



# NEW HOLLAND

## L120/L125 SKID STEER LOADERS



L120 L125 Specifications

 **NEW HOLLAND**

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# L120 L125 Specifications

DIMENSIONS	
<p>The drawing shows a side view of a skid steer loader with a bucket raised. Dimension lines indicate: A (angle of departure), B (dump angle), C (dump height), D (dump reach), E (height), F (height to hinge pin), G (ground clearance), H (length), I (operating height), J (rollback angle), L (wheelbase), and M (wheel tread). The top view shows dimension N (width) and K (turning radius).</p>	<p>A. Angle of departure 16°</p> <p>B. Dump angle (maximum) 34.3°</p> <p>C. Dump height (SAE) 61.8" (160 cm)</p> <p>D. Dump reach @ maximum height (SAE) 21.4" (54 cm)</p> <p>E. Height 69.4" (176 cm)</p> <p>F. Height to hinge pin 93.6" (238 cm)</p> <p>G. Ground clearance 6.8" (17 cm)</p> <p>H. Length 95.2" (242 cm)</p> <p>I. Operating height (maximum) 121.6" (309 cm)</p> <p>J. Rollback angle (at carry position) 25°</p> <p>K. Turning radius:            L120:                Front 48" (147 cm)                Rear 71" (180 cm)            L125:                Bucket empty 71" (180 cm)                Bucket full 48" (147 cm)</p> <p>L. Wheelbase 32" (81 cm)</p> <p>M. Wheel tread            w/5.70 x 12 tires 29.4" (75 cm)            w/23 x 8.5-12 tires 31.8" (81 cm)</p> <p>N. Width            w/5.70 x 12 tires &amp; 36" bucket 35.2" (89 cm)            w/23 x 8.5 x12 tires &amp; 42" bucket 40.25" (102 cm)</p>
	<b>TOP VIEW</b>

BUCKETS				
Type	Width	SAE Heaped cap	SAE Struck cap	Weight
Utility .....	36" (91 cm).....	4.6 ft³ (.13 m³).....	3.5 ft³ (.09 m³) .....	76 lb (35 kg)
Utility .....	42" (107 cm).....	5.3 ft³ (.15 m³).....	4.0 ft³ (.11 m³) .....	89 lb (40 kg)
Utility .....	47" (119 cm).....	6.0 ft³ (.17 m³).....	4.5 ft³ (.13 m³) .....	137 lb (62 kg)

# L120 L125 Specifications

CAPACITIES	
Hydraulic system .....	9 gal (34.1 L)
Cooling system	
L120 .....	N.A.
L125 .....	1.15 gal (4.35 L)
Engine crankcase (w/filter) .....	3.2 qt (3.03 L)
Fuel tank .....	6 gal (22.7 L)

PERFORMANCE	
<b>BREAKOUT FORCE:</b>	
SAE bucket breakout force .....	1,409 lb (639 kg)
SAE boom breakout force .....	1,137 lb (516 kg)
<b>CYCLE TIMES:</b>	
Raising time (with SAE operating load) .....	5.5 sec
Dumping time (with SAE operating load) .....	0.9 sec
Lowering time (empty) .....	3.4 sec
Retract time (empty) .....	1.9 sec
Total boom-cycle time .....	11.7 sec
<b>GROUND SPEED:</b>	
Maximum .....	5.8 mph (9.3 kph)
<b>OPERATING LOAD:</b>	
SAE 732 (L120) .....	600 lb (272 kg)
(L125) .....	700 lb (317 kg)
<b>OPERATING WEIGHT:</b>	
SAE* (L120) .....	2,050 lb (930 kg)
(L125) .....	2,185 lb (991 kg)
<b>TIPPING LOAD:</b>	
Per SAE J-732 (L120) .....	1,200 lb (544 kg)
(L125) .....	1,400 lb (635 kg)
*Base unit plus full fuel tank, 175 lb (79 kg) operator, 72" dirt an foundry bucket, 12.00 x 16.5 tires.	

ENGINE	
Manufacturer (L120) .....	Kohler
(L125) .....	New Holland
Model number (L120) .....	CH18
(L125) .....	NH673
Bore and stroke (L120) .....	3.03" x 2.64" (7.7 cm x 6.7 cm)
(L125) .....	2.6" x 2.5" (6.7 cm x 6.4 cm)
Cooling system (L120) .....	Air-cooled
(L125) .....	Water-cooled
Number of cylinders (L120) .....	2
(L125) .....	3
Displacement (L120) .....	38.1 in3 (624 cc)
(L125) .....	41.2 in3 (675 cc)
Fuel (L120) .....	Gas
(L125) .....	Diesel
Horsepower @ 3,600 rpm (L120) .....	18 hp (13.3 kW)
(L125) .....	16.5 hp (12.3 kW)
<b>SPEEDS:</b>	
L120:	
Fast, no load .....	3,600–3,750 rpm
Idle, no load .....	1,100–1,200 rpm
L125:	
Fast, no load .....	3,600–3,700 rpm
Idle, no load .....	1,100–1,200 rpm
Peak torque (L120) .....	30.0 ft-lb (40 Nm) @ 2500 rpm
(L125) .....	28.2 ft-lb (38 Nm) @ 2,200 rpm

POWER TRAIN	
Axle diameter .....	1.5" (3.8 cm)
Chain size .....	ASA 60 Standard Roller Chain
Forward and reverse speeds .....	0–5.8 mph (0–9.3 kph)

ELECTRICAL	
Alternator .....	20 amp
Battery .....	12-volt 410 CCA @ 0°: (-18°C) maintenance free
System protection: .....	15 amp circuit breaker

HYDRAULICS	
<b>BOOM CYLINDERS:</b>	
Make .....	New Holland double acting
Bore and stroke .....	2" x 26.25" (5.08 cm x 66.68 cm)
Rod size .....	1.25" (3.2 cm)
<b>BUCKET CYLINDERS:</b>	
Make .....	New Holland double acting
Bore and stroke .....	1.87" x 12" (4.76 cm x 30.48 cm)
Rod size .....	0.87" (2.2 cm)
Control valve .....	Two spool, open center with float
Hydraulic pump .....	Gear type, 8 gpm (30.2 lpm) @ 3,600 rpm
Relief pressure (maximum) .....	1,600 psi (11,025 kpa)

## Base and Optional Equipment

BASE EQUIPMENT	
<b>ENGINE</b>	<b>ELECTRICAL</b>
16.5-hp New Holland E673 diesel (L125)	12-volt system
18-hp Kohler CH18 gas (L120)	20-amp alternator (L120)
Dry air cleaner	22-amp alternator (L125)
Single fuel filter	Single battery with 410 CCA
<b>HYDRAULICS</b>	15-amp circuit breaker
New Holland double-acting boom cylinders	Hour meter
New Holland double-acting bucket cylinder	Fuel gauge
Spin-on filter	Seat belt light
Gear-type, 8-gpm hydraulic pump	<b>SERVICE</b>
<b>TRANSMISSION</b>	Rear door
Hydrostatic transmission	10-micron, no bypass, full-flow hydraulic filter
High-torque motors	<b>SAFETY</b>
Engine to transmission pumps	Manual in-cab boom lockouts
Belt clutch drive	Seatbelt
ASA 60 Standard Roller Chain	Seat switch
5.8-mph top speed	Hydraulic boom lockout
	ROPS operator area

OPTIONAL EQUIPMENT	
<b>LIGHTING</b>	<b>ACCESSORIES</b>
Warning lights	Boom hydraulics
Worklights	Heavy-duty air cleaner
<b>TIRES</b>	SMV signs
23 x 8.50-12 Standard Bar Lug Tread	<b>BUCKETS</b>
5.70 x 12 Narrow width	36" Utility
	42" Utility
	47" Utility

## SUPER BOOM™ SKID STEER LOADERS

### L120

Horsepower  
Gross 18 hp (13.3 kW)

Operating weight  
2,050 lbs (930 kg)

Rated operating capacity  
600 lbs (272 kg)

### L125

Horsepower  
Gross 16.5 hp (12.3 kW)

Operating weight  
2,185 lbs (991 kg)

Rated operating capacity  
700 lbs (317 kg)



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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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