

TD

STRADDLE MOUNT TRACTORS

TD80 | TD90 | TD95



Engineered to let you work effectively and effortlessly.

Transmissions to suite a wide range of applications

TD Straddle tractors are equipped as standard with the proven 12x12, 30kph Synchro Shuttle™ 30 kph transmission. TD80 can also be equipped with the 12x4, 30kph Synchro Command™ option. All models can be optionally required with the 20x12, 30kph Synchro Shuttle™ transmission with Creeper, ideal for precision, very low speed applications.



Maximum comfort and control come as standard

Easy to operate, the standard 12x12 Synchro Shuttle™ transmission features three ergonomic control levers, synchronised speed gears (1- 4) and 3 non synchronised ranges. The dedicated left hand Synchro Shuttle™ lever maximises operator's control, allowing quick and effortless direction changes, ideal for loader operations. Featuring helical cut gears and an overlapped gear train, ensuring smooth and precise gear changes, the TD Straddle transmission gearbox emits a very small amount of heat and noise, adding to your working comfort.



Highest quality components for maximum durability performance

TD Straddle transmissions' clutches are built with high quality Organic or Cerametallic components in order to ensure maximum durability for extended operating life and superior heat dissipation performance for the most arduous operating conditions.



Big horsepower becomes great working power

An independent PTO driveline takes the drive directly from the engine, ensuring a steady and efficient transfer of power, for maximum efficiency and minimal power losses. TD Straddle PTO is able to operate a wide range of equipment efficiently and economically.

PTO speeds to suit any requirement: the choice is yours

Standard PTO features 540 rpm speed. Options include 540/540E + ground speed and 540/1000 + ground speed. Whatever your choice, these independent, direct-driven PTOs operate any implement with ease and precision.



Mechanical clutch means reliability

Sturdy and reliable, the mechanical PTO clutch is operated by an ergonomic lever, allowing simple and safe PTO drive engagement. With the optional PTO speed selection lever it possible to choose engine driven speed or ground speed.

SPECIFICATIONS

Models		TD80	TD90	TD95
Engine		New Holland S8000		
No. of cylinders / Aspiration / Emission level		4 / Naturally / Tier 2	4 / Turbocharged / Tier 2	4 / Turbocharged / Tier 2
Capacity	(cm ³)	3908	3908	3908
Bore x stroke	(mm)	104x115	104x115	104x115
Rated engine power ISO TR14396 @ 2000/25/EC	(kW/hp(CV))	58.8/80	65.4/89	72.1/98
Rated engine speed	(rpm)	2500	2500	2500
Max. torque at 1500rpm	(Nm)	298	352	370
Torque rise	(%)	25	42	31
Fuel tank capacity	(l)	77	77	77
Transmission				
Synchro Command™ transmission - 30kph - Number of gears	(FxR)	12x4	-	-
Speed range	(kph)	1.7-30	-	-
Synchro Shuttle™ transmission - 30kph - Number of gears	(FxR)	12x12	12x12	12x12
Speed range	(kph)	1.7-30	1.7-30	1.8-30
Number of gears with creeper	(FxR)	20x12	20x12	20x12
Speed range with creeper	(kph)	0.25-30	0.25-30	0.25-30
Hydraulics				
Flexion Bar lower link draft sensing		●	●	●
Rear linkage category		II	II	II
Mechanical lift with Lift-O-Matic™		●	●	●
Position, draft, mixed and float controls		●	●	●
Hydraulic Pump flow – Standard	(lpm)	40.1	40.1	40.1
Hydraulic Pump flow – MegaFlow™	(lpm)	51.7	51.7	51.7
Steering pump flow	(lpm)	26.5	26.5	26.5
Max. number of remote valves		3	3	3
Linkage				
Maximum lift capacity at ball ends with arms horizontal	(kg)	3565	3565	3565
Continuous lift capacity through the range (610mm behind bar ends)	(kg)	2700	2700	2700
PTO				
540rpm	(rpm)	2200	2200	2200
540 Economy rpm	(rpm)	1715	1715	1715
1000rpm	(rpm)	2381	2381	2381
PTO activation		Mechanical	Mechanical	Mechanical
Turn angle 2WD / 4WD	(°)	55 / 50	55 / 50	- / 50
Min. turn radius 2WD / 4WD	(mm)	3900 / 5100	3900 / 5100	- / 5200
Dimensions				
A Overall length 2WD / 4WD	(mm)	3921 / 3865	3921 / 3865	- / 3948
B Minimum width	(mm)	1808	1808	1808
C Height at centre of rear axle to top of ROPS	(mm)	1788	1788	1788
D Total height with ROPS	(mm)	2488	2513	2558
E Wheelbase 2WD / 4WD		2248 / 2192	2248 / 2192	- / 2275
F Track width				
Front 2WD	(mm)	1405-1905	1405-1905	1485-1985
Front 4WD	(mm)	1560-2000	1560-2000	1560-2000
Rear min. / Max. (all axle types)	(mm)	1400-2000	1400-2000	1400-2000
G Ground clearance, front axle lowest point 2WD / 4WD	(mm)	525 / 390	555 / 415	- / 465
Weights				
Unballasted weight 2WD / 4WD	(kg)	2650 / 3080	2650 / 3080	- / 3250
Max. permissible weight on the front axle 2WD / 4WD	(kg)	2500 / 2800	2500 / 2900	- / 3000
Max. permissible weight on the rear axle	(kg)	4150	4150	4250

● Standard – Not available



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