy (EPS), folded down	1,890 mm
I	Height with cab	2,350 mm
J	Seat height	1,350 mm
K	Total working height	3,210 mm
L	Bucket pivot point (max. lift height)	2,560 mm
M	Dumping height	2,240 mm
N	Reach (at M)	1,700 mm
O	Digging depth	520 mm
P	Load-over height	130 mm
Q	Total width	1,250 mm
R	Track width	940 mm
S	Ground clearance	270 mm
T	Maximum radius	45 °
U	Radius on the outer edge	3,200 mm
V	Inner radius	2,800 mm
W	Articulation angle	47 °
X	Dumping angle	1,510 mm
Y	Rollback angle at max. lift height	41 °
Z	Rollback angle on ground	50 °