



NEW HOLLAND
CONSTRUCTION

SKID STEER LOADERS

LS185.B

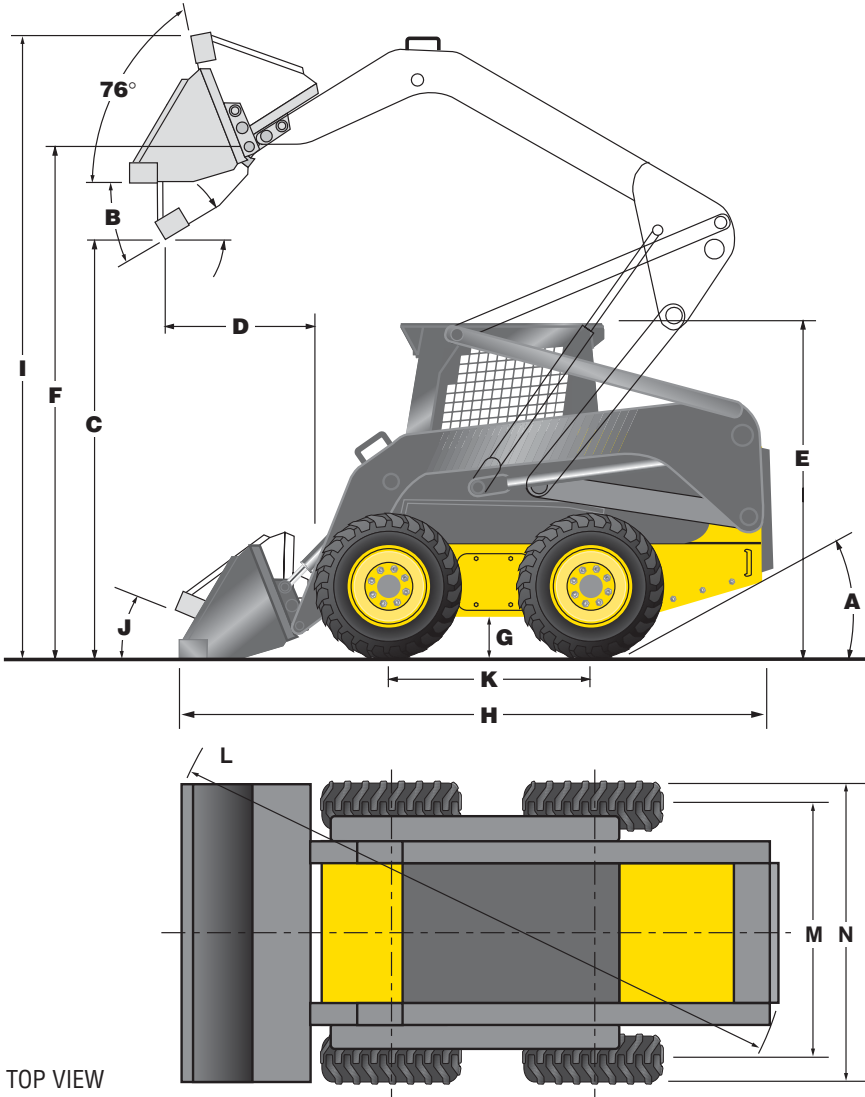
Specifications



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LS185.B Specifications

LS185.B DIMENSIONS



- A. Angle of departure..... 28.4°
- B. Dump angle (maximum)45°
- C. Dump height (SAE)100" (255 cm)
- D. Dump reach
@ maximum height (SAE)32.5" (83 cm)
- E. Height.....77" (196 cm)
- F. Height to hinge pin.....124.6" (316 cm)
- G. Ground clearance.....8" (20 cm)
- H. Length.....139" (352 cm)
- I. Operating height (maximum) ..151" (384 cm)
- J. Rollback angle (at carry position)37°
- K. Wheelbase.....48" (122 cm)
- L. Turning radius:
Clearance Circle.....151.8" (385 cm)
Front.....81" (206 cm)
Rear.....70" (178 cm)
- M. Wheel tread
w/ 12.00 x 16.5 tires.....58.5" (149 cm)
- N. Width
w/ 12.00 x 16.5 tires.....71.25" (181 cm)

* Equipped with 72" 17.0 ft³ dirt and foundry bucket and 12.00 x 16.5 tires.

BUCKETS

Type	Width	.SAE Heaped cap	.SAE Struck cap	.Weight
Dirt/Foundry	.66" (167 cm)	15.2 ft ³ (.41 m ³)	11.6 ft ³ (.33 m ³)	370 lb (168 kg)
Dirt/Foundry	.72" (183 cm)	16.7 ft ³ (.47 m ³)	12.7 ft ³ (.36 m ³)	390 lb (177 kg)
Dirt/Foundry	.78" (198 cm)	25.8 ft ³ (.73 m ³)	20.7 ft ³ (.59 m ³)	466 lb (211 kg)
Low profile (extended)	.66" (167 cm)	15.5 ft ³ (.43 m ³)	11.2 ft ³ (.30 m ³)	397 lb (180 kg)
Low profile (extended)	.72" (183 cm)	17.1 ft ³ (.48 m ³)	12.2 ft ³ (.34 m ³)	423 lb (192 kg)
Low profile (extended)	.78" (198 cm)	17.0 ft ³ (.48 m ³)	12.3 ft ³ (.34 m ³)	449 lb (204 kg)
Low profile (extended)	.84" (213 cm)	17.0 ft ³ (.48 m ³)	12.4 ft ³ (.35 m ³)	475 lb (215 kg)
Utility	.72" (183 cm)	23.7 ft ³ (.65 m ³)	19.0 ft ³ (.54 m ³)	434 lb (197 kg)
Utility	.84" (213 cm)	27.9 ft ³ (.79 m ³)	22.3 ft ³ (.63 m ³)	497 lb (225 kg)
Manure/fertilizer	.72" (183 cm)	19.1 ft ³ (.52 m ³)	15.5 ft ³ (.44 m ³)	465 lb (211 kg)
Manure/fertilizer	.84" (213 cm)	22.5 ft ³ (.64 m ³)	18.2 ft ³ (.52 m ³)	540 lb (245 kg)

CAPACITIES

Chain cases	2.7 gal (10.2 L)
Cooling system	4.5 gal (17 L)
Engine crankcase (w/filter).....	2.13 gal (8.0 L)
Fuel tank.....	18 gal (68.1 L)
Hydraulic oil system.....	15.0 gal (56.8 L)

PERFORMANCE**ANGLES:**

Maximum rollback @ ground.....	37°
Maximum bucket dump angle at full height.....	45°

BREAKOUT FORCE:

SAE Bucket breakout force.....	6,034 lb (2737 kg)
SAE Boom breakout force.....	4,194 lb (1902 kg)

CYCLE TIMES:

Raising time (with SAE operating load)	3.0 sec
Dumping time (with SAE operating load).....	2.2 sec
Lowering time (empty).....	2.9 sec
Retract time (empty).....	1.7 sec
Total boom-cycle time.....	9.8 sec

DUMP REACH:

SAE 45.....	31.5" (80 cm)
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GROUND SPEED MAX

Low range.....	6.9 mph (11.1 kph)
High range.....	11.3 mph (18.1 kph)

OPERATING LOADS:

SAE.....	2,500 lb (1134 kg)
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OPERATING WEIGHT:

SAE*	7,100 lb (3220 kg)
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TIPPING LOAD:

Without weights per SAE J-732.....	5,000 lb (2268 kg)
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* Base unit plus full fuel tank, 175 lb (79 kg) operator, 72" dirt and foundry bucket, 12.00 x 16.5 tires.

POWER TRAIN

Axle diameter.....	2.44" (61.9 cm)
Chain size.....	100 HV
Final drive.....	gear/chain drive

HYDROSTATIC MOTORS:

Radial piston motor	
Low range.....	2.87 in ³ (47.0 cc)
High range.....	1.72 in ³ (28.2 cc)

Hydrostatic transmission pumps

variable displacement axial piston (servo controlled).....	0-2.81 in ³ (0-46 cc)
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Wheel torque.....	6,332 ft-lb (8586 nm)
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ELECTRICAL

Alternator:.....	95 amp, solid-state rectifier and regulator
Battery:.....	12-volt 925 CCA @ 0°F (-18°C) maintenance free
System protection:.....	30 amp circuit breaker

INSTRUMENTS: Hour meter, voltage alarm, hydraulic oil temperature light & alarm; coolant temperature light and alarm, fuel gauge, transmission charge pressure light and alarm, engine oil pressure light and alarm, seat belt light, air cleaner restriction light and alarm, transmission filter restriction light and alarm, parking brake reminder light.

ENGINE

Manufacturer	New Holland
Model number	334TM2, turbocharged
Air cleaner	Dual stage, dry element filter
Bore and stroke	4.1" x 5.2" (104 mm x 132 mm)
Number of cylinders	3
Displacement	205 in ³ (3.4 L)
Fuel.....	Diesel

HORSEPOWER at 2300 rpm:

Gross.....	78 hp (58 kW)
SAE net.....	72 hp (54 kW)

SPEEDS:

Fast, no load	2,484-2,558 rpm
Idle, no load	1,000-1,100 rpm
Peak Torque @1400 RPM	228 ft-lb (319 nm)
Torque Rise	34%

HYDRAULICS**BOOM CYLINDERS**

Make.....	New Holland double acting
Bore and stroke.....	2.5" x 24.06" (6.35 cm x 61 cm)
Rod size.....	1.5" (3.75 cm)

BUCKET CYLINDERS

Make.....	New Holland double acting
Bore and stroke.....	2.5" x 17.6" (6.35 cm x 44.7 cm)
Rod size.....	1.25" (3.2 cm)
Control valve.....	Three spool, open center
Filtration	6 micron, spin-on filter
Hydraulic pump	Gear type, 19.3 gpm standard 34.7 gpm high-flow optional
Oil reservoir.....	5 gal (18.9 L)
Relief pressure setting.....	2,500-2,600 psi

LS185.B Standard and Optional Equipment

STANDARD EQUIPMENT

ENGINE

New Holland 334TM2
Dual stage, dry element air filter
Direct injection diesel

HYDRAULICS

New Holland double-acting boom cylinders
New Holland double-acting bucket cylinder
Three-spool, open-center control valve
Spin-on filter, 4 micron
Gear-type, 19.3 -gpm hydraulic pump

TRANSMISSION

Variable displacement axial piston pumps,
axial piston motors
100 HV chain
Gear/chain final drive
11.3-mph top speed

ELECTRICAL

12-volt system
95-amp alternator
Single battery with 925 CCA
30-amp circuit breaker
Hour meter
Voltage Alarm
Hydraulic oil temperature light and alarm
Coolant temperature light and alarm
Fuel gauge
Transmission charge pressure light and alarm
Engine oil pressure light and alarm
Seat belt light
Air cleaner restriction light and alarm
Transmission filter restriction light and alarm
Parking brake reminder light

LIGHTING

Worklights - two front halogen,
one rear halogen
Turn signals

SERVICE

Removable side engine panels (no tools required)
Lift-up seat pan (no tools required)
Boom and cab tilting feature
Rear engine door/top engine cover
50-hour lube interval
Low-mounted fuel fill
Radiator moves for cleaning access

SAFETY

Back-up alarm
Manual in-cab boom lockouts
Retractable seatbelt
Horn
Hydraulic lockout
ROPS operator area

VANDAL PROTECTION

Lockable engine cover and side panels
Enclosed fuel cap
Enclosed hydraulic fill

ACCESSORIES

Boom hydraulics
Flat-face couplers, standard flow
Cab headliner
Suspension seat

FACTORY AND DEALER INSTALLED OPTIONS

LIGHTING

Four-way flashers/warning lights

TIRES

Heavy-Duty Bar Lug Tread
Standard Bar Lug Tread
TyrLiner™ filler
* Please see your dealer to discuss the other tire options available.

ACCESSORIES

12-volt accessory power plug
Air conditioning
Armrests
Bucket spill guard
Bucket tooth kit
Cab jack kit
Cab enclosure
Cab side window kit
Catalytic muffler
Decal kits
Deluxe instrument panel
Demolition kit
Engine cold start
Grid Heater
Block Heater
Fire extinguisher bracket kit
Flat-face couplers, high flow
Floor cover plates
Hand controls
Heater/defroster
High-flow hydraulics
Hydraulic mount plate
Rearview mirror
Three-inch seatbelt
Shoulder belt
SMV signs
Top window
Two-speed
Factory A/C
Warning beacon
Weight kit

BUCKETS

66" Dirt/Foundry
72" Dirt/Foundry
78" Dirt/Foundry
66" Low Profile extended
72" Low Profile extended
78" Low Profile extended
84" Low Profile extended
72" Utility
84" Utility
72" Manure/Fertilizer
84" Manure/Fertilizer
Pallet Forks
Utility Forks
Utility Grapple
Over 60 Loadstar attachments

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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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