

NEW HOLLAND TD

STRADDLE MOUNT TRACTORS

TD60 | TD70 | TD80 | TD90 | TD95





Power, reliability and economy generate full confidence.

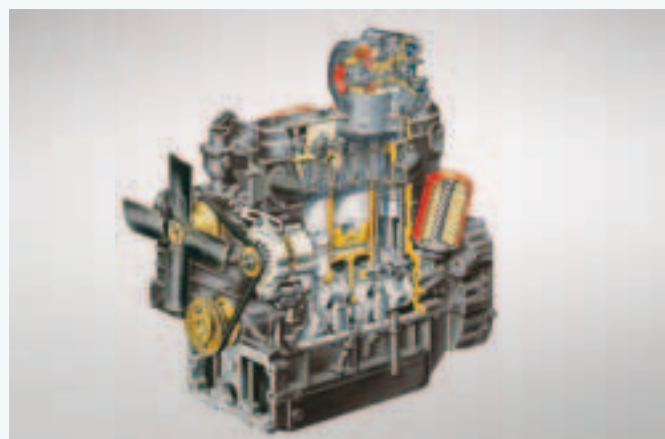
Best in class accessibility and easy serviceability

Thanks to the gas strut assisted, strong one-piece engine hood, daily checks and routine maintenance are easy and require less time, letting you spending more hours in the fields. The convenient position of the tool box, facilitates any servicing operation.



No-stop operation, lower operation cost

The generous fuel tank, with a total capacity of 77 litres, ensures long working shifts without the need to refuel. The Iveco based 8000 series water-cooled 3 & 4 cylinder diesel engines maximise and allow for longer service intervals, thus reducing your operation cost.



More power, less fuel, less noise

TD Straddle tractors are powered by Tier 2, water-cooled, 3 & 4 cylinder diesel engines from 59hp to 98hp. These proven Iveco based 8000 series engines are tuned to provide optimum power and torque performance in any condition, while ensuring high fuel efficiency, low fuel consumption and low emission levels. Their proven and durable built guarantees smooth running and low noise levels, adding to your daily working comfort.



The turbo advantage

Available on TD70, TD90 and TD95 models, the Iveco based 8000 series turbocharged engines are the right choice for those who need even higher performance. A two stage filter ensures optimum engine breathing and ease of servicing and an high capacity radiator coupled with large belt driven water pump guarantees constant cooling performance. Particularly suited to work at altitude and in extreme conditions, these state-of-the art engines have very low emission levels and low fuel consumption.

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. TD60, TD70 and TD80 can 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.

Strength and promptness are the answer.

4wd front axle

Designed for maximum strength and load carrying capacity, the TD Straddle 4WD front axle delivers both maximum traction and high manoeuvrability and features mechanical 4WD engagement for improved traction in poor conditions. This capacity is further improved by the front limited slip. Standard on TD60 and TD70 models, and available on request on TD80, TD90 and TD95, this automatically engaged feature also decreases fuel consumption, minimizes tyre wear and reduces the risk of damaging the soil.

2wd front axle

The ideal choice when maximum manoeuvrability and top agility are essential, the TD Straddle 2WD front axle features a massive 55° turning angle and benefits from a fully independent and dedicated 26.5 l/min steering pump. This means easier end-of-the-rows turns and simpler movements in confined spaces. 7 different track settings are available.



Impressive stopping power

The mechanically actuated, wet disc brakes deliver powerful, progressive braking effect for safe operation in any environment. Acting on service brakes, the easy-to-use parking brake holds safely the tractor still, even on slopes and with a trailer on tow.

High capacity for high efficiency

Two pumps are better the one

The open-centre hydraulic system features two separate pumps. A dedicate 40.1 l/min high pressure pump for rear lift and remote valve circuits, with a MegaFlow™ 51.7 l/min pump available as an option. The 26.5 l/min gear pump is totally devoted to operate the power steering, so the hydraulic performance of implements is never affected.



Massive lift capacity

With a rear lift capacity of 3,000kg on TD60 and TD70, and of 3,565kg on TD80, TD90 and TD95, you can manage even the heaviest implements with maximum ease and confidence.



Up to three remote valves

TD Straddle tractors can be fitted with up to three rear auxiliary remote valves, in order to operate the most demanding implements. Three types of valves are available: single to double acting, single to double acting with float position, single to double acting with float position and kick out. Remote valves levers location on the driver's right side, together with color-coding of both levers and remote valves, make implements coupling and operation easier and far more comfortable.



Lift-O-Matic™ system makes your work and life easier

The proven and world-renowned New Holland Lift-O-Matic™ system allows to easily raise an implement and then lower it at same pre-set position. Working in conjunction with the Mechanical Draft Control, it ensures accurate positioning of implement (with draft, mixed and float positions) and optimum draft control of soil engaging tools.

SPECIFICATIONS

MODELS		TD60	TD70	TD80	TD90	TD95
Engine		New Holland S8000				
No. of cylinders / Aspiration / Emission level		3 / Naturally / Tier 2	3 / Turbocharged / Tier 2	4 / Naturally / Tier 2	4 / Turbocharged / Tier 2	4 / Turbocharged / Tier 2
Capacity	(cm ³)	2931	2931	3908	3908	3908
Bore x stroke	(mm)	104x115	104x115	104x115	104x115	104x115
Rated engine power ISO TR14396 @ 2000/25/EC	(kW/hp(CV))	43.4 / 59	50.7 / 69	58.8 / 80	65.4 / 89	72.1 / 98
Rated engine speed	(rpm)	2500	2500	2500	2500	2500
Max. torque at 1500rpm	(Nm)	219	272	298	352	370
Torque rise	(%)	29	41	25	42	31
Fuel tank capacity	(l)	77	77	77	77	77
Transmission						
Synchro Command™ transmission - 30kph - Number of gears	(FxR)	12x4	12x4	12x4	-	-
Speed range	(kph)	1.6-30	1.7-30	1.7-30	-	-
Synchro Shuttle™ transmission - 30kph - Number of gears	(FxR)	12x12	12x12	12x12	12x12	12x12
Speed range	(kph)	1.6-30	1.7-30	1.7-30	1.7-30	1.8-30
Number of gears with creeper	(FxR)	20x12	20x12	20x12	20x12	20x12
Speed range with creeper	(kph)	0.25-30	0.25-30	0.25-30	0.25-30	0.25-30
Hydraulics						
Flexion Bar lower link draft sensing		●	●	●	●	●
Rear linkage category		II	II	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	40.1	40.1
Hydraulic Pump flow – MegaFlow™	(lpm)	51.7	51.7	51.7	51.7	51.7
Steering pump flow	(lpm)	26.5	26.5	26.5	26.5	26.5
Max. number of remote valves		3	3	3	3	3
Linkage						
Maximum lift capacity at ball ends with arms horizontal	(kg)	3000	3000	3565	3565	3565
Continuous lift capacity through the range (610mm behind bar ends)	(kg)	2260	2260	2700	2700	2700
PTO						
540rpm	(rpm)	2200	2200	2200	2200	2200
540 Economy rpm	(rpm)	1715	1715	1715	1715	1715
1000rpm	(rpm)	2381	2381	2381	2381	2381
PTO activation		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Turn angle 2WD / 4WD	(°)	55 / 50	55 / 50	55 / 50	55 / 50	55 / 50
Min. turn radius 2WD / 4WD	(mm)	3800 / 4900	3800 / 4900	3900 / 5100	3900 / 5100	3900 / 5200
Dimensions						
A Overall length 2WD / 4WD	(mm)	3791 / 3735	3791 / 3735	3921 / 3865	3921 / 3865	4004 / 3948
B Minimum width	(mm)	1808	1808	1808	1808	1808
C Height at centre of rear axle to top of ROPS	(mm)	1788	1788	1788	1788	1788
D Total height with ROPS	(mm)	2438	2463	2488	2513	2558
E Wheelbase 2WD / 4WD		2118 / 2062	2118 / 2062	2248 / 2192	2248 / 2192	2331 / 2275
F Track width						
Front 2WD	(mm)	1410-1910	1410-1910	1405-1905	1405-1905	1485-1985
Front 4WD	(mm)	1445-1875	1445-1875	1560-2000	1560-2000	1560-2000
Rear min. / Max. (all axle types)	(mm)	1425-1925	1425-1925	1400-2000	1400-2000	1400-2000
G Ground clearance, front axle lowest point 2WD / 4WD	(mm)	495 / 340	525 / 365	525 / 390	555 / 415	575 / 465
Weights						
Unballasted weight 2WD / 4WD	(kg)	2320 / 2560	2320 / 2560	2650 / 3080	2650 / 3080	2820 / 3250
Max. permissible weight on the front axle 2WD / 4WD	(kg)	2400 / 2650	2400 / 2650	2500 / 2800	2500 / 2900	2600 / 3000
Max. permissible weight on the rear axle	(kg)	4000	4000	4150	4150	4250

● Standard – Not available



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