

# New Holland LM5000 Series Telehandlers 120 hp



LM5040 LM5060 LM5080

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# More productivity, power, visibility and comfort

## LM5000 telehandler design results in unmatched performance.

New Holland LM5000 Series telehandlers combine outstanding operator comfort and efficiency with raw power and lifting performance so you can move massive amounts of material fast. It's the most effective way to load, stack, scoop and dig.

LM5000 Series telehandlers stand apart from other telehandlers in so many ways. Here are just a few:

### Simplified side engine design

Unlike the engine configurations used on most ag telehandlers,

LM5000 engines are mounted lengthwise, resulting in a variety of benefits for you. The driveline is simplified since a 90-degree power transfer is not needed. This design also permits greater cooling capacity and unmatched access for routine maintenance.





### Roomier cab with 360-degree visibility

The side-mount engine design also allows for a larger cab. The LM5000 cab is the most spacious cab in this power class. Since the engine is mounted low on the right side, you also get outstanding visibility that exceeds what you'll find on other machines.

### Better stability and lift capacity

The lower center of gravity and long wheel base of LM5000 telehandlers improve their stability when working on uneven ground. The result: improved lift capacity, a smoother ride and a more confident operator.

### Smallest turning circle in its class

You can't beat an LM5000 telehandler for maneuverability—an advantage that makes you even more productive, especially when working in tight areas.

### Improved reliability

LM5000 Series telehandlers feature rugged construction and the increased durability needed to handle tough ag and utility applications.

### Large selection of attachments

You can accomplish numerous chores using a wide variety of attachments, including an assortment of buckets, bale spikes, bale fork, bale grapple, silage facer, pallet forks, truss boom and more.



### Reach places other machines can't

New Holland LM5000 Series telehandlers are the most effective way to scoop, stack, load and dig. A lift capacity up to 8,800 pounds and a lift height up to 31.5 feet allow you to do things that skid steer loaders, tractors and fork lifts can't:

- stack large bales six to eight levels high
- scoop a bucket of silage from the very top of a bunker silo
- extend a load of feed over a corral to a feeder that's over 12 feet inside the fence
- completely load and unload a semi trailer of large square bales from one side

Model	Max. Lift Height, ft.	Max. Forward Reach, ft.	Max. Lift Capacity, lbs.	Lift Capacity to Full Height, lbs.
LM5040	20.0	10.5	7700	7700
LM5060	23.0	13.8	8800	6600
LM5080	31.5	23.0	7250	4400

# Superior visibility and comfort

## LM5000 cab design increases operator productivity.

The modern LM5000 Series cab design not only keeps you comfortable, its unmatched visibility and efficiency make jobs go more smoothly.

### Smallest blind spot

Operators will appreciate the excellent all-around visibility due to new design features, starting with 40 percent

more glass than previous models. A relatively high seating position along with the continuous windshield and roof panel allow for a completely

*The roomy cab has grouped controls, a seat-mounted joystick and standard high-capacity heating and air conditioning for maximum operator comfort.*



unobstructed view forward. The low boom pivot and sloped engine hood give you unrivaled sight lines to the right. To the left, the full glass door provides a clear view.



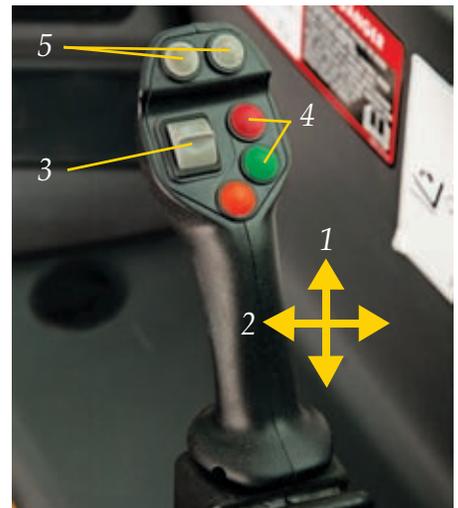
### Larger, more comfortable cab

The quiet, rounded LM5000 cab is very spacious. In fact, it's the roomiest cab in this power class. In addition to expansive visibility, this modern cab makes you comfortable with its deluxe cloth suspension seat and ergonomically designed controls. High air-flow air conditioning and heater are standard equipment to keep the temperature comfortable while keeping dust out. The cab is mounted on isolation blocks, which—when combined with the three-point engine and transmission vibration damping system—makes for a quiet and vibration-free working environment.

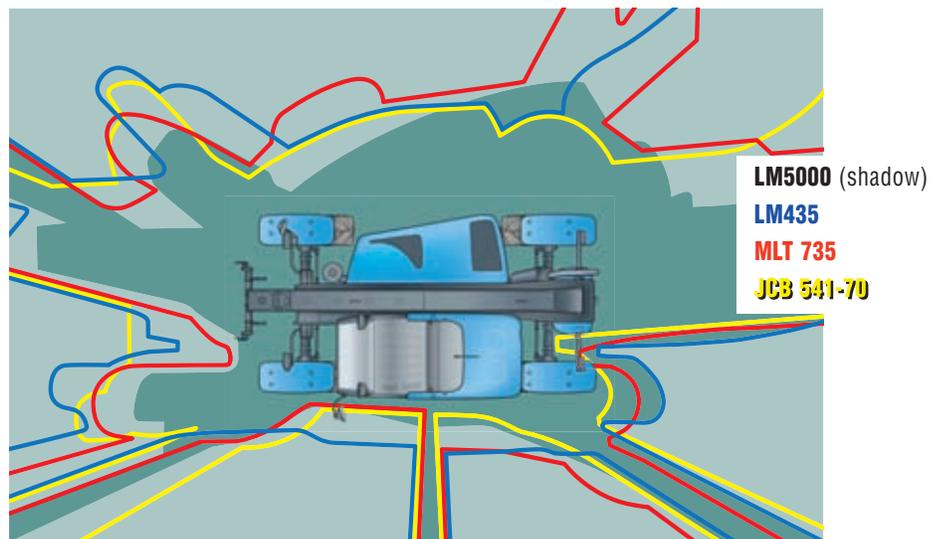
### Easy-to-use controls

All models are fitted with a light and easy-to-operate multi-function joystick that is integrated into the armrest. The controls and armrest move with you when you adjust the seat. You comfortably control the main raise/lower and tilt/crowd functions and use your thumb to control the proportional extend and retract control.

Gauges are located to the side, where they are easy to read and allow for improved view to attachments.



1. Boom lift and lower
2. Attachment crowd and dump
3. Boom in and out
4. Boom Hydraulic circuit on/off
5. 5th circuit on/off (optional)



# Proven power and reliability

## Reliable components and superior design

Product quality and dependability are built into LM5000 Series telehandlers. The high-performance engines have proven themselves in tough ag applications in successful New Holland tractors. The hydraulic system is built around a reduced pressure, high flow concept that reduces operating temperatures. The strong boom and corner-to-corner wheelbase chassis have been

subjected to pre-production stress analysis and extensive operational and end-user testing.

### Proven 120-horsepower engine

All three LM5000 telehandler models feature the turbocharged, intercooled, New Holland 4.5-liter NEF engine that is Tier III emissions certified. Cooling capacity has been increased significantly. The engine

hood vent system draws in cool air and efficiently expels hot air to maintain cooling capacity from dawn to dusk. The oversized radiator is located at the rear of the engine area—unlike most competitive models—where it will stay cleaner in dirty operating conditions. An automatic reversing fan is available for operation in extremely dirty conditions.

### Biodiesel approved

LM5000 Series engines are approved for use with biodiesel blends up to B100, allowing you to use cleaner-burning, farmer-grown fuel alternatives.



## Cool running hydraulics

New Holland has completely redesigned the hydraulic system to increase power and reduce operating temperatures. Larger rams are fitted to exploit the higher oil flow, with more power available to lift and extend the telescopic boom. All models include load sensing and flow, sharing proportional functionality from a single joystick.

## Strong boom design

The new heavy-duty boom design includes a welded square cross-section for optimum boom strength and an increased boom overlap compared to previous models. In addition, wear pads are located at corners for maximum support and reinforcements have been strategically placed to increase durability.

## Powershift transmission

You enjoy smooth control and clutch-free, on-the-go shifting with the New Holland 4 x 3 powershift transmission. Simply twist the transmission control lever to make gear changes on the go.

## Plenty of traction

Full-time four-wheel drive, four large tires and a limited slip differential mean you can work in muddy or slippery conditions and still have plenty of traction to push, dig, scrape and level.



*Two premium tire choices are available to match your operating conditions: Michelin XMCL R-4 460/70 x 24 ag/utility radials for the best traction in general farm work due to its self-cleaning characteristics or Michelin XTLA L-2 15.5R x 25 industrial radials, which are ideally suited for heavy-duty applications on hard surfaces like asphalt, concrete or gravel.*



*New Holland uses an industry-exclusive, patented transfer gearbox to deliver straight power flow without chains or belts.*

## Three steering modes

You can achieve the maneuverability you need for each job with the choice of three steering modes:



- **Front-wheel steer** gives you maximum control at transport speeds and for attachment hook-up.



- **Four-wheel "circle" steer** provides a tight turning radius for optimum



maneuverability in confined spaces.

- **Crab steer** creates a sideways movement that works well for stacking pallets, working beside



*Reliable 120-horsepower engines respond with 32 percent torque rise and 385 ft. lbs. of torque @ 1400 rpm.*

# One productive machine for so many jobs

## A wide offering of attachments makes LM5000 telehandlers supremely versatile.

Turned loose with the right attachments, LM5000 telehandlers take care of all sorts of big jobs quickly. In addition to the long list of available attachments, an adapter plate is available to mount skid steer LoadStar attachments. Boom auxiliary hydraulics are standard equipment, making your LM5000 telehandler even more versatile as a multi-tool carrier. So, the question of, "What would I do with a LM5000 telehandler?" very quickly changes to "What would I do without one?"

*Secondary boom hydraulics turn your telehandler into a multi-tool carrier. An optional continuous flow feature allows the auxiliary circuit to operate attachments with hydraulic motors, like silage defacers, rotary brooms and augers.*





### Buckets

- 1.75 yd.<sup>3</sup> x 96 in.
- 2.25 yd.<sup>3</sup> x 96 in.
- 3.25 yd.<sup>3</sup> x 96 in.
- 2.15 yd.<sup>3</sup> x 96 in. w/grapple

### Pallet forks

- 48-inch pallet forks (set of 2)  
4 in. wide x 1.75 in. thick
- 60-inch pallet forks (set of 2)  
4 in. wide x 2 in. thick

### Bale handling

- Dual round bale spike
- Large square bale grab
- Large square bale fork

**Truss boom** – 12 foot

**Angle broom** – 108 inches wide with 32-inch diameter broom



Frame leveling is an exclusive feature of the LM5080. A toggle switch on the control panel allows you to adjust leveling cylinders up to 8 degrees to either side. A frame level indicator on the dash helps you to level the load.

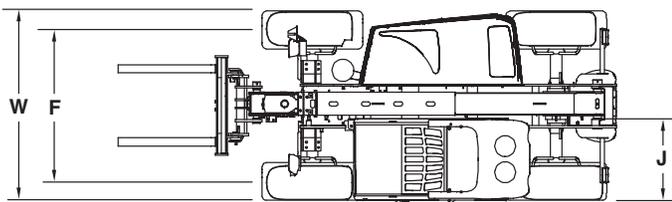
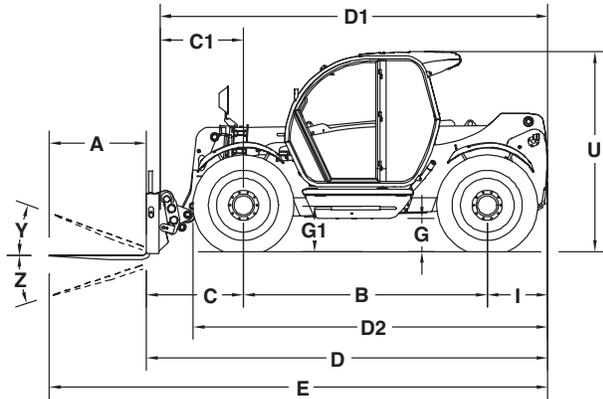


Self-leveling of attachments is standard on every LM5000 model. A hydraulic compensation cylinder automatically maintains a constant front-to-back "roll" position of load or attachment.

# Specifications

MODEL	LM5040	LM5060	LM5080
<b>PERFORMANCE</b>			
Max. Lift Height, ft. (m)	20.0 (6.1)	23.0 (7.0)	31.5 (9.6)
Max. Lift Capacity, lbs. (kg)	7700 (3500)	8800 (4000)	7250 (3300)
Lift Capacity to Full Height, lbs. (kg)	7700 (3500)	6600 (3000)	4400 (2000)
<b>ENGINE</b>			
Model	FPT NEF Tier III-F4BE0484F		
Engine Power, hp (kW)	120 (88)		
Displacement, cu. in. (L)	275 (4.5)		
Aspiration	Turbocharged/Intercooled		
<b>DRIVELINE</b>			
Powershift Transmission, F / R	4/3		
Max. speeds in gears: 1 – mph (kph)	3.1 (5.0)		
2 – mph (kph)	6.6 (10.7)		
3 – mph (kph)	13.2 (21.3)		
4 – mph (kph)	23.0 (37.2)		
Service Brakes	Hydraulic Wet Disc, 4 discs per wheel		
Parking Brake	Mechanical Driveline Disc		
Selectable 3-mode Steering	Front wheel, Crab, 4-wheel		
<b>HYDRAULICS</b>			
Cab Models	Load Sensing Piston Pump, 37 GPM		
Pressure, PSI (Bar)	3550 (245)		
Auxiliary Boom Hydraulic Circuit	Standard		
<b>TIRES AVAILABLE</b>			
	460/70 R24 15.5R25	460/70 R24 15.5R25	460/70 R24 15.5R25
<b>DIMENSIONS w/17.5 TIRES</b>			
Length, no attachment, ft. (m)	15.7 (4.79)	16.2 (4.95)	16.7 (5.08)
Overall Width, in. (mm)	95 (2400)		
Overall Height, in. (mm)	97 (2470)		
Ground Clearance, in. (mm)	16.5 (420)		
Wheelbase, in. (mm)	117.7 (2990)	117.7 (2990)	118.5 (3010)
Turn Radius over Tires, ft. (m)	11.3 (3.4)		
Cab Width, Inside, in. (mm)	39 (985)		
Weight, approx., lbs. (kg)	15,875 (7200)	16,300 (7400)	17,500 (7950)

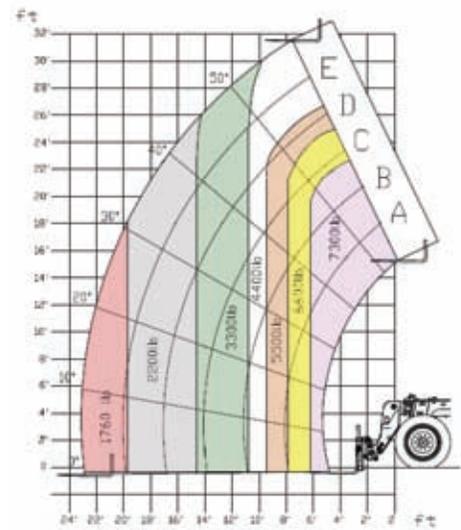
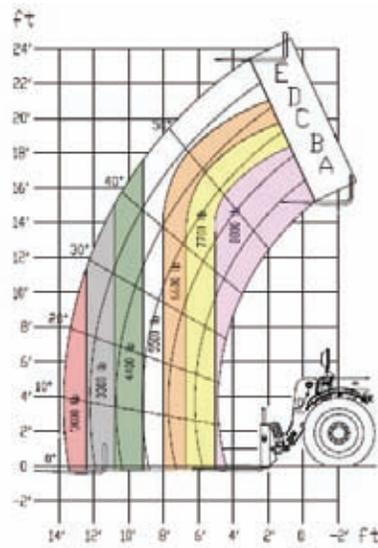
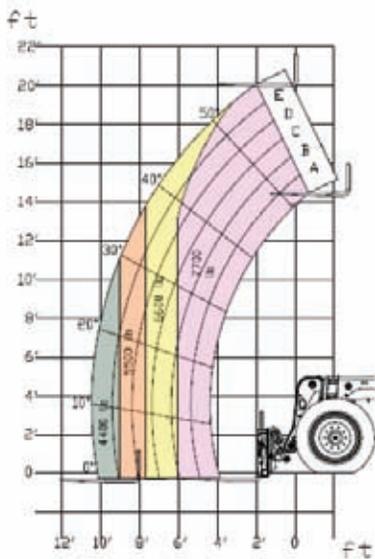




Models	LM5040	LM5060	LM5080
A Pallet fork Length, in.	47.2	47.2	47.2
B Wheelbase, ft.	9.9	9.9	9.9
C Axle to fork heel, in.	47.3	53.7	58.9
C1 Axle to carrier, in.	40.6	47.1	52.2
D Length fork heel to counterweight, ft.	16.3	16.8	17.2
D1 Length carrier to counterweight, ft.	15.7	16.2	16.7
D2 Length front tire to counterweight, ft.	14.4	14.4	14.4
E Overall length, ft.	20.2	20.7	21.2
F Wheel track, in.	73.7	73.7	73.7
G Ground clearance, in.	16.5	16.5	16.5
G1 Clearance under step, in.	21.6	21.6	21.6
I Length rear axle to counterweight, ft.	29.4	29.4	29.4
J Cab width, in.	39.5	39.5	39.5
U Cab height, in.	97.3	97.3	97.3
W Overall width (outside tires), mm	92.1	92.1	92.1
Y Attachment rollback angle, degree	26	26	26
Z Attachment dump angle, degree	132	132	132
Total rotation angle (Y + Z), degree	158	158	158

Measured with 460/70R24 tires.

## Lift capacity and reach



### LM5040

- 20-ft. lift height
- 7700-lb. lift capacity
- 7700-lb. lift capacity at full lift height
- 10.5-ft. maximum forward reach

### LM5060

- 23-ft. lift height
- 8800-lb. lift capacity
- 5500-lb. lift capacity at full lift height
- 13.8-ft. maximum forward reach

### LM5080

- 31.5-ft. lift height
- 7250-lb. lift capacity
- 4400-lb. lift capacity at full lift height
- 23-ft. maximum forward reach

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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.

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