

New Holland 800TL Series Front-End Loaders

810TL 820TL 830TL 840TL 850TL 860TL 870TL



NEW HOLLAND



Performance with a view

New 800TL front-end loaders from New Holland use tough construction and smart design to enhance the performance edge that comes with your New Holland tractor. A selection of over 70 attachments gives you an edge in on-the-job versatility, too.

Heavy-duty construction

The extra-strong 800TL loader boom allows you to handle bigger tasks and longer hours. The NEW

smooth, double-U loader arm profile is enhanced with an overlapping knee plate and a rugged torque tube to spread workload stresses. Heavy-duty hydraulic cylinders convey lifting power to the strong loader arms.

Unmatched visibility

The 800TL loaders handle all the workload. You get an excellent view to the bucket and to the job site, with no need to stretch or strain.

Convenient central hydraulic valve

The central control valve distributes oil flow evenly to all loader cylinders for maximum lift and breakout. Located behind the torque tube and covered for added protection, you have up to 15 easy connections to control options such as Soft Ride loader suspension, 3rd and 4th function valve requirements and hydraulic implement lock.

Loader Model	810TL	810TL	810TL	810TL	820TL	820TL	820TL	820TL
Loader type - NSL or MSL	NSL	MSL	NSL	MSL	NSL	MSL	NSL	MSL
Tractor Family	TN-A/DA	TN-A/DA	TNF/FA	TNF/FA	TNS-A	TNS-A	TN-A/DA	TN-A/DA
Tractor Models	60-75	60-75	65-95	65-95	75	75	85-95	85-95
Lift Capacity @ Max. Height @800mm - lb. (kg)	2100 (953)	2500 (1134)	2000 (907)	2450 (1111)	2500 (1134)	2650 (1202)	2500 (1134)	2650 (1202)
Lift Capacity @ Max. Height @ Pins - lb. (kg)	3300 (1497)	3200 (1451)	3200 (1451)	3100 (1406)	3850 (1746)	3300 (1497)	3850 (1746)	3300 (1497)
Lift Capacity @ 59 in high @800mm - lb. (kg)	2400 (1089)	2950 (1338)	2350 (1066)	2850 (1293)	2850 (1293)	3100 (1406)	2850 (1293)	3100 (1406)
Lift Capacity @ 59 in high @ Pins - lb. (kg)	3750 (1701)	3650 (1656)	3600 (1633)	3500 (1588)	4400 (1996)	3750 (1701)	4400 (1996)	3750 (1701)
Breakout Force @800mm - lb. (kg)	2650 (1202)	3200 (1451)	2550 (1157)	3100 (1406)	3100 (1406)	3300 (1497)	3100 (1406)	3300 (1497)
Breakout Force @ Pins - lb. (kg)	4200 (1905)	3850 (1746)	4050 (1837)	3750 (1701)	4850 (2200)	3950 (1792)	4850 (2200)	3950 (1792)
Max. Lift Height - in. (mm)	(A) 122 (3099)	122 (3099)	125 (3175)	125 (3175)	135 (3429)	135 (3429)	133 (3378)	133 (3378)
Max. Lift Height Under Level bucket - in. (mm)	(B) 110 (2794)	110 (2794)	113 (2870)	113 (2870)	123 (3124)	123 (3124)	121 (3073)	121 (3073)
Clearance w/Bucket Dumped - in. (mm)	(C) 85 (2159)	85 (2159)	87 (2210)	87 (2210)	97 (2464)	97 (2464)	96 (2438)	96 (2438)
Reach @ Max. Lift Height - in. (mm)	(D) 30 (762)	30 (762)	38 (965)	38 (965)	47 (1194)	47 (1194)	25 (635)	25 (635)
Max. Dump Angle - degrees	(E) 65	64	61	60	57	56	55	53
Reach @ Ground Line - in. (mm)	(F) 86 (2184)	86 (2184)	85 (2159)	85 (2159)	92 (2337)	92 (2337)	93 (2362)	93 (2362)
Bucket Rollback Angle - degrees	(G) 45	45	46	46	46	46	50	50
Digging Depth - in. (mm)	(H) 8 (203)	8 (203)	6 (152)	6 (152)	6 (152)	6 (152)	7 (178)	7 (178)
Raising Time - sec	3.3	3.3	3.9	3.9	4.1	3.6	4.1	3.6
Lowering time - sec	2	2	2.4	2.4	2.8	2.2	2.8	2.2
Bucket Dump Time - sec	3.5	2.4	4.1	2.8	3.5	2.4	3.5	2.4
Bucket Rollback Time - sec	2.4	2.4	2.8	2.8	2.4	2.4	2.4	2.4
Approx. Weight - lb. (kg) (Loader w/o bucket)	960 (435)	1115 (506)	945 (429)	1095 (497)	1040 (472)	1195 (542)	990 (449)	1150 (522)

Loader Model	830TL	830TL	830TL	830TL	840TL	840TL	840TL	840TL
Loader type - NSL or MSL	NSL	MSL	NSL	MSL	NSL	MSL	NSL	MSL
Tractor Family	TL-A	TL-A	TS-A	TS-A	TS-A	TS-A	TS-A (SS)	TS-A (SS)
Tractor Models	70-100	70-100	100-110	100-110	115-135	115-135	115-135	115-135
Lift Capacity @ Max. Height @800mm - lb. (kg)	3200 (1451)	3400 (1542)	3150 (1429)	3350 (1520)	3700 (1678)	3950 (1792)	3700 (1678)	3950 (1792)
Lift Capacity @ Max. Height @ Pins - lb. (kg)	4850 (2200)	4200 (1905)	4750 (2155)	4100 (1860)	5350 (2427)	4650 (2109)	5350 (2427)	4650 (2109)
Lift Capacity @ 59 in high @800mm - lb. (kg)	3650 (1656)	3850 (1746)	3550 (1610)	3800 (1724)	4200 (1905)	4400 (1996)	4200 (1905)	4400 (1996)
Lift Capacity @ 59 in high @ Pins - lb. (kg)	5500 (2495)	4750 (2155)	5400 (2449)	4650 (2109)	6050 (2744)	5250 (2381)	6050 (2744)	5250 (2381)
Breakout Force @800mm - lb. (kg)	3850 (1746)	4200 (1905)	3800 (1724)	4100 (1860)	4400 (1996)	4750 (2155)	4400 (1996)	4750 (2155)
Breakout Force @ Pins - lb. (kg)	5950 (2699)	5050 (2291)	5850 (2654)	5000 (2268)	6500 (2948)	5600 (2540)	6500 (2948)	5600 (2540)
Max. Lift Height - in. (mm)	(A) 144 (3658)	144 (3658)	145 (3683)	145 (3683)	154 (3912)	154 (3912)	154 (3912)	154 (3912)
Max. Lift Height Under Level bucket - in. (mm)	(B) 132 (3353)	132 (3353)	133 (3378)	133 (3378)	142 (3607)	142 (3607)	142 (3607)	142 (3607)
Clearance w/Bucket Dumped - in. (mm)	(C) 106 (2692)	106 (2692)	107 (2718)	107 (2718)	116 (2946)	116 (2946)	123 (3124)	123 (3124)
Reach @ Max. Lift Height - in. (mm)	(D) 34 (864)	34 (864)	31 (787)	31 (787)	31 (787)	31 (787)	38 (965)	38 (965)
Max. Dump Angle - degrees	(E) 59	58	63	62	57	56	57	56
Reach @ Ground Line - in. (mm)	(F) 98 (2489)	98 (2489)	92 (2337)	92 (2337)	100 (2540)	100 (2540)	102 (2591)	102 (2591)
Bucket Rollback Angle - degrees	(G) 46	46	43	43	45	45	45	45
Digging Depth - in. (mm)	(H) 7 (178)	7 (178)	8 (203)	8 (203)	8 (203)	8 (203)	8 (203)	8 (203)
Raising Time - sec	5.4	4.7	4.1	3.6	3.8	3.4	3.8	3.4
Lowering time - sec	4.1	3.4	3	2.5	3	2.5	3	2.5
Bucket Dump Time - sec	4.6	3.4	3.4	2.6	2.9	2.1	2.9	2.1
Bucket Rollback Time - sec	3.4	3.4	2.6	2.6	2.1	2.1	2.1	2.1
Approx. Weight - lb. (kg) (Loader w/o bucket)	1135 (515)	1290 (585)	1135 (515)	1290 (585)	1220 (553)	1370 (621)	1220 (553)	1370 (621)

NSL = non self leveling MSL = mechanical self leveling (ss) = SuperSteer

NOTES: Specification based



The simple, no-tools Quick Lock system makes it easy to mount or dismount the 800TL loader. Since the pin and safety mechanism stay with the loader, there's no searching for parts. Quick Lock uses a simple, spring-loaded design to engage the sturdy 1.6-inch (40mm) locking pin. A green indicator on the inside of the loader arm lets you know the loader is locked in position and ready to use.



800TL loaders provide outstanding visibility to the bucket and surrounding work area to boost your comfort and productivity.



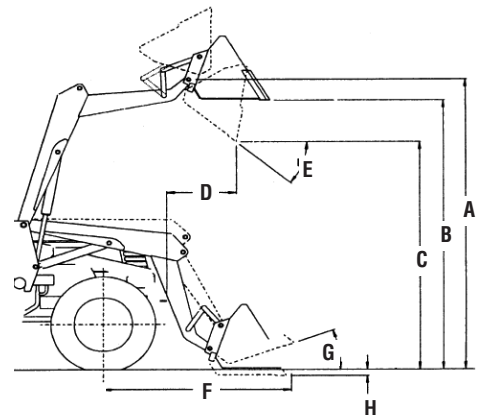
The E-Command™ joystick (optional for TS-A, TM and TG tractors) gives you complete fingertip control for all loader movements as well as for additional equipment that requires third and fourth hydraulic functions. E-Command oil-flow can be programmed for maximum efficiency with attachments and includes a slow setting for added control during precision work. The built-in wrist support gives you complete control with minimum movement and fatigue.

820TL	820TL	820TL	820TL
NSL	MSL	NSL	MSL
TDD	TDD	TL-A	TL-A
75-95	75-95	70-100	70-100
2500 (1134)	2650 (1202)	2500 (1134)	2650 (1202)
3850 (1746)	3300 (1497)	3850 (1746)	3300 (1497)
2850 (1293)	3100 (1406)	2850 (1293)	3100 (1406)
4400 (1996)	3750 (1701)	4400 (1996)	3750 (1701)
3100 (1406)	3300 (1497)	3100 (1406)	3300 (1497)
4850 (2200)	3950 (1792)	4850 (2200)	3950 (1792)
136 (3454)	136 (3454)	136 (3454)	136 (3454)
124 (3150)	124 (3150)	124 (3150)	124 (3150)
98 (2489)	98 (2489)	98 (2489)	98 (2489)
36 (914)	36 (914)	33 (838)	33 (838)
58	57	57	56
88 (2235)	88 (2235)	90 (2286)	90 (2286)
45	45	46	46
5 (127)	5 (127)	5 (127)	5 (127)
4.1	3.6	4.1	3.6
2.8	2.2	2.8	2.2
3.5	2.4	3.5	2.4
2.4	2.4	2.4	2.4
990 (449)	1150 (522)	990 (449)	1150 (522)



Located inside the loader torque tube, Soft Ride serves as a progressive shock absorber to dampen shock loads transmitted to the tractor to allow for smoother operation and maneuvering. Choose between three manual positions – closed, open in both positions (shock absorber up and down) or shock absorber down only (so that you get full power in the loader's downward movement).

850TL	850TL	850TL	850TL	860TL	870TL	870TL
NSL	MSL	NSL	MSL	MSL	MSL	MSL
TM	TM	TM (SS)	TM (SS)	TM	TG	TG (SS)
120-155	120-155	120-155	120-155	175-190	215-305	215-305
4300 (1950)	4650 (2109)	4300 (1950)	4650 (2109)	4900 (2223)	5250 (2381)	5250 (2381)
6050 (2744)	5350 (2427)	6050 (2744)	5350 (2427)	5450 (2472)	5950 (2699)	5950 (2699)
4750 (2155)	5100 (2313)	4750 (2155)	5100 (2313)	5450 (2472)	6500 (2948)	6500 (2948)
6750 (3062)	5950 (2699)	6750 (3062)	5950 (2699)	6300 (2858)	7550 (3425)	7550 (3425)
5000 (2268)	5350 (2427)	5000 (2268)	5350 (2427)	5800 (2631)	7000 (3175)	7000 (3175)
7200 (3266)	6300 (2858)	7200 (3266)	6300 (2858)	6650 (3016)	8150 (3697)	8150 (3697)
167 (4242)	167 (4242)	167 (4242)	167 (4242)	176 (4470)	187 (4750)	187 (4750)
155 (3937)	155 (3937)	155 (3937)	155 (3937)	164 (4166)	175 (4445)	175 (4445)
129 (3277)	129 (3277)	136 (3454)	136 (3454)	138 (3505)	150 (3810)	150 (3810)
31 (787)	31 (787)	38 (965)	38 (965)	31 (787)	35 (889)	65 (1651)
56	55	56	55	45	57	58
107 (2718)	108 (2743)	108 (2743)	107 (2718)	115 (2921)	109 (2769)	109 (2769)
43	43	43	43	45	38	38
5 (127)	5 (127)	5 (127)	5 (127)	7 (178)	6 (152)	6 (152)
4.6	4.1	4.6	4.1	4.6	3.4	3.4
3.7	3.2	3.7	3.2	3.7	2.7	2.7
3.2	2.5	3.2	2.5	2.9	1.8	1.8
2.5	2.5	2.5	2.5	2.9	1.8	1.8
1385 (628)	1570 (712)	1385 (628)	1570 (712)	1675 (760)	1780 (807)	1780 (807)



Over 70 attachments

Wide selection of attachments gives you on-the-job versatility



Quick Attach Material Buckets



HD Round Bale King Bucket & Grapple



HD Silage King Fork & Grapple



HD Silage King Block Cutter & Grapple



HD Bale Grip



HD Round or Square Plastic Wrap Bale Grip



Multi Use Fork



Pallet Forks



Square Bale Forks



Manure Fork

Available 800TL Series Attachments

(see your New Holland dealer for specific loader applications)

Standard Material Buckets	63" - 102"
Heavy-Duty Material Buckets	73" - 102"
Heavy-Duty Material Bucket w/Teeth	63" - 83"
Standard High Capacity Material Bucket	79" - 102"
High Tipping Bucket	91"
Heavy-Duty Grading Bucket	85"
Manure Fork	59" - 90"
Multi Use Fork	59" & 79"
Rock Fork	59" & 79"
Pallet Fork	38" & 47"
Pallet Fork Attachments	Log Grapple, Bale Spike & Lift Arm
Heavy-Duty Silage King bucket and grapple	63" - 79"
Heavy-Duty Silage King Fork and Grapple	51" - 98"
Heavy-Duty Silage Block Cutter and Grapple	44" - 75"
Heavy-Duty Bale Grip	63" & 79"
Universal Bale Grip	51" & 63"
Combo Bale/Pallet Fork	71"
Bale Support for Combo Bale/ Pallet Fork	
Heavy-Duty Round or Square plastic wrapped bale grip	Bale size 23" - 80"
Bale Split Attachment	STD & HD
Bale spike	
Round and Large Square Bale Fork	2 Tines
Square Bale Fork	55" & 75"
Heavy-Duty 'Round Bale King' Buckets	
with Tines & Grapple	83" - 102"
with Tine Holder	83" - 102"
with Grapple and Extended Floor	83" - 102"
less Tine holders	83" - 102"

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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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