



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 3,500 lb. 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	44.7 HP
Cylinder	3	at max. rpm	2,600 rpm
Drive output	18.4 kW	Cylinder capacity	95.69 in ³
Drive output	24.7 HP	Type of coolant	Water
at max. rpm	2,600 rpm	Exhaust standard level	V
Cylinder capacity	74.82 in ³	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)		

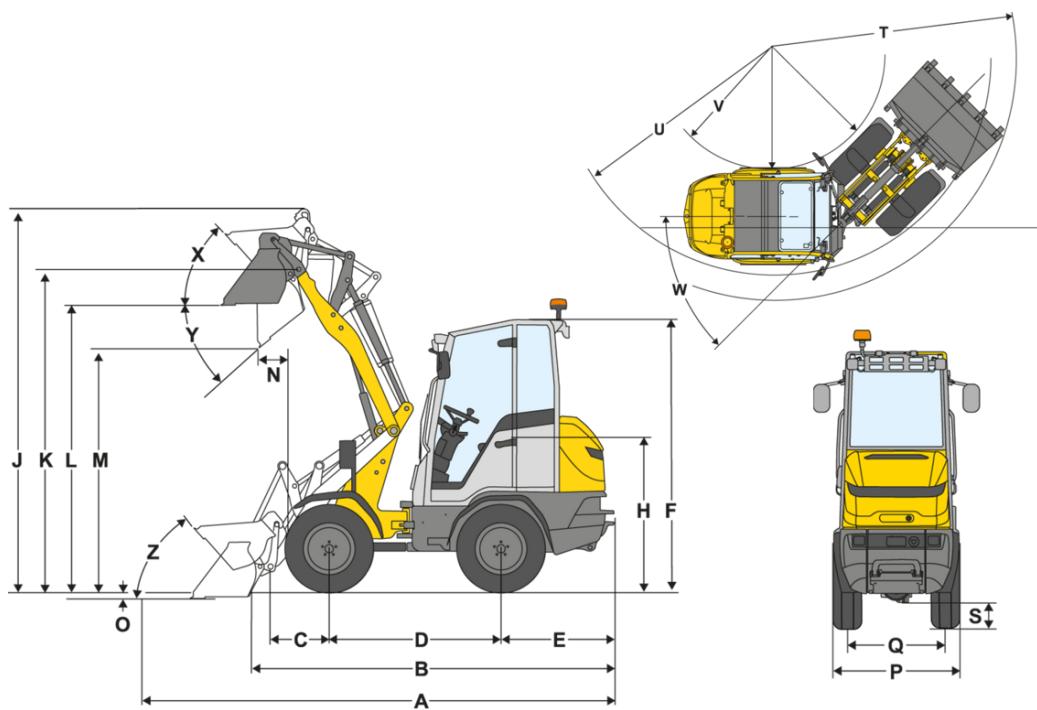
■ Engine data Option 2

Engine manufacturer	Yanmar
Motor type	3TNV86CHT
Cylinder	3
Drive output	40.1 kW
Drive output	53.8 HP
at max. rpm	2,600 rpm
Cylinder capacity	95.69 in ³

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	0-12.43 mph
Guaranteed sound power level LwA (cabin)	100 dB(A)	Travel speed Option 1	0-18.64 mph
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
Electrical system		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		
Weights			
Operating weight	6,173 - 7,275 lb	Drive hydraulics working pressure (max.)	5,802 (6,817) psi
Tipping load with bucket – machine straight, loading frame horizontal	4,211 - 5,820 lb	Work hydraulics discharge volume (max.)	10'99 (13.08-22.19) gpm
Tipping load with bucket – machine pivoted, loading frame horizontal	3,527 - 4,850 lb	Work hydraulics working pressure (max.)	3,046 psi
Tipping load with pallet fork – machine straight, loading frame horizontal	3,417 - 4,718 lb		
Tipping load with pallet fork – machine pivoted, loading frame horizontal	2,888 - 3,968 lb		
Driver's cab		Kinematics	
Driver's cab	FSD (EPS, cabin)	Kinematics type	P
Filling levels			
Tank capacity for fuel	13.21 US gal	Lifting cylinder	2
Tank capacity for hydraulic oil	7.93 US gal	Tipping cylinder	1
Drive system		Quick change system	hydraulic
Type of drive	electronically controlled	Steering	
drive unit	Hydrostatic via transfer gearbox and universal joint shaft	Steering type	hydraulically activated articulated pendulum steering
		Steering cylinder	1
		Oscillating angle	± 8 degree
Other information			
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	178.0 in
B	Total length without bucket	146.1 in
C	Bucket pivot point (to center of axle)	26.4 in
D	Wheel base	69.3 in
E	Rear overhang	48.4 in
F	Height with operator's canopy (fixed)	92.1 in
	Height with fold-down operator's canopy (EPS)	94.3 in
F	Height with fold-down operator's canopy (EPS), folded down	74.4 in
	Height with cab	92.5 in
H	Seat height	53.2 in
J	Total working height	126.4 in
K	Bucket pivot point (max. lift height)	100.8 in
L	Load-over height	88.2 in
M	Dumping height	66.9 in
N	Reach (at M)	20.5 in
O	Digging depth	5.1 in
P	Total width	49.2 in
Q	Track width	37.0 in
S	Ground clearance	10.6 in
T	Maximum radius	126.0 in
U	Radius on the outer edge	110.2 in
V	Inner radius	59.5 in
W	Articulation angle	45 °
X	Rollback angle at max. lift height	47 °
Y	Dumping angle	41 °
Z	Rollback angle on ground	50 °