



NEW HOLLAND
CONSTRUCTION

LOADER BACKHOES

Specifications

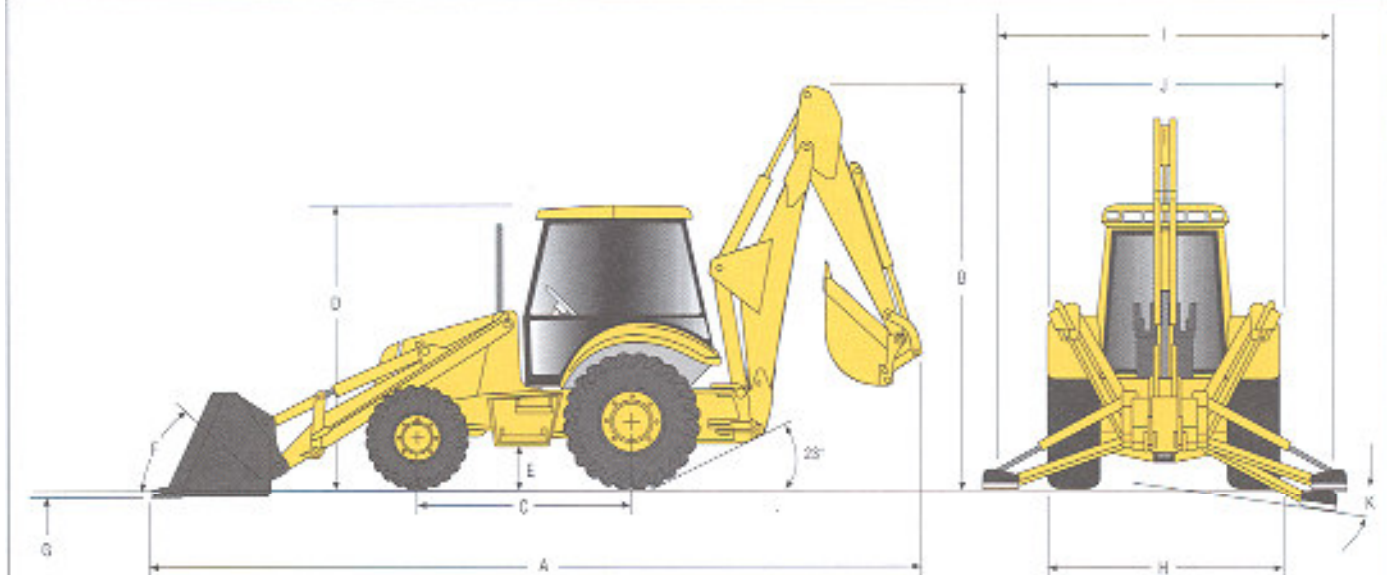
LB75.B



www.newhollandconstruction.com

LB75.B Specifications

LB75.B DIMENSIONS



A Transport length, ft/in (mm)	23' 3" (7,075)	F Bucket Rollback	
B Transport height, ft/in (mm)	13' 1" (3,988)	At ground level	36"
C Wheelbase, ft/in (mm)		Raised	55"
2WD	85.6" (2,175)	G Digging depth below grade, in (mm)	5" (131)
4WD	85.6" (2,175)	H Transport width, ft/in (mm)	7' 5" (2,261)
D Height to top of cab, ft/in (mm)	9' 6" (2,885)	I Stabilizer spread, operating, ft/in (mm)	10' 7" (3,226)
E Ground Clearance, in (mm)	15.5" (394)	J Stabilizer spread, transport, ft/in (mm)	7' 5" (2,261)
		K Stabilizer spread, leveling angle	14"

WEIGHT

Base Unit	14,440 lbs
With options added	
4WD	+386 lbs
Cab	+397 lbs
4x1	+1,256 lbs
6x1	+1,576 lbs
HED (counterweight)	+200 lbs

TRANSMISSION

Manufacturer	Turner
Transmission type	Power-reversing/torque conv
Power shuttle standard	Yes
Gear	4F/4R
Max travel speed, FWD, mph (kph)	20 (32.2)
Front tire size, 4WD	12-16.5
Rear tires size, 4WD	19.5L-24

ENGINE

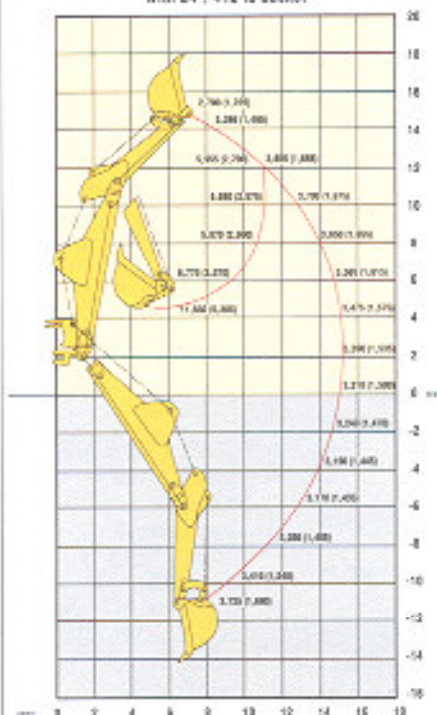
Make and model	New Holland 445T/M2
Type	Tier II emissionized, direct injection, 4-cycle diesel
Aspiration	Turbocharged
Governed RPM	2200 RPM
Number of cylinders	4
Displacement, cu in (L)	273 (4.5)
Horsepower, gross, hp (kW)	95 (67)
Horsepower (SAE) J1349, hp (kW)	89 (63)
Peak torque, lb-ft (N-m) @ RPM	294 (398) @ 1400

MANEUVERABILITY

	Less Brakes	With Split Brakes
2WD curb clearance	13' 6"	12' 7"
4WD curb clearance	15' 9"	11' 5"
2WD bucket clearance	17' 9"	16' 8"
4WD bucket clearance	19' 5"	16' 6"

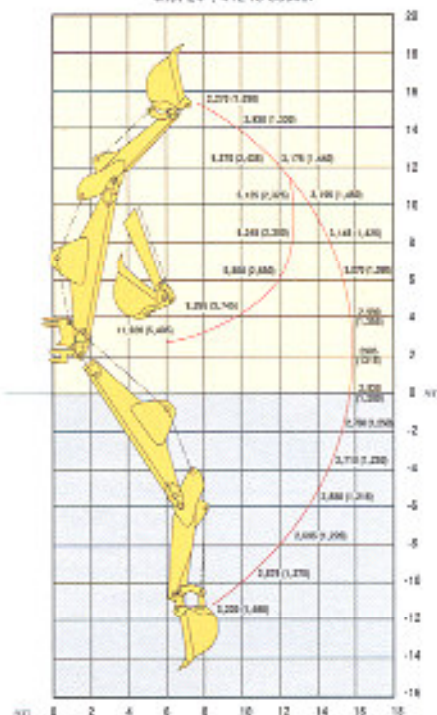
BACKHOE DIMENSIONS

STANDARD BACKHOE (4WD) SHORT DIPPER
with 24", 412 lb bucket



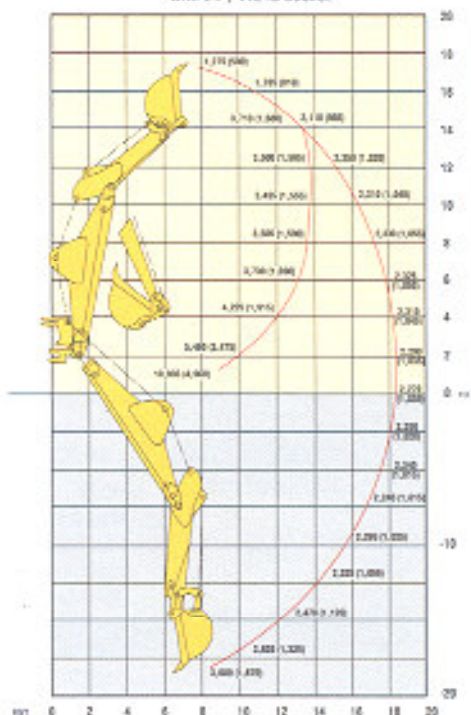
SAE 3.054 psi
P-210 Bar
Front Counterweight
Hyd. Tank: 10-14.5 (compact) 4WD TITAN
Rear Tank: 19.5L-24 (Std. Tract. Lug R4) TITAN

HED BACKHOE RETRACTED (4WD)
with 24", 412 lb bucket



SAE 3.054 psi
P-210 Bar
Front Counterweight
Hyd. Tank: 10-14.5 (compact) 4WD TITAN
Rear Tank: 19.5L-24 (Std. Tract. Lug R4) TITAN

HED BACKHOE EXTENDED (4WD)
with 24", 412 lb bucket



SAE 3.054 psi
P-210 Bar
Front Counterweight
Hyd. Tank: 10-14.5 (compact) 4WD TITAN
Rear Tank: 19.5L-24 (Std. Tract. Lug R4) TITAN

BACKHOE DIMENSIONS

	Standard	Retracted	Extended
Dig depth, 2' flat bottom, ft/in (mm)	14' 0" (4,262)	14' 6" (4,420)	17' 11" (5,464)
Dig depth, 8' flat bottom, ft/in (mm)	12' 9" (3,874)	13' 4" (4,061)	17' 0" (5,184)
Loading height, ft/in (mm)	12' 2" (3,705)	12' 2" (3,705)	14' 8" (4,453)
Loading reach, ft/in (mm)	5' 7" (1,683)	5' 7" (1,683)	8' 9" (2,687)
Max operating height, ft/in (mm)	18' 1" (5,504)	18' 1" (5,504)	20' 6" (6,250)
Reach from swing post, ft/in (mm)	18' 2" (5,539)	18' 9" (5,710)	21' 10" (6,651)
Reach from rear axle, ft/in (mm)	21' 10" (6,660)	22' 5" (6,831)	25' 6" (7,772)
Stabilizers			
Width, transport, ft/in (mm)	7' 5" (2,260)		
Width, working (SAE), ft/in (mm)	10' 7" (3,230)		
Swing arc	180°	180°	180°

BACKHOE PERFORMANCE

	Standard	Retracted	Extended
Max dig depth, ft/in (mm)	14' 0" (4,262)	14' 6" (4,420)	17' 11" (5,464)
Bucket capacity, cu ft (m³)	7.5 (.21)	7.5 (.21)	7.5 (.21)
Bucket digging force, lbs (kg)	12,808 (5,810)	12,808 (5,810)	12,808 (5,810)
Crowd digging force, lbs (kg)	9,217 (4,181)	8,558 (3,882)	6,221 (2,822)
Boom lift @ -8 ft, lbs (kg)	3,205 (1,455)	2,695 (1,220)	2,265 (1,025)
Dipper lift @ +10 ft, lbs (kg)	5,680 (2,576)	5,125 (2,325)	3,435 (1,555)
Bucket rotation (max)	204°	204°	204°

HYDRAULIC SYSTEM

System type	Open center
Main pump type	Dual gear
Pump capacity gpm (lpm)	40 (151)
System relief pressure	3,045 psi

ELECTRICAL

Alternator output	90 amps
Battery capacity (std/opt)	1,200/900 CCA

REFILL CAPACITIES

Fuel tank, gal (L)	35.6 (135)
Cooling system, gal (L)	6.4 (24)
Engine oil, includes filter, gal (L)	3.6 (13.6)
Hydraulic tank, gal (L)	21 (80)
Hydraulic system, gal (L)	31 (118)

SWING

Swing torque	5,800 lbf-ft
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CYLINDER SPECS

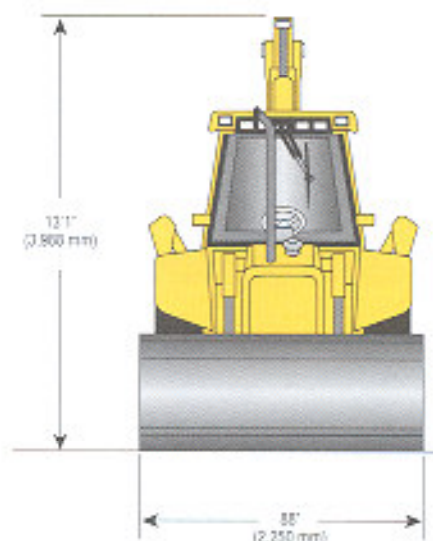
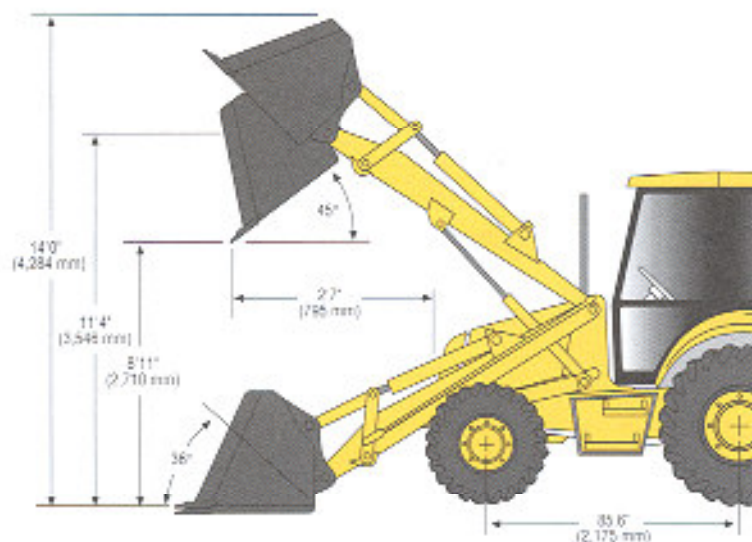
Loader cylinder	3.14" bore x 26.9" stroke
Backhoe	
Boom cylinder	5.11" bore x 33.9" stroke
Arm cylinder	4.52" bore x 30.3" stroke
Bucket cylinder	3.54" bore x 30.0" stroke
Swing cylinder	4.33" bore x 9.33" stroke

SERVICE INTERVALS

Engine oil	500 hours
Hydraulic oil filter	1,000 hours
Engine coolant	2,000 hours
Rear axle oil	1,000 hours

LB75.B Specifications

LOADER DIMENSIONS



LOADER DIMENSIONS

	Heavy-Duty General Purpose	Multi-Purpose (4x1)	Multi-Purpose (6x1)
Height to hinge pin, ft/in (mm)	11' 4" (3,456)	11' 4" (3,456)	11' 4" (3,456)
Max dump angle	45°	45°	45°
Max grading angle	130°	130°	130°
Reach @ 45 degree dump angle	2' 7" (795)	2' 7" (795)	2' 7" (795)
Max operating height	14' 0" (4,284)	14' 0" (4,284)	14' 0" (4,284)
Dump height	8' 11" (2,710)	8' 10" (2,702)	8' 10" (2,702)

LOADER PERFORMANCE

	Heavy-Duty General Purpose	Multi-Purpose (4x1)	Multi-Purpose (6x1)
Linkage geometry	4-bar	4-bar	4-bar
Max bucket heaped capacity, cu yd (m³)	1.3 (1.0)	1.3 (1.0)	1.3 (1.0)
Bucket breakout force, lbs (kg)	13,942 (6,324)	14,056 (6,375)	14,056 (6,375)
Lift capacity to full height, lbs (kg)	7,782 (3,529)	7,454 (3,381)	7,176 (3,254)
SAE heaped capacity, cu yd (m³)	1.3 (1.0)	1.3 (1.0)	1.3 (1.0)
SAE struck capacity, cu yd (m³)	1.07 (.82)	1.07 (.82)	1.07 (.82)
Bucket weight, lbs (kg)	881.5 (400)	1,576 (715)	1,576 (715)
Cutting width, in (mm)	88 (2,250)	88 (2,250)	88 (2,250)
Cycle			
Raise to full height	4.4 sec	4.4 sec	4.4 sec
Dump time	1.2 sec	1.2 sec	1.2 sec
Lower	3.4 sec	3.4 sec	3.4 sec

Unit equipped with 12-16.5 front tire, 19.5L-24 rear tire, front counter weight

STANDARD EQUIPMENT

ENGINE

New Holland 4.5 liter (273 cu. in.)
turbocharged 445T/M2
Dry dual-element air cleaner
Two-stage fuel filtering

TRANSMISSION

Power shuttle fully synchronized gearbox,
4 forward/4 reverse speeds, and power-
reversing torque converter
Two position electric disconnect on loader
control and gearshift

REAR AXLE/BRAKES

Planetary final drives
Mechanically-actuated differential lock
Multi-plate, hydraulic, self-adjusting,
self-equalizing wet disc brakes
Independent parking/emergency brake

FRONT AXLE

73" tread width
8-bolt wheel hubs
Hydrostatic power steering with priority
valve
Integrated steering cylinder
2WD axle: cast iron
FWD axle: cast iron
FWD electrical engagement with indicator
light

ELECTRICAL

12-volt system
70-amp high-capacity alternator
Dual batteries with 1,200 CCA

LIGHTING

4 front/4 rear halogen worklights
2 rear reflectors
2 rear tail and turn indicators

BACKHOE

Mechanical transport lock
Flipover dirt/street stabilizer pads
EasyTouch 2-lever controls (SAE pattern)
Stabilizer lock valves

OPERATOR'S STATION (ROPS)

Dual side entry flat deck
Interior rearview mirror
Built-in beverage holder
Key start switch with electric shut-off
2-position horn control
Electric analog instrumentation
Tachometer/hourmeter
Fuel gauge
Tilt steering wheel
Auxiliary 12-volt output/cigarette lighter
Pre-wired for emergency beacon
Pre-wired for road headlights
Vinyl suspension seat
3-inch retractable seatbelt

OPERATOR'S STATION (CAB)

Dual side entry flat deck
Interior rearview mirror

Built-in beverage holder
Coat hook
Pre-wired for radio
Key start switch with electric shut-off
Headliner
2-position horn control
Molded floor mat
Electric instrumentation
Tachometer/hourmeter
Fuel gauge
Interior dome light
Tilt steering wheel
Auxiliary 12-volt output/cigarette lighter
Pre-wired for emergency beacon
Pre-wired for road headlights
Adjustable side window openings
One-piece rear window
3-speed heater/blower fan
Adjustable front sun-screen shade
Cloth suspension seat
3-inch retractable seatbelt

LOADER

Straight-arm design
4-Bar bucket linkage
Bucket level indicator
Return-to-dig feature
Dual lift and bucket cylinders
Hydromechanical self-leveling
Single lever control
Loader arm support
1.3 yd3 heavy duty bucket

HYDRAULICS

O-ring Face seal connectors
"PD" type diagnostic port connectors
Open center coaxial drive hydraulic pump
10 micron spin-on filter element

TOTAL VEHICLE

Front counterweight
Rear fenders
Lockable integrated toolbox
One-piece, unitized mainframe
SMV emblem
Front and rear tiedown points
Audible backup alarm

VANDALISM/SECURITY

Lockable control panel cover on ROPS
Engine electrical disconnect switch
Key-lockable engine side panels
Key-lockable fuel cap
Tamper-proof hydraulic reservoir cap

TIRES

2 Wheel Drive Tire Package:
11L x 16, 10PR (F3)
19.5 X 24, 10PR (R4)
4 Wheel Drive Tire Package:
12 x 16.5, 8PR FWD
19.5 X 24, 10PR (R4)

OPTIONAL EQUIPMENT

ENGINE

Grid heater starting aid
110-volt engine block heater (dealer
installed)
*Centrifugal dust bowl pre-cleaner

TRANSMISSION

Single lever F-N-R control with safety detent

ELECTRICAL

Single battery with 900 CCA

BACKHOE

2-lever pilot controls with pattern changer
*Mechanical backhoe bucket quick coupler
4-lever backhoe controls
2-lever ISO excavator pattern backhoe
controls
HED extendible dipperstick
Multiple bucket options from factory
Heavy-duty and extra heavy-duty backhoe
buckets

OPERATOR'S STATION (ROPS)

Electric ON/OFF control of hydraulic hand
tool function
Foot-activated switch control of backhoe
hammer

OPERATOR'S STATION (CAB)

CFC-free R134a air conditioning system
Electric ON/OFF control of hydraulic hand
tool function
Foot-activated switch control of backhoe
hammer

LOADER

1.3 yd3 HD bucket w/forks
Multi-purpose bucket (4X1)
Multi-purpose bucket w/forks (6X1)
Electro-hydraulic quick coupler

HYDRAULICS

Backhoe hammer circuit
Mid-mount hand tool circuit
Extra function backhoe valve with control
pedal (less HED)
*Glide Ride control system

TOTAL VEHICLE

Fire extinguisher
Special order paint colors
*External rearview mirrors
Front fenders
*Operator cooling fan
*4wd driveshaft guard kit

VANDALISM/SECURITY

*Steering cylinder lock

LOADER ATTACHMENTS

Sweeper brooms
Angle dozer
4x1 bucket
Snow blower
Auger
Claw
Forks
Scrap Grapple

BACKHOE ATTACHMENTS

Hydraulic breaker
Ripper teeth
Cemetery bucket
V-ditching bucket
Backfill blade
Pavement-removal bucket
Hydraulic compactor
Hydraulic auger
Hydraulic thumb

HAND-TOOL ATTACHMENTS

Post-hole digger
Hand-held breaker
Chop saw
Cable cutter
Chain saw
Hydraulic trash pump
Hand-held compactor

TIRES

Please see your dealer to discuss
the other tire options available.

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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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
instructions and never operate machinery
without all shields, protective
devices and structures in place.

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