

New Holland 800TL Series Front-End Loader Specifications



Loaders for T4000, T4000F, TD5000, T5000, T6000, T7000 & T8000 Tractors

LOADER MODEL Loader type, NSL or MSL TRACTOR FAMILY	810TL MSL T4000 Series	810TL NSL T4000 Series	810TL MSL TD5000 Series 2WD only Standard Axle	810TL NSL TD5000 Series 2WD only Standard Axle
	Non-SuperSteer™ Axle	Non-SuperSteer™ Axle		
Max. lift height, in. (mm)	122 (3099)	122 (3099)	125 (3175)	125 (3175)
Dump clearance, in. (mm)	85 (2159)	85 (2159)	87 (2210)	87 (2210)
Digging depth, in. (mm)	8 (203)	8 (203)	8 (203)	8 (203)
Lift capacity @ 800 mm from bucket pivot point, lb. (kg)	2500 (1134)	2100 (953)	2500 (1134)	2100 (953)
Breakout force @ 800 mm from bucket pivot point, lb. (kg)	3200 (1451)	2650 (1202)	3200 (1451)	2650 (1202)
Reach @ maximum lift, in. (mm)	30 (762)	30 (762)	43 (1092)	43 (1092)
Reach @ ground level, in. (mm)	86 (2184)	86 (2184)	86 (2184)	86 (2184)
Bucket rollback angle, degrees	45	45	41	41
Bucket dump angle, degrees	64	65	65	67

LOADER MODEL Loader type, NSL or MSL TRACTOR FAMILY	810TL MSL T4000F Series	810TL NSL T4000F Series	810TL MSL T5000 Series 2WD only Standard Axle	810TL NSL T5000 Series 2WD only Standard Axle
	Standard Axle	Standard Axle		
Max. lift height, in. (mm)	125 (3175)	125 (3175)	136 (3454)	136 (3454)
Dump clearance, in. (mm)	87 (2210)	87 (2210)	98 (2489)	98 (2489)
Digging depth, in. (mm)	6 (152)	6 (152)	5 (127)	5 (127)
Lift capacity @ 800 mm from bucket pivot point, lb. (kg)	2450 (1111)	2000 (907)	2650 (1202)	2500 (1134)
Breakout force @ 800 mm from bucket pivot point, lb. (kg)	3100 (1406)	2550 (1157)	3300 (1497)	3100 (1406)
Reach @ maximum lift, in. (mm)	38 (965)	38 (965)	33 (838)	33 (838)
Reach @ ground level, in. (mm)	85 (2159)	85 (2159)	90 (2286)	90 (2286)
Bucket rollback angle, degrees	46	46	46	46
Bucket dump angle, degrees	60	61	56	57

*Loader specifications may vary based on tractor model, hydraulic system, tire size, etc.

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LOADER MODEL Loader type, NSL or MSL TRACTOR FAMILY	820TL MSL T4000 Series Non-SuperSteer™ Axle	820TL NSL T4000 Series Non-SuperSteer™ Axle	820TL MSL TD5000 Series Standard Axle	820TL NSL TD5000 Series Standard Axle
Max. lift height, in. (mm)	133 (3378)	133 (3378)	136 (3454)	136 (3454)
Dump clearance, in. (mm)	96 (2438)	96 (2438)	98 (2489)	98 (2489)
Digging depth, in. (mm)	7 (178)	7 (178)	5 (127)	5 (127)
Lift capacity @ 800 mm from bucket pivot point, lb. (kg)	2650 (1202)	2500 (1134)	2650 (1202)	2500 (1134)
Breakout force @ 800 mm from bucket pivot point, lb. (kg)	3300 (1497)	3100 (1406)	3300 (1497)	3100 (1406)
Reach @ maximum lift, in. (mm)	25 (635)	25 (635)	36 (914)	36 (914)
Reach @ ground level, in. (mm)	93 (2362)	93 (2362)	88 (2235)	88 (2235)
Bucket rollback angle, degrees	50	50	45	45
Bucket dump angle, degrees	53	53	57	58

LOADER MODEL Loader type, NSL or MSL TRACTOR FAMILY	820TL MSL T5000 Series Standard Axle	820TL NSL T5000 Series Standard Axle	820TL MSL T4000 Series SuperSteer Axle	820TL NSL T4000 Series SuperSteer Axle
Max. lift height, in. (mm)	136 (3454)	136 (3454)	135 (3429)	135 (3429)
Dump clearance, in. (mm)	98 (2489)	98 (2489)	97 (2464)	97 (2464)
Digging depth, in. (mm)	5 (127)	5 (127)	6 (152)	6 (152)
Lift capacity @ 800 mm from bucket pivot point, lb. (kg)	2650 (1202)	2500 (1134)	2650 (1202)	2500 (1134)
Breakout force @ 800 mm from bucket pivot point, lb. (kg)	3300 (1497)	3100 (1406)	3300 (1497)	3100 (1406)
Reach @ maximum lift, in. (mm)	33 (838)	33 (838)	47 (1194)	47 (1194)
Reach @ ground level, in. (mm)	90 (2286)	90 (2286)	92 (2337)	92 (2337)
Bucket rollback angle, degrees	46	46	46	46
Bucket dump angle, degrees	56	57	56	57

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Loaders for T4000, T4000F, TD5000, T5000, T6000, T7000 & T8000 Tractors

LOADER MODEL Loader type, NSL or MSL TRACTOR FAMILY	830TL MSL T6020-T6060 (4 cyl.)	830TL NSL T6020-T6060 (4 cyl.)	830TL MSL T5000 Series TD5000 Series Standard Axle	830TL NSL T5000 Series TD5000 Series Standard Axle
	Non-SuperSteer™ Axle	Non-SuperSteer™ Axle	Standard Axle	Standard Axle
Max. lift height, in. (mm)	145 (3683)	145 (3683)	144 (3658)	144 (3658)
Dump clearance, in. (mm)	107 (2718)	107 (2718)	106 (2692)	106 (2692)
Digging depth, in. (mm)	8 (203)	8 (203)	7 (178)	7 (178)
Lift capacity @ 800 mm from bucket pivot point, lb. (kg)	3350 (1520)	3150 (1429)	3400 (1542)	3200 (1451)
Breakout force @ 800 mm from bucket pivot point, lb. (kg)	4100 (1860)	3800 (1724)	4200 (1905)	3850 (1746)
Reach @ maximum lift, in. (mm)	31 (787)	31 (787)	34 (864)	34 (864)
Reach @ ground level, in. (mm)	92 (2337)	92 (2337)	98 (2489)	98 (2489)
Bucket rollback angle, degrees	43	43	46	46
Bucket dump angle, degrees	62	63	58	58
LOADER MODEL Loader type, NSL or MSL TRACTOR FAMILY	840TL MSL T6030-T6080	840TL NSL T6030-T6080	840TL MSL T6020-T6080	840TL NSL T6020-T6080
	Non-SuperSteer™ Axle	Non-SuperSteer™ Axle	SuperSteer™ Axle	SuperSteer™ Axle
Max. lift height, in. (mm)	154 (3911)	154 (3911)	154 (3911)	154 (3911)
Dump clearance, in. (mm)	116 (2946)	116 (2946)	123 (3124)	123 (3124)
Digging depth, in. (mm)	8 (203)	8 (203)	8 (203)	8 (203)
Lift capacity @ 800 mm from bucket pivot point, lb. (kg)	3950 (1792)	3700 (1678)	3950 (1792)	3700 (1678)
Breakout force @ 800 mm from bucket pivot point, lb. (kg)	4750 (2155)	4400 (1996)	4750 (2155)	4400 (1996)
Reach @ maximum lift, in. (mm)	31 (787)	31 (787)	38 (965)	38 (965)
Reach @ ground level, in. (mm)	100 (2540)	100 (2540)	102 (2591)	102 (2591)
Bucket rollback angle, degrees	45	45	45	45
Bucket dump angle, degrees	56	57	56	57

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New Holland 800TL Series Front-End Loader Specifications



Loaders for T4000, T4000F, TD5000, T5000, T6000, T7000 & T8000 Tractors

LOADER MODEL Loader type, NSL or MSL TRACTOR FAMILY	850TL MSL T6030-T6080 Non-SuperSteer™ Axle	850TL NSL T6030-T6080 Non-SuperSteer™ Axle	850TL MSL T6030-T6080 SuperSteer™ Axle	850TL NSL T6030-T6080 SuperSteer™ Axle
Max. lift height, in. (mm)	167 (4241)	167 (4241)	167 (4241)	167 (4241)
Dump clearance, in. (mm)	129 (3276)	129 (3276)	129 (3276)	129 (3276)
Digging depth, in. (mm)	6 (152)	6 (152)	7 (177)	7 (177)
Lift capacity @ 800 mm from bucket pivot point, lb. (kg)	4650 (2109)	4300 (1950)	4650 (2109)	4300 (1950)
Breakout force @ 800 mm from bucket pivot point, lb. (kg)	5350 (2426)	5000 (2267)	5350 (2426)	5000 (2267)
Reach @ maximum lift, in. (mm)	34 (863)	34 (863)	34 (863)	34 (863)
Reach @ ground level, in. (mm)	109 (2768)	109 (2768)	104 (2641)	104 (2641)
Bucket rollback angle, degrees	44	44	44	44
Bucket dump angle, degrees	54	53	54	53
LOADER MODEL Loader type, NSL or MSL TRACTOR FAMILY	850TL MSL T7030-T7040 Non-SuperSteer™ Axle	850TL NSL T7030-T7040 Non-SuperSteer™ Axle	850TL MSL T7030-T7040 SuperSteer™ Axle	850TL NSL T7030-T7040 SuperSteer™ Axle
Max. lift height, in. (mm)	169 (4292)	169 (4292)	169 (4292)	169 (4292)
Dump clearance, in. (mm)	131 (3327)	131 (3327)	131 (3327)	131 (3327)
Digging depth, in. (mm)	4 (101)	4 (101)	4 (101)	4 (101)
Lift capacity @ 800 mm from bucket pivot point, lb. (kg)	4650 (2109)	4300 (1950)	4650 (2109)	4300 (1950)
Breakout force @ 800 mm from bucket pivot point, lb. (kg)	5350 (2426)	5000 (2267)	5350 (2426)	5000 (2267)
Reach @ maximum lift, in. (mm)	36 (914)	29 (737)	45 (1143)	29 (737)
Reach @ ground level, in. (mm)	104 (2641)	104 (2641)	111 (2819)	104 (2641)
Bucket rollback angle, degrees	41	41	41	41
Bucket dump angle, degrees	56	55	58	55

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Loaders for T4000, T4000F, TD5000, T5000, T6000, T7000 & T8000 Tractors

LOADER MODEL	860TL MSL T7030-T7060 Non-SuperSteer™ Axle	860TL MSL T7030-T7060 SuperSteer™ Axle
Loader type, NSL or MSL		
TRACTOR FAMILY		
Max. lift height, in. (mm)	178 (4521)	178 (4521)
Dump clearance, in. (mm)	140 (3556)	140 (3556)
Digging depth, in. (mm)	6 (152)	6 (152)
Lift capacity @ 800 mm from bucket pivot point, lb. (kg)	4900 (2223)	4900 (2223)
Breakout force @ 800 mm from bucket pivot point, lb. (kg)	5800 (2631)	5800 (2631)
Reach @ maximum lift, in. (mm)	36 (914)	36 (914)
Reach @ ground level, in. (mm)	113 (2870)	109 (2768)
Bucket rollback angle, degrees	43	43
Bucket dump angle, degrees	55	55

LOADER MODEL	870TL MSL T8000 Series Non-SuperSteer™ Axle	870TL MSL T8000 Series SuperSteer™ Axle
Loader type, NSL or MSL		
TRACTOR FAMILY		
Max. lift height, in. (mm)	187 (4750)	187 (4750)
Dump clearance, in. (mm)	150 (3810)	150 (3810)
Digging depth, in. (mm)	6 (152)	6 (152)
Lift capacity @ 800 mm from bucket pivot point, lb. (kg)	5250 (2381)	5250 (2381)
Breakout force @ 800 mm from bucket pivot point, lb. (kg)	7000 (3175)	7000 (3175)
Reach @ maximum lift, in. (mm)	35 (889)	65 (1651)
Reach @ ground level, in. (mm)	109 (2769)	109 (2769)
Bucket rollback angle, degrees	38	38
Bucket dump angle, degrees	57	58

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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.