



1160 Hoftrac

Technical Data

■ Standard engine data

Engine manufacturer	Perkins
Motor type	403 J-11
Cylinder	3
Drive output	18.4 kW
Drive output	24.7 HP
at max. rpm	2,800 rpm
Cylinder capacity	69.02 in ³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	-

■ Electrical system

Operating voltage	12 V
Battery	77 Ah
Alternator	40 A

■ Weights

Operating weight	4,211 - 4,960 lb
Thrust force (max.)	1,778 - 1,824 daN
Lift capacity (max.)	1,777 - 1,811 daN
Tipping load with bucket – machine straight, loading frame horizontal	2,359 - 3,175 lb
Tipping load with bucket – machine pivoted, loading frame horizontal	1,433 - 2,668 lb
Tipping load with bucket - machine straight, loading frame in lowest position	3,086 - 5,534 lb
Tipping load with bucket - machine pivoted, loading frame in lowest position	2,359 - 4,696 lb
Tipping load with pallet fork – machine straight, loading frame horizontal	1,609 - 2,138 lb
Tipping load with pallet fork – machine pivoted, loading frame horizontal	1,213 - 1,918 lb
Tipping load with pallet fork - machine straight, transport position	2,359 - 3,131 lb
Tipping load with pallet fork - machine pivoted, transport position	1,808 - 2,557 lb

■ Driver's cab

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

Tank capacity for fuel	5.28 US gal
Tank capacity for hydraulic oil	5.28 US gal

■ Drive system

Type of drive	Hydrostatic
drive unit	universal joint shaft
Speed levels	2
Axle	T80 (T94)
Travel speed Standard	0-12,43 mph
Operating brake	Hydrostatic drive system acting on all 4 wheels (wear-free)
Parking brake	Service and parking brake in the drive train
Differential lock	100% VA + HA (option)

■ Hydraulic system

Drive hydraulics working pressure (max.)	4,786 psi
Work hydraulics discharge volume (max.)	8.14 gpm
Work hydraulics working pressure (max.)	3,263 psi

■ Kinematics

Kinematics type	P
Lifting cylinder	2
Tipping cylinder	1
Quick change system	Mechanical (hydraulically activated)

■ Steering

Steering type	hydraulically activated articulated pendulum steering
Steering cylinder	1
Oscillating angle	± 12 degree

■ Noise characteristic values

Average sound power level LwA (operator's canopy)	99.0 dB(A)
Guaranteed sound power level LwA (operator's canopy)	101 dB(A)

Specified sound pressure level LpA 84 dB(A)
(operator's canopy)

DPF = diesel particulate filter
DOC = diesel oxidation catalyst
Tipping load calculation pursuant to ISO 14397

■ **Other information**

FSD = operator's canopy
eps = Easy Protection System (fold-down operator's canopy)

Dimensions



		P-kinematics (Standard)	P-kinematics (long)
	Standard components	10.0/75-15.3 AS ET10	10.0/75-15.3 AS ET10
A	Total length	156.8 in	164.6 in
B	Total length without bucket	118.3 in	126.2 in
C	Bucket pivot point (to center of axle)	20.0 in	27.8 in
D	Wheel base	57.8 in	57.8 in
E	Rear overhang	36.1 in	36.1 in
F	Height with operator's canopy fixed	88.1 in	88.1 in
	Height with fold-down operator's canopy (eps)	92.2 in	92.2 in
	Height with fold-down operator's canopy, folded down (eps)	75.9 in	75.9 in
	Height with cab	90.6 in	90.6 in
H	Seat height	50.1 in	50.1 in
J	Total working height	134.8 in	143.1 in
K	Bucket pivot point (max. lift height)	107.9 in	116.1 in
L	Load-over height	95.3 in	103.5 in
M	Dumping height	70.8 in	78.7 in
N	Reach (at M)	19.6 in	19.6 in
O	Digging depth	3.8 in	4.9 in
P	Total width	41.1 in	41.1 in
Q	Track width	30.7 in	30.7 in
S	Ground clearance	10.0 in	10.0 in
T	Maximum radius	102.0 in	106.5 in
U	Radius on the outer edge	84.2 in	84.2 in
V	Inner radius	40.0 in	40.0 in
W	Articulation angle	50 °	50 °
X	Rollback angle at max. lift height	50 °	47 °
Y	Dumping angle	40 °	40 °
Z	Rollback angle on ground	49 °	49 °