



1390 Hoftrac

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 (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 in ³
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
Drive output	40.1 kW
Drive output	53.8 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)	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

Operating weight	6,063 - 7,055 lb
Thrust force (max.)	2,158 - 3,492 daN
Lift capacity (max.)	2,448 - 3,592 daN
Tipping load with bucket – machine straight, loading frame horizontal	3,351 - 4,696 lb
Tipping load with bucket – machine pivoted, loading frame horizontal	2,712 - 4,057 lb
Tipping load with bucket - machine straight, loading frame in lowest position	4,960 - 7,363 lb

Tipping load with bucket - machine pivoted, loading frame in lowest position	4,079 - 6,371 lb
Tipping load with pallet fork – machine straight, loading frame horizontal	2,800 - 3,902 lb
Tipping load with pallet fork – machine pivoted, loading frame horizontal	2,271 - 3,373 lb
Tipping load with pallet fork - machine straight, transport position	3,263 - 4,696 lb
Tipping load with pallet fork - machine pivoted, transport position	2,690 - 4,079 lb

■ Driver's cab

Driver's cab	FSD (eps, cabin)
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■ Filling levels

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

■ Drive system

Type of drive	ecDrive (Electronic Controlled Drive)
drive unit	Hydrostatic via transfer gearbox and universal joint shaft
Speed levels	2
Axle	T94 (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% VA + HA (option)

■ Hydraulic system

Drive hydraulics working pressure (max.)	5,511 (5,802-6,817) psi
Work hydraulics discharge volume (max.)	10.99 (13.08-22.19) gpm
Work hydraulics working pressure (max.)	3,046 psi

■ Kinematics

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

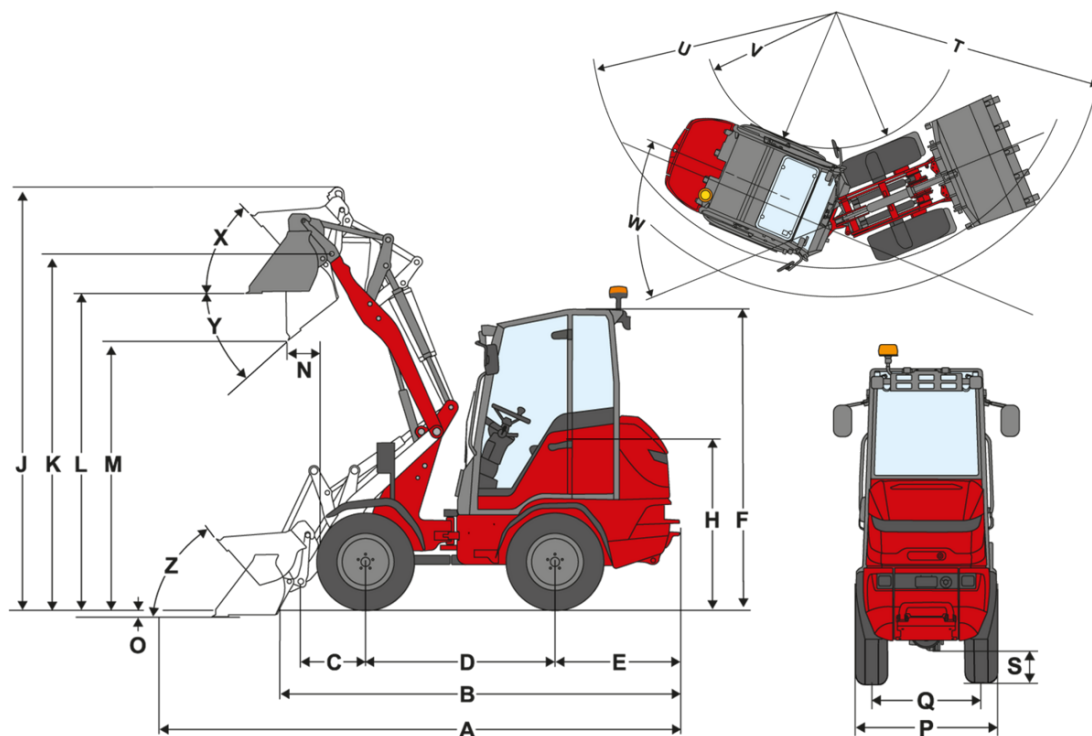
■ Steering

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

■ Other information

FSD = operator's canopy
eps = Easy Protection System (fold-down operator's canopy)
DPF = diesel particulate filter
DOC = diesel oxidation catalyst
Tipping load calculation pursuant to ISO 14397

Dimensions



		P-kinematics (standard)	P-kinematics (long)	PZ-kinematics
	Standard components	10.0/75 - 15.3 AS ET40	10.0/75 - 15.3 AS ET40	10.0/75 - 15.3 AS ET40
A	Total length	176.0 in	189.8 in	182.3 in
B	Total length without bucket	140.6 in	153.9 in	146.9 in
C	Bucket pivot point (to center of axle)	23.7 in	34.6 in	28.3 in
D	Wheel base	68.2 in	68.2 in	68.2 in
E	Rear overhang	48.4 in	48.4 in	48.4 in
F	Height with operator's canopy fixed	91.3 in	91.3 in	91.3 in
	Height with fold-down operator's canopy (eps)	93.5 in	93.5 in	93.5 in
	Height with fold-down operator's canopy, folded down (eps)	73.6 in	73.6 in	73.6 in
	Height with cab	92.1 in	92.1 in	92.1 in
H	Seat height	52.4 in	52.4 in	52.4 in
J	Total working height	144.1 in	154.7 in	150.8 in
K	Bucket pivot point (max. lift height)	118.3 in	126.0 in	126.0 in
L	Load-over height	105.5 in	113.4 in	113.4 in
M	Dumping height	83.5 in	91.7 in	93.7 in
N	Reach (at M)	9.3 in	19.3 in	15.7 in
O	Digging depth	3.1 in	5.1 in	5 in
P	Total width	44.3 in	44.3 in	44.3 in
Q	Track width	33.9 in	33.9 in	33.9 in
S	Ground clearance	9.8 in	9.8 in	9.8 in
T	Maximum radius	118.1 in	124.0 in	131.5 in
U	Radius on the outer edge	106.7 in	106.7 in	117.3 in
V	Inner radius	59.8 in	59.8 in	71.3 in
W	Articulation angle	45 °	45 °	40 °
X	Rollback angle at max. lift height	42 °	65 °	57 °
Y	Dumping angle	43 °	42 °	37 °
Z	Rollback angle on ground	51 °	56 °	50 °