

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
Motor type	3TNV80FT
Cylinder	3
Drive output	18.4 kW
Drive output	24.7 HP
at max. rpm	2,600 rpm
Cylinder capacity	77.3 in³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	-
Average sound power level LwA (operator's canopy)	99.3 dB(A)
Guaranteed sound power level LwA (operator's canopy)	101 dB(A)
Specified sound pressure level LpA (operator's canopy)	84 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 1

Engine manufacturer	Yanmar
Motor type	3TNV86CHT
Cylinder	3
Drive output	33.3 kW
Drive output	44.7 HP
at max. rpm	2,600 rpm
Cylinder capacity	95.69 in³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	DOC/DPF
Average sound power level LwA (operator's canopy)	98.1 dB(A)
Guaranteed sound power level LwA (operator's canopy)	100 dB(A)
Specified sound pressure level LpA (operator's canopy)	84 dB(A)
Average sound power level LwA (cabin)	98.1 dB(A)
Guaranteed sound power level LwA (cabin)	100 dB(A)
Specified sound pressure level LpA (cabin)	80 dB(A)

Engine data Option 2

Engine manufacturer	Yanmar
Motor type	3TNV86CHT
Cylinder	3

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Drive output	40.1 kW
Drive output	53.8 HP
at max. rpm	2,600 rpm
Cylinder capacity	95.69 in³
Type of coolant	Water
Exhaust aftertreatment	DOC/DPF
Average sound power level LwA (cabin)	97.7 dB(A)
Guaranteed sound power level LwA (cabin)	100 dB(A)
Specified sound pressure level LpA (cabin)	76 dB(A)

Electrical system

Operating voltage	12 V
Battery	77 Ah
Alternator	80 A

Weights

Bucket capacity (standard bucket)	14.83 ft³
Operating weight	6,195 - 7,165 lb
Tipping load with bucket – machine straight, loading frame horizontal	4,211 - 5,820 lb
Tipping load with bucket – machine pivoted, loading frame horizontal	3,527 - 4,850 lb
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

Driver's cab	FSD (EPS, cabin)

Filling levels

Tank capacity for fuel	13.21 US gal
Tank capacity for hydraulic oil	7.93 US gal

Drive system

Type of drive	electronically controlled
drive unit	Hydrostatic via transfer gearbox and universal joint shaft
Speed levels	2
Axle	PA940
Travel speed Standard	0-12.43 mph
Travel speed Option 1	0-18.64 mph
Operating brake	Multi-disc brake on front axle acting on rear axle via universal joint shaft
Parking brake	Electro-hydraulic multi-disc brakes with spring suspension in the front axle acting on rear axle via articulated universal joint shaft
Differential lock	100 % front axle + rear axle

Hydraulic system

Drive hydraulics working pressure (max.)	5,947 (6,237-7,252) psi
Work hydraulics discharge volume (max.)	10´.99 (15.45-22.19) gpm
Work hydraulics working pressure (max.)	3,046 psi

Kinematics

Kinematics type	P
Lifting cylinder	2
Tipping cylinder	1
Quick change system	hydraulic

Steering

Steering type	hydraulically activated articulated pendulum steering
Steering cylinder	1
Oscillating angle	± 8 degree

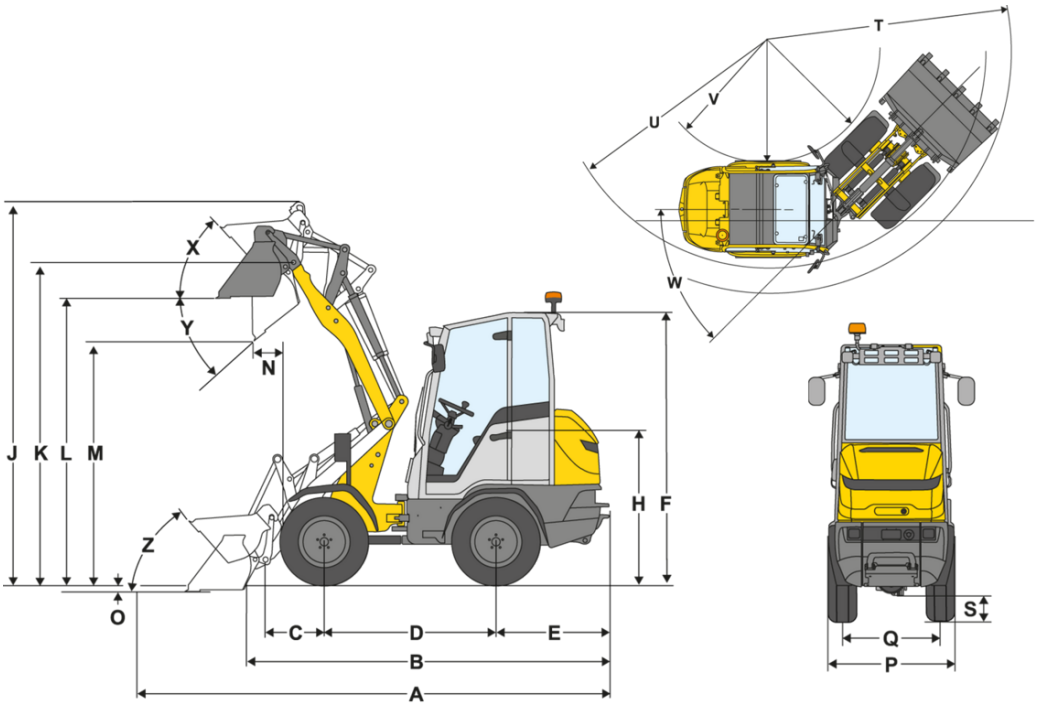
Other information

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

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Dimensions



A	Total length	181.7 in
B	Total length without bucket	148.8 in
C	Bucket pivot point (to center of axle)	26.4 in
D	Wheel base	69.4 in
E	Rear overhang	48.5 in
F	Height with operator's canopy (fixed)	92.3 in
	Height with fold-down operator's canopy (EPS)	94.5 in
F	Height with fold-down operator's canopy (EPS), folded down	75.2 in
	Height with cab	92.3 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 external radius	124.8 in
U	Radius on the outer edge	109.3 in
V	Inner radius	59.3 in
W	Articulation angle	45 °
X	Rollback angle at max. lift height	47 °
Y	Dumping angle	41 °
Z	Rollback angle on ground	50 °

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