

New Holland Skid Steer Specifications



LS120 LS125 LS140 LS150 LS160 LS170 LS180 LS190

MODEL	LS120	LS125	LS140	LS150	LS160	LS170	LS180	LS190
New Holland Engine	Linamar LX770 ¹	E673	N843	N843H	N844	N844T (Turbo)	332T (Turbo)	450/NC
Type of Fuel	Gas	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Number of Cylinders	2	3	3	3	4	4	3	4
Displacement, cu in. (cm ³)	47.7 (782)	41.2 (675)	91.3 (1496)	91.3 (1496)	121.7 (1995)	121.7 (1995)	192 (3146)	304 (5000)
Max. SAE gross hp (kW)	18 (13.3)	16.5 (12.3)	32 (23.6)	38 (28.4)	42 (31.9)	52 (39.3)	67 (48.5)	83 (61.9)
Forward & Reverse Speeds, mph (km/h)	0-5.8 (0-9.3)	0-5.8 (0-9.3)	0-6.7 (0-10.8)	0-7.5 (0-12)	0-7.3 (0-11.7)	0-7.3 (0-11.7)	0-7.2 (0-11.6) ²	0-7.6 (0-12.2) ²
SAE Bucket Breakout Force, lbs. (kg)	1,409 (639)	1,409 (639)	3,405 (1544)	3,500 (1588)	3,712 (1687)	3,712 (1687)	6,034 (2737)	6,034 (2737)
SAE Boom Breakout Force, lbs. (kg)	1,137 (516)	1,137 (516)	2,020 (916)	2,400 (1089)	2,828 (1286)	2,828 (1286)	4,194 (1902)	6,000 (2722)
Manufacturer's Operating Load, lbs. (kg)	600 (272)	700 (317)	1,250 (567)	1,350 (612)	1,500 (680)	1,700 (771)	2,200 (998)	2,800 (1270)
SAE Operating Load, lbs. (kg)	600 (272)	700 (317)	1,283 (583)	1,350 (612)	1,500 (680)	1,765 (801)	2,555 (1159)	2,842 (1289)
Tipping Load Without Weights per SAE J-732, lbs. (kg)	1,200 (544)	1,400 (635)	2,565 (1166)	2,565 (1166)	3,500 (1588)	3,530 (1601)	5,110 (2318)	5,684 (2578)
SAE Operating Weight, lbs. (kg)	2,050 (930)	2,185 (991)	4,395 (1997)	4,500 (2045)	5,534 (2510)	5,540 (2513)	7,193 (3263)	7,860 (3565)
Lift Capacity to Max., lbs. (kg)	1,282 (582)	1,495 (679)	1,348 (612)	1,450 (658)	1,790 (812)	1,800 (817)	2,500 (1134)	3,100 (1406)
Hydraulic Pump, GPM (LPM)	8 (30.2)	8 (30.2)	11.5 (43.5)	12.6 (47.7)	16.4 (62.1)	18.7 (70.8)	19.7 (75.6)	21.3 (80.6)
High Flow Hydraulics, GPM (LPM)	—	—	—	—	22.4 (84.9) ³	24.5 (92.6) ³	30.8 (116.6) ³	32.2 (122) ³
Overall Length, in. (cm)	92.4 (235)	95.2 (242)	120 (304)	120 (304)	125 (317)	125 (317)	138 (352)	145 (370)
Overall Width w/o Bucket, in. (cm)	35.2 (89)	35.2 (89)	58.6 (149)	58.6 (149)	64.7 (164)	64.7 (164)	71 (181)	76.5 (194)
Overall Height, in. (cm)	69.4 (176)	69.4 (176)	73.4 (186)	73.4 (186)	75.3 (191)	75.3 (191)	77.85 (198)	79.5 (202)
Wheelbase, in. (cm)	32 (81)	32 (81)	37.4 (95)	37.4 (95)	42.5 (108)	42.5 (108)	47.5 (121)	51.5 (131)
Wheel Tread, in. (cm)	29.4 (75)	29.4 (75)	48.2 (122)	48.2 (122)	54.3 (138)	54.3 (138)	58.5 (148)	62.2 (158)
Height to Hinge Pin, in. (cm)	93.6 (238)	93.6 (238)	110.2 (280)	114.3 (290)	115.1 (292)	115.1 (292)	124.7 (317)	125.6 (319)
Dump Height (SAE), in. (cm)	61.8 (157)	61.8 (157)	86.9 (220)	91.4 (232)	90.4 (230)	90.4 (230)	100 (254)	102 (259)
Dump Reach @ Max. Height (SAE), in. (cm)	21.4 (54)	21.4 (54)	21.4 (54)	21.4 (54)	29.2 (74)	29.2 (74)	32.7 (83)	32.1 (81)
Dump Angle (Max.)	34.3°	34.3°	45°	43°	45°	45°	45°	45°
Rollback Angle	25°	25°	36°	36°	36°	36°	37°	37°
Ground Clearance, in. (cm)	6.8 (17)	6.8 (17)	7.8 (20)	7.8 (20)	7.9 (20)	7.9 (20)	8.4 (21)	10.1 (26)
Max. Operating Height, in. (cm)	121.6 (309)	121.6 (309)	136 (346)	140.2 (356)	141.9 (360)	141.9 (360)	151.25 (384)	153 (388)
Angle of Departure	16°	16°	25°	25°	23°	23°	28°	27°

Dimensional specifications and operating weights based on:

LS120 & LS125 — Base unit plus full fuel tank, 175 lbs. (79 kg) operator, 42" bucket, 23 x 8.5 x 12 tires.

LS140 & LS150 — Base unit plus full fuel tank, 175 lbs. (79 kg) operator, 60" dirt and foundry bucket, 10 x 16.5 HD tires.

LS160 & LS170 — Base unit plus full fuel tank, 175 lbs. (79 kg) operator, 66" dirt and foundry bucket, 10 x 16.5 HD tires.

LS180 — Base unit plus full fuel tank, 175 lbs. (79 kg) operator, 72" dirt and foundry bucket, 12 x 16.5 HD tires.

LS190 — Base unit plus full fuel tank, 175 lbs. (79 kg) operator, 78" dirt and foundry bucket, 14 x 17.5 HD tires.

¹LS120 — Linamar LX770 is the same engine as the Onan P218

²The LS180 and LS190 feature dual-range transmissions. The LS180 has a max. speed of 11.4 (18.3); the LS190 has a max. speed of 12 (19.3).

³With optional high-flow hydraulics.

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MODEL	LS120	LS125	LS140	LS150	LS160	LS170	LS180	LS190
STANDARD TIRE OPTIONS								
23 x 8.50-12, 4PR cleat-tread	•							
5.70 x 12, 4PR chevron-tread	•							
10.00 x 16.5			•	•	•	•		
10.00 x 16.5 IATCO Air Boss Altrakka III			•	•	•	•		
10.00 x 16.5 HD2000			•	•	•	•		
10.00 x 16.5 HD2000 with TyrLyner™			•	•	•	•		
7.00 x 15			•	•	•	•		
7.50 x 15 IATCO Air Boss			•	•	•	•		
27 x 8.50-15			•	•				
31 x 15.5-15 floatation			•	•	•	•		
12.00 x 16.5							•	
12.00 x 16.5 HD2000							•	•
12.00 x 16.5 HD2000 with TyrLyner™							•	•
12.00 x 16.5 IATCO Air Boss Altrakka III							•	•
8.25 x 15							•	
8.25 x 15 IATCO Air Boss							•	
14-17.5 10PR								•
STANDARD BUCKET OPTIONS								
36" utility (4.6 cu. ft.)	•	•						
42" utility (5.3 cu. ft.)	•	•						
47" utility (6.0 cu. ft.)	•	•						
54" low-profile (10.3 cu. ft.)			•	•				
60" low-profile (11.5 cu. ft.)			•	•		•		
60" low-profile extended (14.3 cu. ft.)			•	•	•	•		
66" low-profile extended (15.5 cu. ft.)					•	•	•	
72" low-profile extended (17.1 cu. ft.)					•	•	•	•
78" low-profile extended (18.8 cu. ft.)							•	
84" low-profile extended (20.2 cu. ft.)							•	
54" dirt & foundry (10.2 cu. ft.)			•	•				
60" dirt & foundry (11.5 cu. ft.)			•	•	•	•		
66" dirt & foundry (15.2 cu. ft.)					•	•	•	
72" dirt & foundry (16.7 cu. ft.)					•	•	•	•
78" dirt & foundry (18.4 cu. ft.)							•	
60" manure/slurry (16.7 cu. ft.)			•	•	•	•		
72" manure/slurry (19.1 cu. ft.)					•	•	•	•
84" manure/slurry (22.5 cu. ft.)							•	
60" utility/light material (19.7 cu. ft.)			•	•	•	•		
72" utility/light material (23.7 cu. ft.)					•	•	•	•
84" light material bucket (27.9 cu. ft.)					•	•	•	
*78" low-profile extended (18.8 cu. ft.)								•
*78" dirt & foundry (18.4 cu. ft.)								•
*84" light material bucket (27.9 cu. ft.)								•
*84" low-profile extended (20.2 cu. ft.)								•
*84" manure/slurry (22.5 cu. ft.)								•

*78" and 84" buckets recommended for 14-17.5 tires

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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.



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.