

TND-A, TNS-A

New Holland TND-A / TNS-A

Models TN60DA, TN75DA, TN60SA and TN75SA



NEW HOLLAND



Small in size. Big on features.

New Holland TND-A and TNS-A tractors have a proven heritage in the 59 to 76hp small tractor category. They are new versions of models that have a customer base spanning agriculture, municipalities, contractors, estate users, sports clubs and even industry.

Few models of tractor have as diverse a user base and can offer such a complete tractor package. This is because New Holland started with a clean sheet when it first conceived the TN family, with modular build enabling a wide choice of specification to be offered at affordable prices.

Combining advanced features with exceptional power to weight ratios, a TND-A or TNS-A tractor can be specified to satisfy a wide range of requirements.

Stylish second generation TND-A and TNS-A models feature Tier II compliant engines that are even quieter, more efficient and offer greater reserves of power than before. New features provide greater choice.

With TND-A and TNS-A tractors there is a model that will exactly meet your business needs.





A tractor for everyone

Only New Holland can offer such a broad specification choice in this tractor power class. TNS-A is fitted with the unique SuperSteer™ front axle system for the best manoeuvrability. Both TNS-A and TND-A models can be specified with a choice of transmission plus fully integrated front linkage and hydraulic packages to match a range of applications. A pressure sealed Blue Cab is also available. New Holland tractors match your demands.



Clean, smooth and economical power

The Tier II compliant three-cylinder engines powering TND-A and TNS-A tractors benefit from advanced fuel management to reduce emissions without compromising performance or fuel consumption. Rugged and dependable, the engines are designed to operate with low maintenance demands in all climate extremes.



Styled for visibility

Good all round visibility is important on small tractors used in confined areas and for applications demanding high levels of operator concentration. New Holland has styled TND-A and TNS-A tractors so the sloping engine hood, rounded fenders and fully glazed cab offer the best view to the front, side and rear. With New Holland, style goes beyond great looks.



Part of a proven family

New Holland Series TND-A and TNS-A tractors are members of the world renowned and award winning TN tractor family. Spanning the wide orchard TNF-A fruit tractor models through to the specialist narrow vineyard models, Series TN-A has a model for every application. Proven, dependable and economical, these stylish small tractors are the first choice for owners and operators.

Two ranges, six models and much more.

By building its TND-A and TNS-A tractors on a modular platform, New Holland is able to offer a wide specification choice without having to resort to special builds. With New Holland, choice comes as standard.

Pressurised Blue Cab

All models can be specified with a new pressurised Blue Cab. Both standard and Blue Cab versions offer best in class levels of noise suppression and class leading comfort.



Integrated front linkage system

A chassis mounted front linkage with 1000rpm PTO is available for TND-A tractors. The front linkage controls are fully integrated. Where specified on TNS-A models, the front linkage mounts directly to the front axle. This ensures accurate ground contour control in applications that include operating a snow clearance blade or front mower.

A transmission to suit your needs

Three main transmission types, Shuttle Command™, Split Command™ (not offered in UK/ROI) and Dual Command™ are available and each can be specified with additional creep speeds.

Power and control

A traditional mechanical or advanced Electronic Draft Control (not offered in UK/ROI) system can be specified.

As standard, a separate power steering pump and powerful hydraulic pump are fitted. For demanding applications, a 64 litre/min MegaFlow™ hydraulic pump is available.

Clean, reliable and economical

Powered by 2931cm³ Tier II compliant three-cylinder engines, TND-A and TNS-A tractors combine exceptional performance with low whole life operating costs. Depending on the model, the engines are naturally aspirated, lightly turbocharged or fully turbocharged.

More than just clean tight turns

TNS-A tractors are fitted with the unique New Holland SuperSteer™ front drive axle. A TNS-A tractor offers the best manoeuvrability of any tractor in its class. As standard, TNS-A tractors also feature the award winning New Holland automatic 4WD system. This advanced system improves stability and provides added control.



Small tractor dimensions, big tractor comfort.

Few small tractors can match TND-A and TNS-A for operator comfort. Despite its compact dimensions, the cab offers ample space and outstanding all-round visibility. The fully suspended seat is adjustable so that operators of every height and weight can settle down to work in comfort. To further reduce noise, heat and vibration, the cab is mounted on rubber isolation blocks and the floor lined with an acoustic shield mat. An integral passenger seat is available.



Pressure sealed Blue Cab for tough conditions

Blue Cab equipped tractors benefit from a pressurised cab sealing system. Only air that has been passed through the cab filtration system, which consists of large anti-pollen and air re-circulation filters, enters the cab.

In conjunction with the high performance air conditioning, the Blue Cab ensures the operator breathes clean filtered air that is at the desired temperature to suit working conditions.



Visibility to help productivity

A combination of narrow cab pillars and large, fully glazed doors ensures the operator can see all round the tractor when at work. This excellent visibility also helps ensure the cab feels large and airy, a vital point when day long operator comfort is a priority.





World beating ergonomics

New Holland has world beating expertise in designing the best cab layouts. With TND-A and TNS-A, all the main controls are positioned just where they are needed. Of equal importance, repetitive tasks are made easier as related controls are grouped close together. This helps reduce operator fatigue and increase ease of operation.



Air temperature to suit

Models specified with air conditioning have a full range of temperature adjustments to suit conditions and personal preference. The ventilation outlets can also direct incoming air to where it is required, with a variable speed fan providing full airflow adjustment.



Take in your surroundings

From the quality of the in-cab mouldings through to the high standard of fit and finish, the cab of all TND-A and TNS-A models is the small tractor benchmark. The comprehensive instrument panel provides full information on essential operating functions. The major controls are tactile to enhance their operation. With New Holland, style and substance go hand in hand.

Choice without complexity.

TND-A and TNS-A tractors are offered with a choice of three main transmissions, each having a creep speed option:

- **Dual Command™ transmission.** A 32 forward and 16 reverse speed (44+16 with creep) electro-hydraulic transmission with a gear split under load and a forward / reverse. Dual Command tractors have a power shuttle for smooth and easy direction change.
- **Split Command™ transmission (not offered in UK/ROI).** Based upon Dual Command, but with a clutched gear splitter and shuttle.
- **Shuttle Command™ transmission.** A rugged synchromesh 16 forward and 16 reverse speed (28+16 with creep) transmission with an easy to use clutched shuttle.

All transmission choices provide four full synchromesh gears in each working range with a speed overlap. Modular packages enable New Holland to offer creep speeds without the need for special builds or complex internal gear clusters.

Fully locking differentials

Both the front and rear axle differentials can be fully locked to prevent traction being lost to wheel spin in adverse conditions. This ensures 100% traction is available to increase productivity on steeply sloping land. Engagement is electro-hydraulic, with modulated control.





The right speed for the job

A key to maximising performance is having the right gear speed for the job. All three transmissions have a generous overlap between the gears within a working range, enabling the ideal ratio to be selected.



Creep speed option

Creep speeds as low as 160 metres/hour are available, enabling the tractor to carry out a wide range of precision operations. These transmissions are so flexible that this same low speed can be matched to a ratio offering a 40kph transport speed.



Dual Command™ transmission

The Dual Command™ transmission enables the operator to decrease the forward speed in any gear by 20%. This also increases torque at the wheels by 22%. This single ratio change can be made under full load without using the clutch. The electro-hydraulic PowerShuttle is fitted as standard and enables modulated changes in direction to be made, again without using the clutch. It is also possible to programme how fast the gear splitter and PowerShuttle functions operate.



Shuttle Command™ and Split Command™ transmissions

Shuttle Command™ transmissions offer matched forward and reverse speeds with a dedicated, left hand operated synchroneshuttle. Split Command™ (not available in UK/ROI) adds a synchronised mechanical reduction in each forward gear. This provides a 20% decrease in forward speed, and increases flexibility in changing working conditions.

Versatile PTO plus powerful hydraulics equals a full specification.

New Holland has unrivalled experience in developing tractors to match the demands of customers. TND-A and TNS-A models benefit from a choice of PTO and hydraulics specifications. Mechanical or electronic draft control (EDC) is offered (EDC not offered in UK/ROI) with a fully integrated front linkage and PTO system also available. Hydraulic pump capacity can also be increased to suit demanding applications.

New Holland builds tractors to match your demands.

Choice of speeds with award winning control

Up to four PTO speeds, 540, 540E, 1000 and ground speed, can be specified. Each speed is selected by a lever within the cab. PTO engagement is via the established award winning New Holland servo-assisted engagement lever. This reduces the operating pressure required to engage the clutch, making it a simple task to manually control the power fed to the implement.





High capacity hydraulic pump

A powerful 47.4 litre/min hydraulic pump is standard on TND-A and TNS-A tractors specified with Synchro Command™ and Split Command™ transmissions (not offered in UK/ROI). If additional hydraulic capacity is required, the 64 litre/min MegaFlow™ pump, fitted as standard to Dual Command™ tractors, can be specified. For maximum versatility, up to four remote valves are available, each offering four position settings. Mid-mount outlets are also available. All configurations are available with a joystick control.



Advanced Electronic Draft Control* for optimum performance

Easy to operate and of proven dependability, EDC is extremely easy to operate. A key advantage of the system is that it is easy to set up to suit different applications. This includes simple controls to limit an implement's working depth, lift height and lowering speed. Fender mounted lift and lower buttons are standard.

(* Not offered in UK/ROI)



Mechanical hydraulics with the Lift-O-Matic™ system

Where specified, the mechanical hydraulics feature proven Flexion Bar™ lower link draft sensing. This offers excellent weight transfer performance and easily adjusted sensitivity. The Lift-O-Matic™ system enables an implement to be raised and lowered to its previous setting using a single control.

Powerful front linkage and PTO

All models can be specified with a purpose designed Cat II front linkage and 1000rpm PTO system. A key feature of the system is its ease of operation, the raise and lower



control being integrated with the rear linkage controls. The stylish engine hood offers excellent visibility of front mounted implements.

Rear linkage to suit your application

The rear linkage is fully adjustable. Two positions enable lift-out height to be altered and a third slotted position provides limited lower link float.

Adjustable to match Cat I or Cat II implements, the lower links can also be specified with a choice of fixed or quick hitch link ends.



Advanced features for maximum productivity.

TND-A and TNS-A tractors share the same engine, transmission, hydraulic, cab and rear axle modules. TND-A models have a standard 55 degree turn angle driven front axle. The turn radius is as little as 3.81m. TNS-A tractors feature the acclaimed New Holland SuperSteer™ front axle. As the front wheels turn, the front axle pivots to increase the effective steering angle to 76 degrees for unbeatable manoeuvrability. Without brakes, a TNS-A tractor is able to turn within 3.41m. An additional feature of TNS-A models is the award winning New Holland automatic four-wheel drive system. This engages front axle drive automatically in arduous conditions.



Automatic four-wheel drive

TNS-A models feature fully automatic four-wheel drive management. Four-wheel drive is automatically engaged if rear wheel slip exceeds 5% relative to the front wheels. Four-wheel drive is also activated when both brake pedals are pressed together in transport. The system provides added control and security. The system automatically disengages four-wheel drive when forward speed exceeds 24kph and/or the steering angle exceeds 50 degrees. Both are overridden as necessary to stabilise the tractor. In most applications, drive is transmitted via the rear wheels only to reduce fuel consumption and tyre wear. A system override is standard.

SuperSteer™ front axle

The TNS-A's SuperSteer™ front axle delivers truly outstanding agility. As the front wheels turn, the SuperSteer™ front axle articulates and so increases the front wheels' turn angle, even at narrow track settings.

This results in TNS-A models turning into work faster and needing less room to manoeuvre. The front wheels do not scrub, reducing damage during tight manoeuvres on sensitive surfaces.



Front axle brakes

Oil immersed front axle brakes can be specified. Under braking, drive is automatically transmitted to the front drive axle for added stability. Few tractors in this category can be specified to stop as effectively, both in transport or in difficult terrain.



Advanced features if you need them

The front and rear axle positive locking differentials can be linked to the electronic draft control, EDC (not offered in UK/ROI), system on certain models to automatically release as soon as the rear linkage is raised. This leaves the operator free to concentrate on making the headland turn.



Specifications.

		TN60DA	TN70DA	TN75DA	TN60SA	TN70SA	TN75SA
Engine		Iveco	Iveco	Iveco	Iveco	Iveco	Iveco
No of cylinders / capacity	(n°/cm³)	3 / 2930	3 / 2930	3 / 2930	3 / 2930	3 / 2930	3 / 2930
Aspiration		natural	turbocharged (light press.)	turbocharged	natural	turbocharged (light press.)	turbocharged
Power ISO TR14396 - 2000 / 25 / EC at 2300 rpm	[kW/hp(CV)]	43.5 / 59	53 / 72	55.5 / 76	43.5 / 59	53 / 72	55.5 / 76
Torque reserve	(%)	26	32	37	26	32	37
Fuel consumption	(gr/kw/h)	209	212	210	209	212	210
Emissions level		Tier II	Tier II	Tier II	Tier II	Tier II	Tier II
Cooling method		Water / oil	Water / oil	Water / oil	Water / oil	Water / oil	Water / oil
Fuel tank capacity	(l)	75	75	75	75	75	75
Transmission							
Standard transmission	Shuttle Command	16 x 16	16 x 16	16 x 16	16 x 16	16 x 16	16 x 16
Creeper optional		28 x 16	28 x 16	28 x 16	28 x 16	28 x 16	28 x 16
Splitter optional transmission (***)	Split Command	32 x 16	32 x 16	32 x 16	32 x 16	32 x 16	32 x 16
HI-LO optional transmission	Dual Command	32 x 16	32 x 16	32 x 16	32 x 16	32 x 16	32 x 16
Creeper optional		44 x 16	44 x 16	44 x 16	44 x 16	44 x 16	44 x 16
Standard Minimum speed / creep	(km/h)	0.8 / 0.160	0.8 / 0.160	0.8 / 0.160	0.8 / 0.160	0.8 / 0.160	0.8 / 0.160
Max speed	(km/h)	40	40	40	40	40	40
Synchro reverse		●	●	●	●	●	●
Power shuttle (HI-LO)		●	●	●	●	●	●
Electronic calibration (HI-LO)		●	●	●	●	●	●
Electro-hydr. diff lock.		●	●	●	●	●	●
Epicycloidal reduction		●	●	●	●	●	●
Oil immersed braking system		●	●	●	●	●	●
4WD							
Coaxial type		●	●	●	–	–	–
2 steering rams		–	–	–	●	●	●
Independent oil pump		●	●	●	●	●	●
Electro-hydr. diff lock.		●	●	●	●	●	●
Oil immersed braking system		○	○	○	○	○	○
Double braking system		○	○	○	○	○	○
Steering angle	(°)	55	55	55	–	–	–
Turn radius	(mm)	3800	3800	3800	–	–	–
Axle oscillation	(°)	11	11	11	–	–	–
SuperSteer TNS-A (AUTO 4WD)		–	–	–	●	●	●
Steering angle	(°)	–	–	–	76	76	76
Turn radius	(mm)	–	–	–	3150	3150	3150
Hydraulic system							
Standard flow	(lt/min)	47.4	47.4	47.4	47.4	47.4	47.4
Optional flow	(lt/min)	63.8	63.8	63.8	63.8	63.8	63.8
Mechanical draft control		●	●	●	●	●	●
Lower link draft sensing		●	●	●	●	●	●
Lift-O-Matic		●	●	●	●	●	●
Electronic Draft Control (EDC) (***)		○	○	○	○	○	○
Lift capacity at 610mm	(kg)	2100	2100	2100	2100	2100	2100
Max remotes		5	5	5	5	5	5
Front lift & PTO		○	○	○	○	○	○
PTO							
Servo-assisted engagement		●	●	●	●	●	●
Groundspeed		●	●	●	●	●	●
540 / 750		●	●	●	●	●	●
540 / 750 / 1000		○	○	○	○	○	○

Models TN70DA and TN70SA are not offered in UK/ROI.

		TN60DA	TN70DA	TN75DA	TN60SA	TN70SA	TN75SA
Operator environment							
Rubber isolation blocks		●	●	●	●	●	●
Lateral levers		●	●	●	●	●	●
Electronic instrumentation		●	●	●	●	●	●
Cab with A.C.		○	○	○	○	○	○
Blue Cab with A.C. and recirculation filters		○	○	○	○	○	○
Max noise level	(dBA)	78	78	78	78	78	78
Dimensions & weight (**)							
A Wheelbase 2WD	(mm)	2130	2130	2130	2130	2130	2130
A Wheelbase 4WD	(mm)	2065	2065	2065	2065	2065	2065
A Wheelbase SuperSteer	(mm)	–	–	–	2375	2375	2375
B Overall length 4WD	(mm)	3440	3440	3440	3750	3750	3750
C Centre axle / top of cab	(mm)	1672	1672	1672	1672	1672	1672
Weight 4WD CAB (*)	(kg)	2750	2850	2850	2950	3050	3050
D Front wheel 2WD track setting	(mm)	1352 - 1957	1352 - 1957	1352 - 1957	1352 - 1957	1352 - 1957	1352 - 1957
D Front wheel 4WD track setting	(mm)	1382 - 1920	1382 - 1920	1382 - 1920	1382 - 1920	1382 - 1920	1382 - 1920
E Rear wheel track setting	(mm)	1475 - 1920	1475 - 1920	1475 - 1920	1475 - 1920	1475 - 1920	1475 - 1920
F overall height (**)	(mm)	2302	2302	2302	2302	2302	2302

Models TN70DA and TN70SA are not offered in UK/ROI.

(*) with driver and full fuel tank (**) rear tyres 420/70-30 (SLR 630mm) (***) not offered UK/ROI

● Standard ○ Optional at extra cost – Not available



