ML22X

SMALL ARTICULATED LOADER

ELECTRIC

OPERATING WEIGHT	
Open cab	4,850 lb. (2200 kg)
Enclosed cab	5,015 lb. (2275 kg)

OVERALL DIMENSIONS	
Overall height	90.6 in. (2300 mm)
Overall length: Without bucket	120.2 in. (3054 mm)
Machine width	42.5 in. (1080 mm)

LOADER PERFORMANCE SPECS	
Lifting height	96.5 in. (2450 mm)
Tipping load (ISO) – Straight	4,528 lb. (2054 kg)

SERVICE CAPACITIES	
Hydraulic system	6.6 gal. (25 L)

ELECTRIC POWERTRAIN	
Nominal battery voltage	48 Volts
Battery chemistry	Lithium Ion
Battery capacity	24.9 kWh
On-board charger: Charging time 0 - 100% Charging time 20 - 80%	240V 1 phase 8.7 hr 5.2 hr
Off-board charger: Charging time 0 - 100% Charging time 20 - 80%	480V 3 phase optional 1.7 hr 1.0 hr
Motor type	3 phase DC brushless (IP54)
Drive motor power	9.3 hp (7 kW)
Implement motor power	16 hp (12.0 kW)
Expected run time – dependent on application:	5 - 6 hr.

HYDRAULICS	
Control valve type	Open center
Pump type	Fixed gear
Working hydraulics: Total flow rate Operating pressure	 9.2 gpm (35 L/min) 2,500 psi (170 bar)
Auxiliary 1: Max. flow rate Pressure	 9.2 gpm (35 L/min) 2,500 psi (170 bar)
Auxiliary 2 — optional: Max. flow rate Pressure	 9.2 gpm (35 L/min) 2,500 psi (170 bar)

DRIVETRAIN	
Transmission type	Electric
Differential type	Limited slip
Parking brake: Type	Drum
Max.travel speed: Turtle Mid Rabbit	 3.7 mph (6 kph) 7.5 mph (12 kph) 11.2 mph (18 kph)

Standard Equipment

Operator Environment

- ROPS/FOPS safety roof
- Safety entry bar
- Key start
- Mechanical suspension vinyl seat
- Armrests
- Retractable seat belt
- Exterior mirrors

Electric Powertrain

- Lithium-ion battery
- 240V on-board charger
- Battery management system
- Battery DC fast-charge connector

Electrical

- 1 boom worklight
- 2 front cab work lights
- Anti-theft protection with access code

Drivetrain

- Electric 4-wheel drive
- FNR control on joystick
- Limited slip axles
- Drum brakes

Loader

- Standard lift path
- Mechanical self leveling
- Loader lift arm support strut
- SSL compatible attachment coupler, hydraulic powered
- Additional counterweights

Hydraulics

- 3-spool main control valve
- 2x dual acting auxiliary hydraulics
- Attachment case drain return
- Biodegradable hydraulic fluid

Other Standard Features

- Tow coupling
- Lifting eyes
- White-noise backup alarm
- Horn

Warranty

- Base warranty coverage: 2-Year/1,000-Hour Full Machine Limited Warranty
- Electric power train warranty coverage: 3-year/3,000 Hour Limited Warranty

Optional Equipment

Operator Environment

- Fold-able open ROPS
- Enclosed cab with heat
- Air suspension seat

Charging

- 480V 3 Phase DC fast charger

Electrical

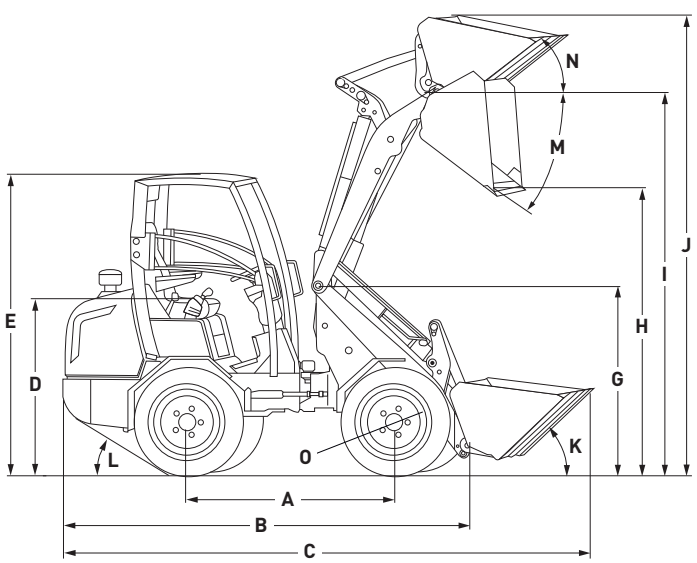
- 2 cab rear work lights
- 14-pin electrical auxiliary connection
- Rotating beacon light
- Strobe light

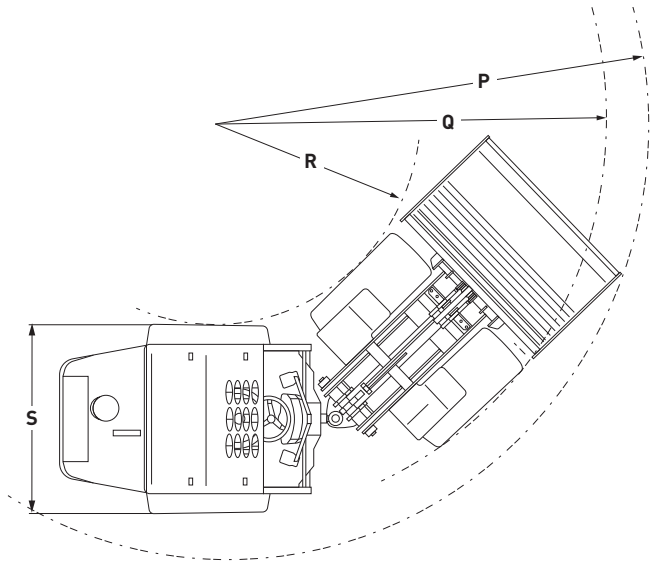
Hydraulics

- Hydraulic boom suspension (ride control)

Other

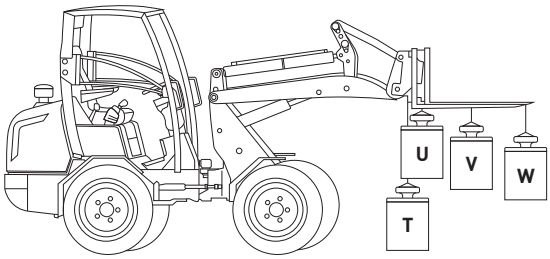
- English, Spanish, or French operator manual

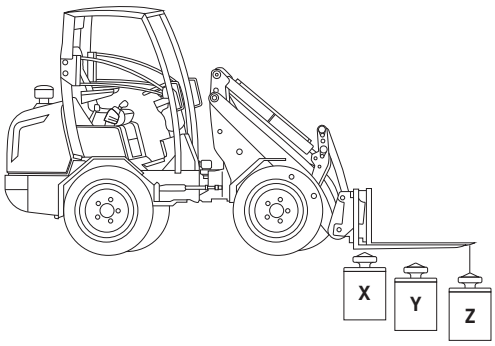




DIMENSIONS		
A	Wheelbase	62.2 in. (1580 mm)
B	Total length	120.2 in. (3054 mm)
C	Length with bucket	150.8 in. (3830 mm)
D	Seat height	49.4 in. (1256 mm)
E	Max. height with safety roof	90.6 in. (2300 mm)
F	Max. height with cabin	89.9 in. (2284 mm)
G	Height front frame	49.2 in. (1250 mm)
H	Max. dumping height	66.1 in. (1680 mm)
I	Lifting height	96.5 in. (2450 mm)
J	Height with bucket	119.7 in. (3040 mm)
K	Rollback angle on the ground	41°
L	Rollback angle at max. lift height	46°
M	Max. dumping angle	37°
N	Max. loading angle	29°
O	Outer size of tires	29.9 in. (760 mm)
P	Maximum radius external	42.5 in. (1080 mm)
Q	Turning radius on outer edge	104.3 in. (2650 mm)
R	Inner turning radius	92.2 in. (2342 mm)
S	Width on standard tires	48.4 in. (1230 mm)

TIPPING LOADS	
T	4,530 lb. (2054 kg)
U	3,480 lb. (1580 kg)
V	2,510 lb. (1140 kg)
W	1,870 lb. (850 kg)
X	5,900 lb. (2675 kg)
Y	3,510 lb. (1590 kg)
Z	2,470 lb. (1120 kg)





Line drawings are for illustrative purpose only and may not be exact representation of unit.

NEW HOLLAND CONSTRUCTION

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Learn more at **www.newholland.com**

Design, materials and/or specifications are subject to change without notice and without liability therefor. Specifications are applicable to units sold in Canada, the United States, its territories and possessions, and may vary outside these areas.

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THINK SAFETY

Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.

NHC7130238304 • 0826 • OTP • PRINTED IN U.S.A.