

# SMALL ARTICULATED LOADERS

ML12 | ML12T | ML15 | ML22X | ML23

ML27 | ML27T | ML35T | ML50T





# Compact, capable and ready for anything.

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It's no easy task managing a landscape crew, raising livestock, or laying endless feet of pipe as a utility contractor. At New Holland Construction, it's our job to keep your jobs on-track. The versatile lineup of New Holland Small Articulated Loader (SAL) sub-compact wheel loaders does just that. Plowing snow? Moving palletized material? Augering a hole? Stacking hay bales? No problem with an SAL. It's designed to help you and your operators tackle any challenge with greater efficiency, reliability, and confidence.

## Performance that excels in tight spots

New Holland SALs provide rugged engineering in a compact size to meet your ever-growing list of jobs. Featuring a front articulating frame, our range of sub-compact loaders offers operators the flexibility and clear sightlines to maneuver around the most confining jobsite environments, all while delivering the power to perform the toughest jobs with ease.





Model	Gross Horsepower hp (kW)	Operating Weight lbs (kg)	Fork Tipping Load (ISO) Straight* lbs (kg)	Height to Max Hinge Pin in (mm)	Machine Width in (mm)	Machine Height in (mm)
ML12	25 (18.4)	2425 (1100)	1435 (650)	85.4 (2170)	36.2 (920)	81.1 (2060)
ML12T	25 (18.4)	2646 (1200)	1665 (755)	110.2 (2800)	36.3 (920)	81.2 (2060)
ML15	26 (19.4)	3362 (1525)	2680 (1215)	81.4 (2067)	43.3 (1100)	87.8 (2230)
ML22X	Battery Capacity (24.9 kWh)	4850 (2200)	3095 (1405)	96.5 (2450)	48.4 (1230)	90.6 (2300)
ML23	26 (19.4)	5181 (2350)	2930 (1330)	111 (2825)	48.4 (1230)	90.6 (2300)
ML27	50 (37.0)	5732 (2600)	4400 (1995)	99.2 (2520)	60.0 (1523)	92.1 (2339)
ML27T	50 (37.0)	5732 (2600)	3750 (1702)	146 (3710)	60.0 (1523)	92.1 (2339)
ML35T	65 (48.6)	8818 (4000)	4795 (2175)	169 (4310)	52.8 (1340)	89.6 (2275)
ML50T	74 (55.4)	11,464 (5200)	5910 (2680)	171 (4350)	57.5 (1460)	99.3 (2523)

The articulating chassis design offers exceptional maneuverability with less ground disturbance (less surface skidding and scuffing) than a Skid Steer or Compact Track Loader.

Rear-mounted cab design provides safety and stability—just like New Holland Compact Wheel Loaders—and a clear view of travel and turning radius.



**Models featuring telescoping booms** let your reach farther for loading trucks, stacking pallets and moving material in areas that are difficult to access.



**An all-electric model—the ML22X**—is the loader to specify if you do a lot of work indoors or at night. This EV loader is easy to charge and produces zero emissions and virtually no noise.

## 9 models built to back you up on any job.



Take your pick. Select one of nine machines—including long-reaching telescoping loaders and an EV model—that best matches the daily demands of your jobs. New Holland Small Articulated Loaders put you in total control of jobsite productivity. They're slim enough to fit through an entry gate, tall enough to stack the largest pallets, and so versatile you'll wonder how you ever got along without one. Their design and flexibility help you build your business, giving you the opportunity to increase your earnings potential while reducing labor costs. An SAL does the hard work for you.

Hydrostatic transmissions provide maximum productivity with minimal input effort.

High Flow\* auxiliary hydraulics deliver extra muscle when needed.

\*available on applicable models



Standard chassis oscillation provides a smoother ride with better load retention across uneven terrains.



ELECTRIC ⚡ POWER



Quiet performance.

The ML22X provides hours of 100% Electric Power. You enjoy all the performance of a diesel engine, but in a compact, easy-to-charge, zero-emissions and virtually maintenance-free battery platform. Do more work at night, indoors, and even around livestock—quietly.

Electric Powertrain	
Nominal Battery Voltage	48V
Battery Capacity	27.9 kWh
On-Board Charger	240V NEMA 6-20
Charge Time 20-80%	5.2 hours
Charge time 0-100%	8.7 hours
Run Time	5-6 hours depending on application

Warranty	
Vehicle Base Warranty	2-year / 1000 hour
Electric Powertrain Warranty*	3-year / 3000 hour

\*includes all electric powertrain system components including battery, motors, inverters, etc.

Easy-to-service, fuel-efficient diesel engines\* provide adequate power for every job you take on.  
\*exception of ML22X

CAB and ROPS configurations are available on select models. Check out all the comfort solutions on Pages 6-7.



Plenty of tire options keeps you moving in the most unpredictable jobsite conditions.

# Comfort that lasts. Control that delivers.

Climb into a spacious open-station ROPS unit or cozy up in a heated cab. New Holland Small Articulated Loaders are built to keep you comfortable all day, every day, so you can work more productively and do it longer.

Standard LED work lights on cab and boom  
boost productivity in the darkest conditions.

360-degree visibility  
lets you see the job and  
everything around it.



A foldable ROPS is available on the ML15, ML27 and ML27T models.





Model	ROPS	Cab with Heat	Cab with A/C + Heat
ML12	●	—	—
ML12T	●	—	—
ML15	●	○	—
ML22X	●	○	—
ML23	●	○	—
ML27	●	○	—
ML27T	●	○	—
ML35T	●	—	○
ML50T	●	—	○

● Standard    ○ Optional    — Not Applicable



Universal operator's station layout features easy-to-use controls, comfortable ergonomics (with tilt steering column) and a simple design.



Dual-side opening doors for your safety and convenience.



Multi-function ergonomic joystick and a premium adjustable seat maximize comfort on the ML27, ML27T, ML35T and ML50T models.



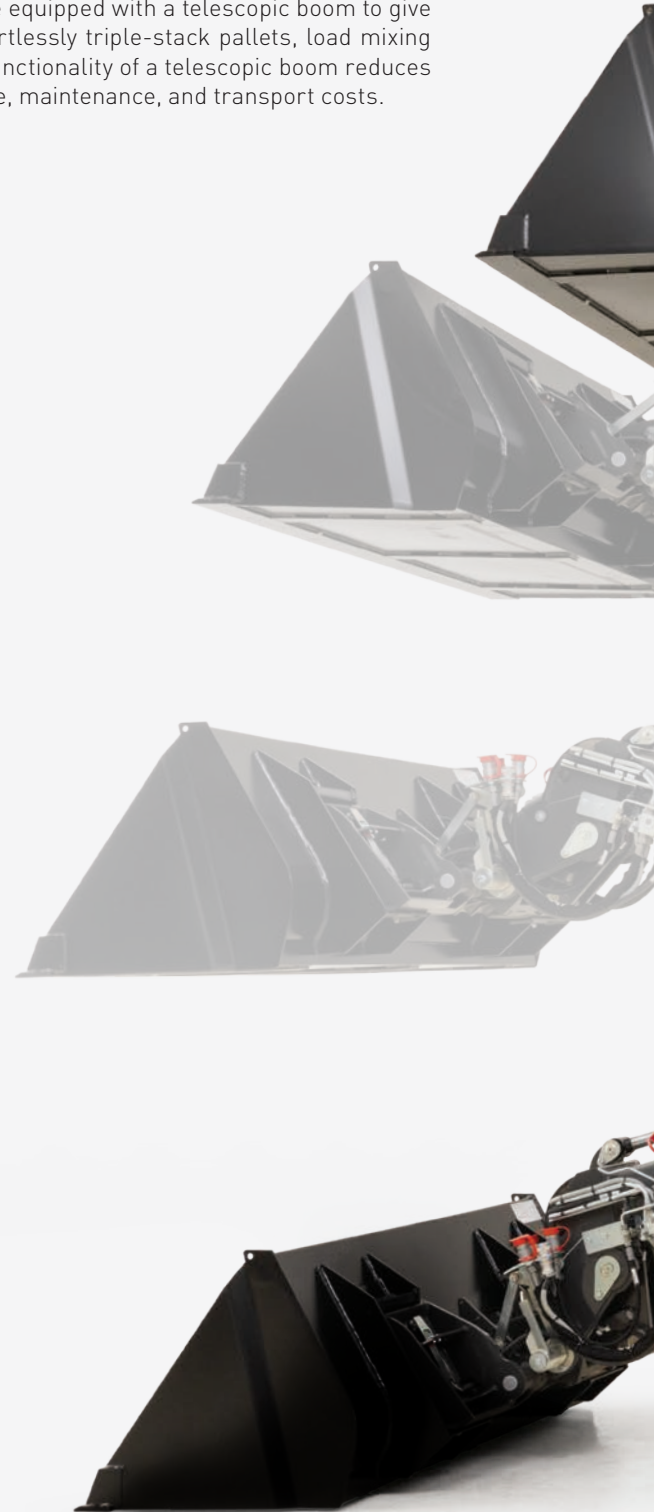
# Stack higher, reach farther with one machine.

New Holland ML12T, ML27T, ML35T and ML50T Small Articulated Loaders are equipped with a telescopic boom to give you maximum reach without added machine width. That means you can effortlessly triple-stack pallets, load mixing wagons, or reach and dump deep into a utility truck. What's more, the multi-functionality of a telescopic boom reduces the need for a fleet of different machines, helping contractors save on fleet size, maintenance, and transport costs.



## Compact maneuverability, big-machine capability

Despite its compact size, an SAL with a telescopic boom can perform tasks typically reserved for larger wheel loaders, giving operators the power of a bigger machine but in a compact size for superior maneuverability in tight spots.





Maintain the power of your attachment with auxiliary hydraulics even at the machines maximum hinge-pin-height.



There's an attachment for any job that's thrown at you plus plenty of auxiliary hydraulic power for the job at hand. See all the available attachments on Pages 10-11.





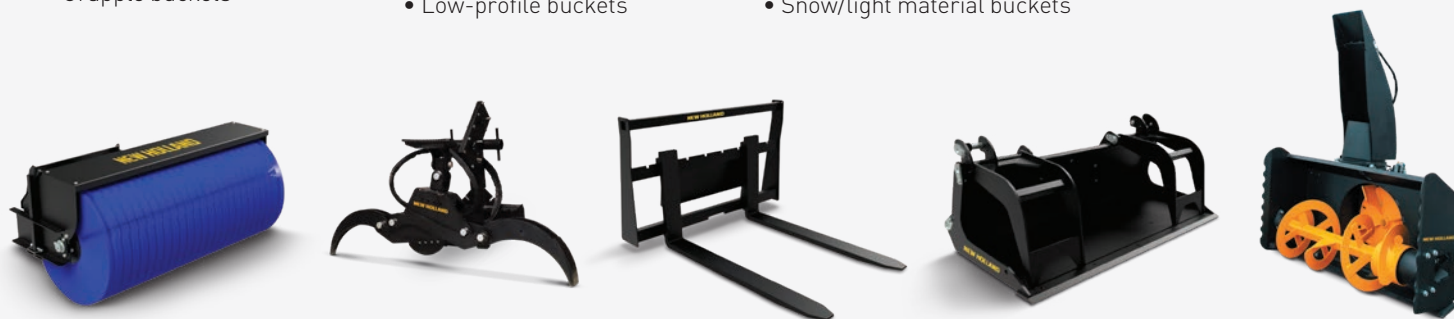
# From start to finish, we've got the tools you need.

Choose from more than 70 New Holland attachments that are compatible with the Small Articulated Loaders. The Common Industry Interface (CII) adapter is used on the ML12, ML12T and ML15 models; the standard Skid Steer Loader (SSL) adapter is used on the ML22X to ML50T. All models come standard with auxiliary hydraulics, a case drain and front-attachment electrical adapter to maximize your productivity.

## Ready to get to work

These Small Articulated Loaders can be equipped with all the attachments and tools you need to bid on, win and power through any project. Select models are available with either a standard Skid Steer (SSL) mounting plate or Common Industry Interface / Mini (CII) mounting plate.

- 4-in-1 buckets
- Angle brooms
- Brush mower
- Dozer blades
- Grader box with Site Control Precision Solutions
- Grapple buckets
- Grapple rakes
- Grapple rod buckets
- Hydraulic hammers
- Landplaners
- Landscape rakes
- Light material blades
- Low-profile buckets
- Multi-purpose grapples
- Pallet forks
- Pick-up brooms
- Rock buckets
- Skid hitches
- Snow blower
- Snow/light material buckets
- Soil conditioners
- Stump grinders
- Tillers
- Tree spades
- Trenchers
- V-plows



Model	Common Industry Interface - Mini (CII)	Standard Skid Steer (SSL)
ML12	●	—
ML12T	●	—
ML15	●	—
ML22X	—	●
ML23	—	●
ML27	—	●
ML27T	—	●
ML35T	—	●
ML50T	—	●

● Standard — Not Applicable







Model	Standard Auxiliary Hydraulic Output gpm (L/min)	1 Aux	2 Aux	Continuous Flow	Optional High Flow gpm (L/min)	Case Drain
ML12	7.4 (28)	●	○	○	—	●
ML12T	7.4 (28)	●	○	○	—	●
ML15	11.1 (42)	●	○	○	—	●
ML22X	9.2 (35)	●	○	○	—	●
ML23	8.5 (32)	●	○	○	—	●
ML27	13.5 (51)	●	○	○	21 (79)	●
ML27T	13.5 (51)	●	○	○	21 (79)	●
ML35T	18.5 (70)	●	○	○	—	●
ML50T	20.6 (78)	●	○	○	35.7 (135)	●

● Standard    ○ Optional    — Not Applicable





# Simple service, so you can stay more productive.

New Holland Small Articulated Loaders are designed for ease of serviceability to minimize downtime and keep your machine running smoothly. Gone are the days of frustrating and complicated machine maintenance. These loaders are easy to access and service, making it easier for you to get back to work.



Low machine service heights on the ML12, ML12T and ML15 models optimize ground-line serviceability without the need to climb or reach. No Diesel Exhaust Fluid (DEF) or Diesel Particulate Filter (DPF) on these models make easy work of daily service checks.

Ground-level access grease points make quick work of daily greasing and pre-operational inspections.





### Convenient rear engine compartment

Durable diesel engines on ML15 to ML50T Small Articulated Loaders (excluding the ML22X Electric Power) provide added torque and horsepower for the most challenging tasks. These models also feature a wide-opening rear engine compartment for convenient access to key service points, including filters, fluids, and battery components. Daily maintenance checks and routine servicing can be completed quickly and efficiently thanks to clearly labeled components and a well-organized layout.





SPECIFICATIONS		ML12	ML12T	ML15	ML22X	ML23	ML27	ML27T	ML35T	ML50T
Engine		D902	D902	D1105	—	D1803 CR	D1803 CR	D1803 CR	V2403 CR	V3307 CR
Displacement/ Cylinders	in³ (L)	54.8 [0.898]	54.8 [0.898]	68.5 [1.123]	24.9 kWh (battery total usable capacity)	91.4 [1.498]	111.4 [1.826]	111.4 [1.826]	148.5 [2.434]	203.3 [3.331]
Emissions certification		Tier 4 Final/ Stage V	Tier 4 Final/ Stage V	Tier 4 Final/ Stage V	Zero emissions	Tier 4 Final/ Stage V	Tier 4 Final/ Stage V	Tier 4 Final/ Stage V	Tier 4 Final/ Stage V	Tier 4 Final/ Stage V
Gross horsepower	hp (kW)	25 [18.5]	25 [18.5]	25 [18.5]	Traction 9 (6.5) Implement 16 [12]	25 [18.5]	50 [37.0]	50 [37.0]	65 [48.6]	74 [55.4]
Peak torque	lb ft (Nm)	41.4 [56.1]	41.4 [56.1]	41.4 [56.1]	—	41.4 [56.1]	111.0 [150.4]	111.0 [150.4]	146.4 [198.5]	195.4 [265.0]
Fork tipping load (ISO) straight*	lb (kg)	1435 [650]	1665 [755]	2680 [1215]	3095 [1405]	2930 [1330]	4400 [1995]	3750 [1702]	4795 [2175]	5910 [2680]
Max travel speed	mph (kph)	9.3 [15]	9.3 [15]	11.8 [19]	11.2 [18]	12.4 [20]	18.6 [30]	18.6 [30]	18.6 [30]	21.6 [34.7]
Operating weight (open cab)	lb (kg)	2425 [1100]	2646 [1200]	3362 [1525]	4850 [2200]	5181 [2350]	5732 [2600]	5940 [2694]	8818 [4000]	11,464 [5200]
Auxiliary 1: max flow rate	gpm (L/min)	7.4 [28]	7.4 [28]	11.1 [42]	9.2 [35]	8.5 [32]	13.5 [51]	13.5 [51]	18.5 [70]	20.6 [78]

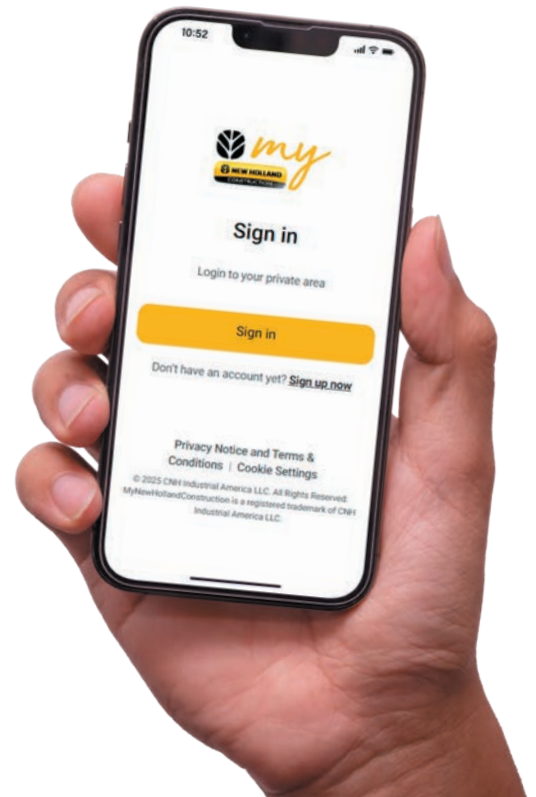
DIMENSIONS		ML12	ML12T	ML15	ML22X	ML23	ML27	ML27T	ML35T	ML50T
Hinge pin height	in (mm)	85.4 [2170]	110.2 [2800]	81.4 [2800]	96.5 [2450]	111 [2825]	99.2 [2520]	146 [3710]	169 [4310]	171 [4350]
Dump height (fully raised @ 45° dump)	in (mm)	54.3 [1380]	83.4 [2120]	53.5 [1360]	66.1 [1680]	96.4 [2450]	68.9 [1750]	114.9 [2920]	122 [3100]	133 [3400]
Height to top of ROPS**	in (mm)	81.4 [2060]	81.4 [2060]	87.7 [2230]	90.6 [2300]	90.5 [2300]	92.1 [2340]	92.5 [2350]	91.7 [2330]	100.3 [2550]
Overall width** (without bucket)	in (mm)	37.7 [960]	37.7 [960]	43.3 [1100]	48.4 [1230]	49.3 [1251]	53.5 [1360]	53.5 [1360]	57.8 [1470]	61.4 [1560]
Overall length (without bucket)	in (mm)	87.0 [2211]	87.0 [2211]	107.0 [2718]	150.8 [3830]	123.8 [3145]	136.5 [3468]	145 [3683]	160.1 [4067]	209.1 [5310]
Wheelbase	in (mm)	47.4 [1205]	49.1 [1247]	55.9 [1419]	62.2 [1580]	62.2 [1580]	66.9 [1700]	66.9 [1700]	77.6 [1972]	80.5 [2044]

\*Measured at Mid Fork    \*\*Equipped with smallest available tire option



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Get real-time telematics data of your New Holland Construction machines to the phone-based application and website. Monitor your equipment utilization, operator habits, remote service diagnostics, fuel usage and even geolocation with the click of a button.



SPECIFICATIONS	ML12	ML12T	ML15	ML22X	ML23	ML27	ML27T	ML35T	ML50T
ROPS/FOPS safety roof	●	●	●	●	●	●	●	●	●
Mechanical suspension vinyl seat	—	—	—	—	●	●	●	—	—
Enclosed cab with heat	—	—	●	●	●	●	●	—	—
Air suspension seat	—	—	—	●	●	●	●	—	—
12 volt system	●	●	●	—	●	●	●	●	●
1 boom worklight	—	—	—	●	—	●	●	●	●
2 cab rear work lights	○	○	○	○	○	○	○	○	○
Rotating beacon light	○	○	○	○	○	○	○	○	○
2 front cab work lights	●	●	●	●	●	●	●	●	●
Glow plug starting aid	●	●	●	—	●	●	●	●	●
Engine block heater	●	●	●	—	●	●	●	●	●
Locking fuel cap	●	●	●	—	●	●	●	●	●
Cyclone air filter	—	—	—	—	●	●	●	●	●
1x dual acting auxiliary hydraulics	●	●	●	—	●	●	●	●	●
2x dual acting auxiliary hydraulics	○	○	○	—	○	○	○	○	○
Auxiliary hydraulic hold function	○	○	○	—	○	○	○	○	○
High flow auxiliary hydraulics	—	—	—	—	—	—	○	—	—
Hydraulic boom suspension (ride control)	○	○	○	○	○	○	○	○	○
Standard lift path	●	—	●	—	●	●	●	—	—
Telescopic boom	—	●	—	—	—	—	●	●	●
Loader lift arm support strut	●	●	●	—	●	—	●	●	●
SSL compatible attachment coupler, hydraulic powered	—	—	—	—	—	●	●	●	●
CII mechanical attachment coupler	●	●	●	—	—	—	—	—	—
Additional counterweights	●	●	●	—	●	●	●	●	●

● Standard    ○ Optional    — Not Applicable



# World-class products demand world-class dealers.

The purchase of a New Holland machine is just the beginning of our relationship together. Consider your experienced New Holland Construction equipment dealer as your local partner in productivity. Assistance in selecting the right model for your operation and developing an affordable leasing or financing plan through New Holland's financing division, CNH Capital, are just a few advantages your local dealer can provide.

Your New Holland dealer's full-service capabilities bring you responsive support with genuine New Holland parts and all-makes coverage. More importantly, we are there wherever and whenever you need us with our fully-equipped service vehicles. From customized maintenance programs to professional operator and technical training, our factory-trained service and parts experts are there to assist you with any of your equipment support needs.

Your business deserves nothing less than world-class products, supported by a world-class business partner. That's your local New Holland Construction equipment dealer — your partner in productivity.



## SHOP LOCAL INVENTORY.

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the equipment you need  
is a tap away.



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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. This is a one-person machine. Never allow riders in the cab, outside the machine, or in/on any bucket or attachment.

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