



T4512 Telehandlers

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	74.82 in ³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	-
Average sound power level LwA (cabin)	93.5 dB(A)
Guaranteed sound power level LwA (cabin)	94 dB(A)
Specified sound pressure level LpA (cabin)	78 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 in ³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	DOC/DPF
Average sound power level LwA (cabin)	94.1 dB(A)
Guaranteed sound power level LwA (cabin)	95 dB(A)
Specified sound pressure level LpA (cabin)	78 dB(A)

■ Electrical system

Operating voltage	12 V
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Battery	77 Ah
Alternator	80 A

■ Weights

Payload (max.)	2,756 lb
Operating weight	6,063 - 6,393 lb

■ Driver's cab

Driver's cab	Cab
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■ Filling levels

Tank capacity for fuel	8.72 US gal
Tank capacity for hydraulic oil	9.51 US gal

■ Drive system

Type of drive	ecDrive (Electronic Controlled Drive)
drive unit	hydrostatic via transfer case and cardan shaft
Speed levels	2

Axle	PAL 1155
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Travel speed Standard	0-12,43 mph
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Travel speed Option 1	0-18,64 mph
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Operating brake	Hydraulically actuated disc brake on front axle acting on rear axle via cardan shaft
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Parking brake	Electro-hydraulic spring-loaded brake on front axle, acting on rear axle via cardan shaft
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Differential lock	100% front axle rear axle
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■ Hydraulic system

Drive hydraulics working pressure (max.)	5511 psi
Work hydraulics discharge volume (max.)	9,62 (10,99-18,49) gpm
Work hydraulics working pressure (max.)	3191 psi

■ Kinematics

Lifting cylinder	1
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Tipping cylinder	1
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Quick change system	mechanical (hydraulic)
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■ Steering

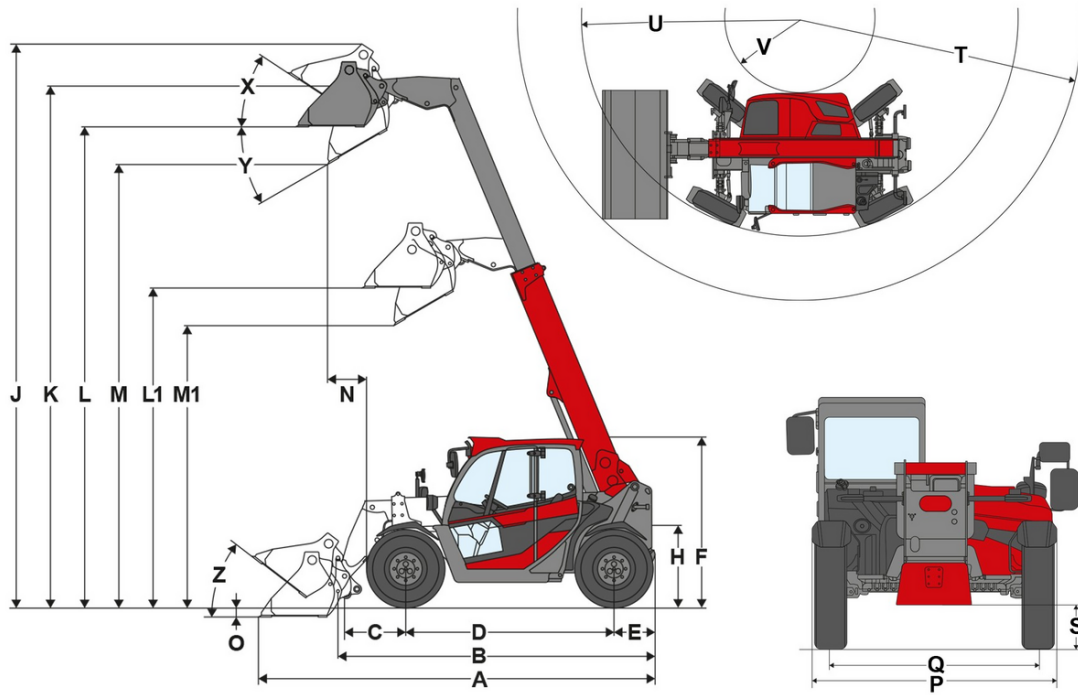
Steering type	Hydraulic all-wheel steering with end position synchronization
Steering cylinder	2
Steering angle max.	2x38 degree

Oscillating angle of the rear axle ± 7 degree

■ Other information

DPF = Diesel Particulate Filter
DOC = Diesel oxidation catalyst
SCR = Selective Catalytic Reduction

Dimensions



	Standard components	10.0/75-15.3 AS ET-40 Starco
A	Total length	155.28 in
B	Total length without bucket	117.76 in
C	Bucket pivot point (to center of axle)	17.72 in
D	Wheel base	75.67 in
E	Rear overhang	16.81 in
F	Height with cab lowered	
	Height with cab	78.54 in
	Height with cab raised	
H	Seat height	38.50 in
J	Total working height	207.87 in
K	Bucket pivot point (max. lift height)	178.62 in
L1	Load-over height telescopic arm retracted	116.10 in
L	Load-over height telescopic arm extended	163.90 in
M1	Dumping height telescopic arm retracted	95.08 in
M	Dumping height telescopic arm extended	142.91 in
N	Reach (at M)	21.93 in
O	Digging depth	3.58 in
P	Total width	61.57 in
Q	Track width	49.02 in
S	Ground clearance	11.57 in
T	Maximum radius	138.03 in
U	Radius on the outer edge	106.10 in
V	Inner radius	37.44 in
X	Rollback angle at max. lift height	52 °
Y	Dumping angle	31 °
Z	Rollback angle on ground	44 °