



# NEW HOLLAND TDD PLUS

TD80D PLUS | TD90D PLUS





# COMMON SENSE TRACTORS WITH HEAD TURNING LOOKS.



Series TDD Plus tractors match great looks with class leading ergonomics, low noise, excellent comfort, brilliant service access and superb all-round visibility. Take a look at the operating environment. Low effort suspended pedals are fitted, reducing noise coming up through the suspended floor platform. The Lift-O-Matic™ and hydraulic controls are positioned so they are easy to reach. The gear levers are shaped to make them easier to use. The PTO control is also more easy to operate with no buttons to push. No other tractor in its class can match the ergonomic excellence of a TDD Plus. Then take a look at the specifications offered. Synchro Shuttle™ transmissions, with creep speeds, plus a choice of 30kph or 40kph transport speeds are all available. Consider the design detail. The engine air filter and exhaust muffler are mounted under the single-piece engine hood to provide a clear view over the front of the tractor. The stylish cab features large glazed doors to make getting in and out easier and offer an excellent field of vision to the sides. With Series TDD Plus tractors, beauty is more than skin deep.







### **Modern style, traditional simplicity**

New Holland Series TDD Plus tractors combine simple operation and maintenance with the benefits of modern comfort, attractive styling and a choice of features. The transmission choice covers all type of applications with the Synchro Shuttle™ and creeper 20x12 as standard. Series TDD Plus can be specified with 2WD (indent only) or 4WD as standard.

### **Proven efficiency**

The rugged mechanical hydraulics are extremely efficient. The best in class rear linkage offers a high lift capacity and proven features that include the Lift-O-Matic™ and Flexion Bar systems. Up to four rear and two mid-mount couplers can be specified.



### **Tractors to match your needs**

The New Holland Series TDD Plus tractor range offers a choice of specification to meet the diverse needs of customers. A suspended, flat floor platform is standard on less cab models for improved levels of comfort and reduced vibration.

The cabbed models offer an excellent field of vision and class leading levels of comfort. Air conditioning is available.

**CAB.**

## **PUTTING THE OPERATOR IN COMFORTABLE CONTROL.**



New Holland puts operator comfort high on its list of design priorities. The control levers have comfortable, hand-friendly grips. The features that are used frequently, such as Lift-O-Matic™, are positioned so they are easy to reach. The flat floor is mounted on isolation blocks and the foot pedals are suspended; two features that combine to reduce heat, noise and vibration penetrating the operating area. A high quality seat, that adjusts quickly and easily to suit all shapes and sizes of operator, comes as standard. Then there is the excellent visibility to the sides, front and rear. With TDD Plus, "First Class" accommodation is the standard.







### **Every control within easy reach**

It does not take long to become familiar with the control layout of TDD Plus tractors. Every function, from the PTO and gear levers to the rear linkage and Lift-O-Matic™ controls, are positioned in a logical and easy to reach position. Within a short space of time, operators new to a TDD Plus tractor will work with familiar ease. Of equal importance, New Holland quality helps ensure everything moves with well oiled precision.

### **A cabbed tractor with less-cab visibility**

Series TDD Plus cabbed tractors benefit from a modern stylish cab with fully glazed doors and opening curved rear side windows. By combining narrow pillars with a large glazed area, the cab offers an excellent all-round field of vision. Air conditioning is available.

### **Less-cab versatility**

Less cab models can be specified with a sun canopy. Designed to deflect noise from the operator, the canopy can be removed when access to low buildings is necessary.





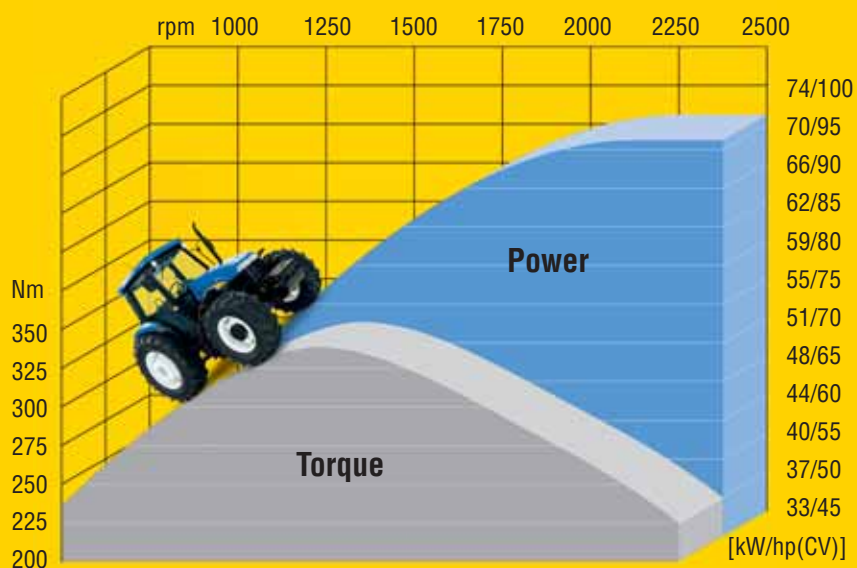
## ENGINE.

# NEW GENERATION OF MODERN AND ECONOMICAL ENGINES.

Specifically developed for agriculture by Iveco, the 3.9 litre four-cylinder engines powering Series TDD Plus tractors are all-new designs and can utilise biodiesel fuel B20 (EN12214 standard). Smooth, quiet and compliant with Tier II emission regulations, these engines offer excellent power and torque characteristics. Low fuel consumption and long service intervals help reduce whole life operating costs.







### Power and torque for versatile performance

With maximum power developed at 2500rpm and torque reserves as high as 33%, Series TDD Plus tractors are extremely versatile. For demanding draft and PTO applications, there is always power in reserve.

### Low level fuel filling

Series TDD Plus tractors are more than just good looking. Advanced features include a low level fuel tank that is easily filled. The tank has sufficient capacity for a full working day, even in the most demanding applications.

### Easy servicing

Daily maintenance and routine servicing are easier on Series TDD Plus. The narrow engine hood opens on gas struts to provide full engine access. All service filters are easy to reach and change. Looking after a TDD Plus tractor takes less time for lower whole life costs.





## TRANSMISSION. EFFICIENT, EASY TO USE AND VERSATILE.

Series TDD Plus tractor models are offered with a choice of transmissions to suit a broad range of applications. Based upon proven New Holland modules, TDD Plus tractors are specified with a Synchro Shuttle™ transmission with matched forward and reverse speeds, additional creep speeds as standard. Low power loss through the transmission is a key New Holland feature. This is achieved by careful design, reducing the number of gears that are engaged to produce a given operating speed. For durability, the constant mesh gears are helically cut. This feature helps reduce noise and vibration and is a key feature in ensuring maximum durability. The standard transmission features at 30kph transport ratio. Where local conditions allow, a 40kph transmission is available.



### The right speed for the job

The transmission design enables the operator to select a working ratio and then choose the right speed to match the job. If conditions change, the overlap between the speeds enables a different gear to be selected within the same ratio. Up to eight gears can be selected in the main working speeds between 4 - 12kph.

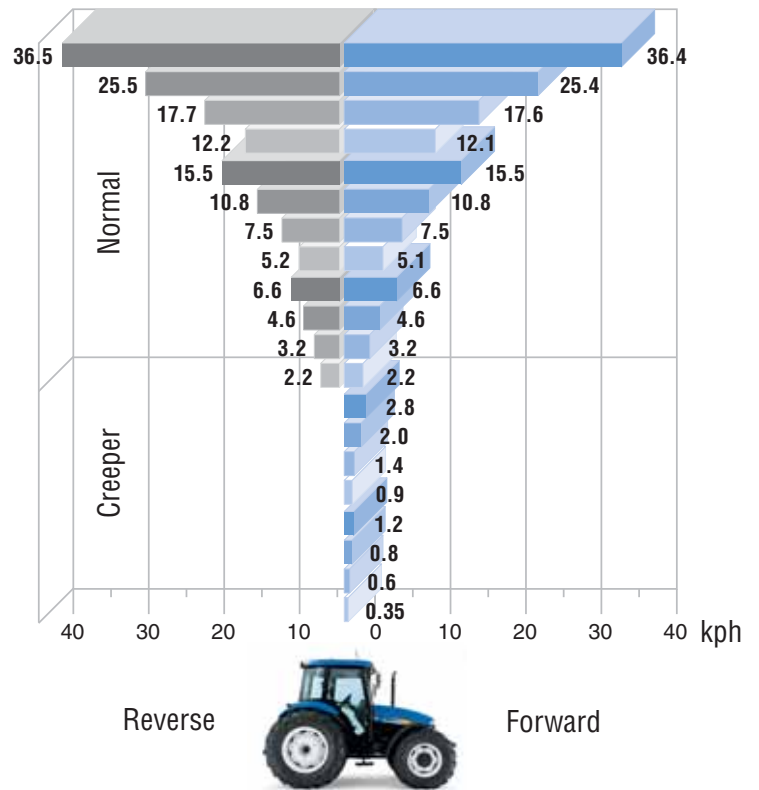






### Matched forward and reverse speeds

The 20x12 Synchro Shuttle™ transmission features a synchromesh reverse lever. Changing direction is fast and easy, with matched forward and reverse speeds. This enables turns to be made faster at the end of the field or when working with a front loader.



### Super Creep speeds as low as 250m/h

For low speed work, a 20x12 Super Creep transmission is fitted as standard. This increases the choice of forward ratios to suit the work in hand. A key Series TDD Plus feature is ease of operation. Selecting a low speed ratio is simple, enabling the operator to select the right speed quickly and easily.





## HYDRAULICS AND PTO. SIMPLY THE BEST.

Series TDD Plus offer easy to use performance. The powerful hydraulic system is simple to operate, with the linkage levers and colour coded remote valve levers mounted within easy reach of the operator. The fully independent PTO has a choice of operating speeds. Standard features include Lift-O-Matic™ rear linkage management system and a choice of up to four rear valves with a choice of flow control on third & fourth remotes and two mid-mount remote valves.







### **Proven linkage control**

All Series TDD Plus tractors feature New Holland's proven Flexion Bar™ lower link draft sensing. The system is simple to operate. It incorporates the Lift-O-Matic™ rear linkage control with lift height limit control for PTO shaft protection, which can be set by the operator to raise and lower an implement to pre-set heights via a single control, as standard. This reduces the number of operations that need to be made when turning at the end of the field and also ensures preset lift and lower heights are maintained.

### **Efficient and easy to use**

Series TDD Plus tractors feature a low power absorption, fully independent PTO system to minimise power losses and maximise efficiency. The PTO clutch is operated using a hand lever. This improved control hand clutch allows the operator to gradually feed PTO power to the implement. The two speed PTO selector is locked via a safety collar. Speeds available include ground speed, 540, 540E and 1000rpm.

### **More flow, greater control**

Series TDD Plus tractors are fitted with a dedicated, high capacity hydraulic pump. Delivering 40l/min, the standard pump capacity can be increased to 52l/min with the optional MegaFlow™ pump (standard equipment in New Zealand). All models are equipped with a dedicated steering pump with 26.5l/min capacity to keep all the main pump flow available for hydraulic implements.



## **TRACTION. LIGHT AND MANOEUVRABLE, TOUGH AND DEPENDABLE.**

Light and manoeuvrable, Series TDD Plus tractors are well suited to applications such as baling and spraying. Models with 4WD also benefit from excellent traction. In adverse conditions, power can be directed to all wheels for optimum traction. Front fenders are also available. Choose the specification to match your application.



### **Four wheel drive for field and transport**

Four wheel drive models feature a high clearance, central differential front axle. Two steering cylinders and an extremely robust tracking rod are standard. This ensures the front wheels retain their alignment, even when operating in harsh environments. These heavy-duty front axles with double steering rams have been specially designed to withstand the stresses of front loader applications. Front brakes are standard on 4WD models.





### **Best traction for optimum performance**

In adverse conditions, the rear axle differential can be fully locked by the operator. The front differential lock is an automatic version, which engages and disengages automatically.

### **Excellent weight distribution**

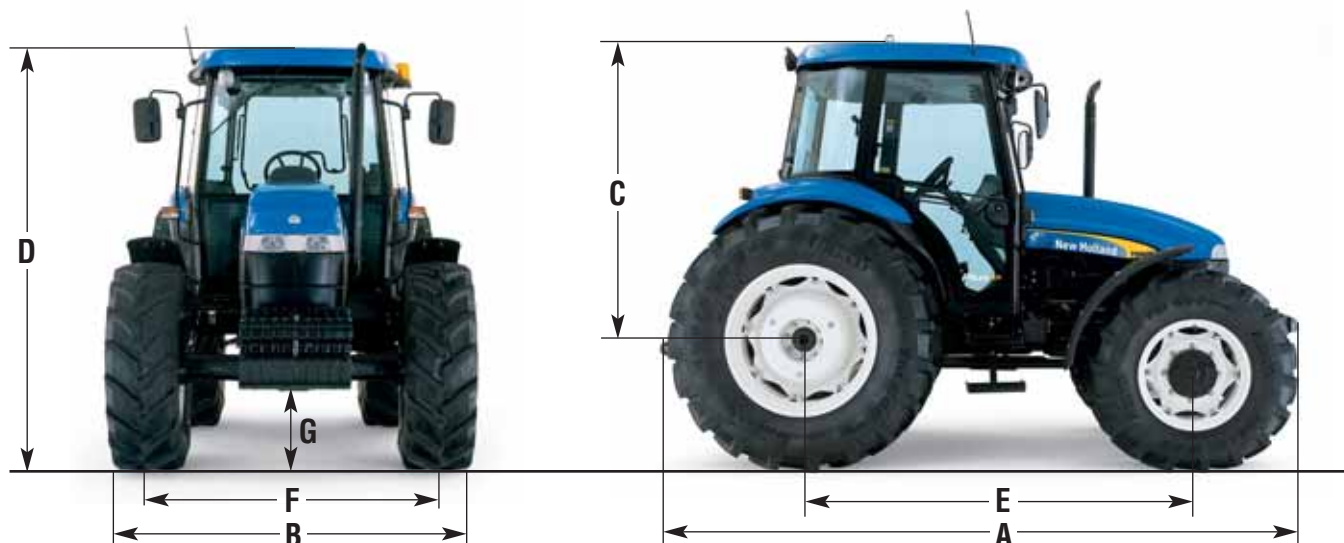
New Holland expertise in tractor design ensures the overall weight of a Series TDD Plus tractor is evenly distributed between the front and rear axles. For light tillage and operations such as baling, the tractor causes minimum soil compaction. In draft work, a combination of excellent traction, precise rear linkage control and excellent balance ensure optimum productivity.



Specifications	TD80D Plus	TD90D Plus
<b>Engine*</b>		
No. of cylinders / aspiration / emission level	4 / naturally / Tier II	4 / turbocharged / Tier II
Capacity (cm³)	3908	3908
Bore x stroke (mm)	104x115	104x115
Rated engine power ISO TR14396 – 2000/25/EC [kW/hp(CV)]	58.5 / 80	65.5 / 89
Rated engine speed (rpm)	2500	2500
Max. torque at 1500rpm (Nm)	279	320
Torque rise (%)	30	33
Fuel tank capacity (l)	92	92
<b>Synchro Command™ transmission - 30kph (Not available UK/ROI)</b>		
Number of gears (F - R)	12x4	–
Speed range (kph)	1.7-30	–
<b>Synchro Shuttle™ transmission - 30kph</b>		
Number of gears / with creeper (F - R)	12x12 / 20x12	–
Speed range / with creeper (kph)	1.8-30 / 0.25-30	–
<b>Synchro Shuttle™ transmission - 40kph</b>		
Number of gears / with creeper (F - R)	–	12x12 / 20x12
Speed range / with creeper (kph)	–	2.2-40 / 0.35-40
<b>Axles</b>		
2WD front axle	○	○
4WD front axle	●	●
<b>Hydraulics</b>		
Flexion Bar™ lower link draft sensing	●	●
Rear linkage category	II	II
Mechanical lift with Lift-O-Matic™	●	●
Position, draft, mixed and float controls	●	●
Main Pump flow - MegaFlow™ (standard NZ) (lpm)	52	52
Steering pump flow (lpm)	26.5	26.5
<b>Remote valves</b>		
Max. number	4 (two with flow control)	4 (two with flow control)
Mid mount couplers	○	○
<b>Linkage</b>		
Maximum lift capacity at ball ends with arms horizontal (kg)	3565	3565
Continuous lift capacity through the range (610mm behind bar ends) (kg)	2700	2700
<b>PTO</b>		
Engine speed at:		
540rpm (rpm)	2200	2200
540 Economy rpm (rpm)	1715	1715
1000rpm (rpm)	2380	2380
PTO activation	mechanical	mechanical
<b>Cab</b>		
Comfort driver seat	●	●
Air re-circulation filters	●	●
<b>Turning circle at narrowest track setting</b>		
Turn angle (°)	50	50
Min. turn radius (mm)	4100	4100



Specifications		TD80D Plus	TD90D Plus
<b>Dimensions**</b>			
<b>A</b> Overall length 2WD / 4WD	(mm)	4032 / 3976	4032 / 3976
<b>B</b> Minimum width	(mm)	1808	1808
<b>C</b> Height at centre of rear axle to top of Cab / ROPS	(mm)	1878 / 1896	1878 / 1896
<b>D</b> Total height Cab / ROPS	(mm)	2540 / 2558	2566 / 2584
<b>E</b> Wheelbase 2WD / 4WD		2305 / 2249	2305 / 2249
<b>F</b> Track width			
Front 2WD	(mm)	1410 - 1910	1410 - 1910
Front 4WD	(mm)	1550 - 1980	1550 - 1980
Rear Min. / Max. (all axle types)	(mm)	1420 - 2025	1420 - 2025
<b>G</b> Ground clearance under drawbar 2WD / 4WD	(mm)	285 / 292	346 / 333
<b>Weights**</b>			
Minimum weight cab 2WD / 4WD	(kg)	3170 / 3600	3170 / 3600
Minimum weight ROPS 2WD / 4WD	(kg)	2940 / 3420	2940 / 3420
Max. permissible weight on the front axle 2WD / 4WD	(kg)	2000 / 2800	2000 / 2800
Max. permissible weight on the rear axle	(kg)	4000	4000
* New Holland Engine developed by IVECO    ** National restrictions apply ● Standard    ○ Optional at extra cost    – Not available			





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