

New Holland T4000F and T4000V Series Narrow Tractors 62 to 82 PTO hp



T4030F T4040F T4050F T4030V T4040V T4050V



Legendary performance, now even more advanced

A sleek, efficient, modern design expands the productivity of New Holland specialty tractors.

The T4000F and T4000V family of narrow tractors builds on the legendary performance and reliability of the TNF/TNF-A/TNV/TNV-A Series tractors by adding improvements in styling and technology. New Holland offers two different lines of specialty tractors that make you productive in the tight rows of orchards, vineyards and nut groves. The T4000F provides the most stable,

narrow platform able to handle these applications. But, if a T4000F tractor does not fit between your rows, the T4000V is specially designed for extremely narrow operations.

“Narrow” the field to the best choice

New Holland doesn't narrow your choices when it comes to a selection of features and options. Choose the

tractor with the drive system, transmission, steering system and operator station that works best for your operation. With the T4000F and T4000V tractors, versatility is key. You have the option of 2WD or FWD, open station (with rollbar) or cab, mechanical shuttle or clutchless power shuttle, narrow (T4000F) or extremely narrow (T4000V). Create the model that's the perfect fit for your application.

Model	PTO hp	16x16 transmission w/mech shuttle	16x16 transmission w/power shuttle	32x16 transmission w/power shuttle	2WD	FWD	SuperSteer™ FWD	Cab
T4030V	62	Base equip	Available	NA	Base equip	Available	NA	Available
T4030F	62	Base equip	Available	Available	Base equip	NA	Available	Available
T4040V	72	Base equip	Available	NA	Base equip	Available	NA	Available
T4040F	72	Base equip	Available	Available	Base equip	NA	Available	Available
T4050V	82	Base equip	Available	NA	Base equip	Available	NA	Available
T4050F	82	Base equip	Available	Available	Base equip	NA	Available	Available





The new New Holland T4050F has been named the "Best of Specialized" category of the "Tractor the Year" competition. The award recognizes technological excellence and product innovation in specialist orchard and vineyard tractors, and was presented at the EIMA International 2008 exhibition held in Bologna Italy.



T4000V Vineyard Tractors *Extremely narrow and productive*

With a minimum width between 42.5 and 49.0 inches, (depending on tire size), T4000V tractors are designed to fit perfectly between vineyard rows. Available with 2WD or FWD, T4000V tractors handle demanding applications with ample horsepower and hydraulic flow. Whether you choose the option of an open operator station with rollbar or an enclosed cab model, you can work with ease between even the tightest rows.

T4000F Narrow Tractors *Maneuverable power*

You can put big power to work in narrow rows with the new T4000F tractors from New Holland. You get up to 82 PTO horsepower in a package as narrow as 58.5 inches to handle heavy loads like sprayers and tillage equipment. The T4000F is the only tractor on the market to offer the end-of-row turning advantage of the SuperSteer™ FWD axle. The axle provides the benefit of an industry-exclusive 76-degree FWD turn angle and automatic Traction Management System. A 2WD axle is also available.

Smooth, responsive power



Fuel-efficient, Tier III engines and proven hydraulic systems power your productivity.

Powered by fuel-efficient, four-cylinder engines, T4000F and T4000V Series tractors pack a lot of brute power into a streamlined, narrow package. Durable construction and heavy-duty driveline components are a New Holland tradition.

Tier III compliant and 100% biodiesel approved!

All T4000F/V engines are Tier III emissions compliant to reduce the engine pollutants released into the air you breathe and around your crop. These engines are also approved for B100 biodiesel (must meet ASTM 6751 Standards), allowing you to use renewable fuel resources. Increased fuel tank capacity gets you through long days in the field.



Plenty of lugging power

T4000F and T4000V engines produce up to 39% torque rise to handle tough conditions and heavy loads while operating at a low 2300 rpm for added durability and low noise levels. A 195 cu. in. engine is used in the T4030F, T4030V, T4040F and T4040V models, while a 274 cu. in. engine is used for the T4050F and T4050V. All T4000F/V engines are both turbocharged and intercooled for maximum performance and fuel efficiency.

Two pumps provide ample flow

The T4000F/T4000V hydraulic system uses two separate open-center hydraulic circuits to ensure full flow for operating implements, three-point hitch, and other tractor operations. The T4030F and T4040F specialty tractors with the mechanical shuttle

offer a 12.8-gpm implement pump and a 7.2-gpm steering and services pump. These same models, when equipped with the optional power shuttle, as well as all T4050F and T4000V tractors feature a 17.2-gpm implement pump and a 9.2-gpm pump for steering and services. Up to three rear remotes can be added with an adjustable flow control on the number one remote. This adds versatility that allows you to operate hydraulic motors and other applications that do not require full hydraulic flow.

Big lift capacity

A 4,045 pound (SAE rated) rear three-point hitch lift capacity allows you to take full advantage of the largest implements for maximum productivity.

Quick lift

The New Holland Lift-O-Matic feature allows you to raise and lower three-point-mounted implements with the push of a button—a convenience not found on any competitive brand tractor. On the T4000V Series tractors, the Lift-O-Matic feature raises or lowers the implement completely, with height adjustments achieved with manual operation. T4000F Series tractors allow you to set the desired raise height and operating position for consistent results every time the hitch is raised or lowered.



Maximum performance in tight quarters

T4000F Series tractors combine the advantages of power and maneuverability with modern style and technology.



Three T4000F Series narrow models combine outstanding power and maneuverability with the narrow width, lower center of gravity and sleek design needed when working in the tight rows and close quarters of orchards and vineyards.

Crop friendly

New Holland designed T4000F Series tractors to travel smoothly through rows without damage to fruit or foliage. The sleek, narrow design of T4000F tractors includes the distinctive New Holland “cat’s eye” family styling with a sloped hood design, smooth grab rails, and flexible

fender extensions. Sloped engine side panels improve crop protection around the engine compartment. A horizontal exhaust and a muffler located under the hood prevent tangling in vines or branches. Non-cab tractors feature a foldable rollbar to lower operating height when necessary to fit under low branches or overhangs.

Friendly to operators, too

T4000F tractors are available with your choice of a roomy cab or operator platform. The T4000F cab has been redesigned to reduce the overall height by 5.2 inches versus the previous

TNF-A Series models, by relocating the air conditioner condenser under the hood. The T4000F cab is the most spacious available on narrow tractors today. Two doors allow for convenient entry and exit, and both front and rear windows can be opened for ventilation. Heat and air conditioning allow operators to be comfortable no matter what the weather or temperature. And, the deluxe, cloth-covered seat adjusts to fit the needs of each operator. A deluxe air filtration system with a high-capacity cab pressurization motor is standard equipment in the T4000F cab. Outside air passes through an anti-pollen filter,

and inside air is continuously cleaned through re-circulation filters for optimum air quality.

More transmission choices

Select from three smooth-shifting transmissions—the 16x16 Synchro Command™ transmission with a synchronized mechanical shuttle, the 16x16 Synchro Command™ transmission with a clutchless power shuttle or the 32x16 Dual Command™ transmission with a clutchless power shuttle. All three transmissions provide on-the-go shifting within each range. The Dual Command transmission provides the added convenience of a high/low shift with the push of a button—no clutching necessary. The power shuttle feature means there's no need to clutch when shuttling between forward and reverse. The new 16x16 power shuttle offers an economical option for operators who enjoy clutchless directional changes.



Long wheelbase

An exceptionally long wheelbase provides stability, better traction and a smoother, more comfortable ride.



Exclusive SuperSteer™ axle

The patented New Holland SuperSteer FWD axle articulates as the tractor turns, combining the standard 55° steering angle with 21° of axle articulation for an unmatched total turn angle of 76°, the best in the industry. You get the advantage of the shortest row-to-row turning.

Automatic traction control

The SuperSteer™ FWD option also includes the New Holland Traction Management System that engages FWD only when needed for optimum traction, braking and steering control. The system also monitors operation on hills to control loads when moving downhill, and engage FWD when extra traction is needed going uphill. An economical two-wheel-drive axle is also available if you work in conditions where the extra traction of FWD is not required.

Front end versatility

An optional front hitch and PTO is available for the T4050F to provide added versatility while operating between rows. The front hitch and PTO allows an operator to perform multiple tasks in one trip through the rows to maximize the efficiency of each pass.



Extremely narrow, extremely efficient

T4000V Series tractors boost your productivity in extremely narrow rows.

The compact size and New Holland Family “cat’s eye” styling of T4000V tractors makes them the perfect package for vineyards and orchards with extremely narrow rows. T4000V tractors are designed specifically to fit into the narrowest of plantings.

Less than 4 feet wide

New Holland T4000V Series tractors work in tight spaces that are too confined for other narrow tractors. The tire offerings for the T4000V models permit a minimum overall tractor width from 42.5 to 48.5 inches with rear fender extensions.

Low profile advantage

T4000V tractors also provide a low overall height in order to fit into



low clearance applications. The height of cab models has been reduced by 5.2 inches versus the previous TNV-A Series, with the relocation of the air conditioner condenser, providing a minimum height of 84.6 inches (depending on tire size). Open station tractors feature a mid-mount rollbar that folds down, permitting a minimal overall height of 50.8 inches.

The straddle-mount platform places the operator low on the tractor, so you can easily fit under low hanging vines or trellises.

A smooth ride

Isolation mounting on both cab and open station models provides a smooth ride with less vibration. The all-weather cab provides the added



comfort of heating and air conditioning. A deluxe air filtration package features an anti-pollen filter for external air, re-circulation vent filters for inside air and a high-capacity cab pressurization fan.

Convenient 16 x 16 shuttle transmission

With 16 speeds in both forward and reverse, T4000V tractors offer you more speed choices than competitive models, including operating speeds of less than .4 mph without a separate creeper range. The conven-

ient left-hand mechanical shuttle lever or optional clutchless power-shuttle allow for easy forward/reverse shuttle shifts, and free your right hand to operate implements.

Go where other tractors can't

The T4000V tractors are designed to be as narrow and low as possible and still have the stability that is needed. The T4000V has a straddle-mount platform that provides a low center of gravity for stability, while lowering the overall height of the tractor for improved clearance.

The long wheelbase and weight of the T4000V tractor gives it superior pulling power, allowing you to pull heavy loads or power up steep inclines. The radial tires offered in most of the tire packages provide a larger footprint which reduces compaction and increases traction. The combination of the stability, narrow width, low overall height, and long wheelbase allow the T4000V tractor to go where no other narrow tractor can.



Specifications

	T4030F / T4030V	T4040F / T4040V	T4050F / T4050V
ENGINE			
Type	4-cycle, diesel		
Make	New Holland		
Model	F5C	F5C	NEF
Cylinders / Aspiration	4, Turbocharged and Intercooled		
Displacement, cu. in. (L)	195 (3.2)	195 (3.2)	274 (4.5)
Block Type	Parent Bore		
Rated Speed, RPM	2300		
Gross Engine Horsepower†	76	87	95
PTO Horsepower†	62	72	82
Torque Rise‡	39%	30%	35%
Maximum Torque, lb.-ft. (Nm)†	243 (330) @ 1250 rpm	259 (352) @ 1250 rpm	293 (398) @ 1300 rpm
Emission Legislation	Tier III		
Fuel, Air and Lubrication System			
Injection Pump	Bosch VE, Rotary		
Injector Type	Direct		
Fuel Filter Type	... Dual stage fuel filtering system with water/sediment separator followed by a paper filter element cartridge ...		
Fuel Tank Capacity, gal. (L)	19.3		
Air Filter Type	Dry, Dual Element		
Service Interval††	500 hours	500 hours	600 hours
Muffler	Under hood		
Exhaust Outlet	Under right side of operator's station		
Transmission			
Transmissions:	Base: 16x16 with a Mechanical Shuttle Option 1: 16x16 with a Power Shuttle Option 2: 32x16 Dual Command with a Power Shuttle (T4000F Models only)		
Clutch Type / Size (Mechanical), in. (mm)	Dry, 11 (280) diameter, heavy-duty cerametallic material		
Clutch Type / Size (Electro-hydraulic), in. (mm)	Wet, six plates 5.2 (133), organic material		
Top Speed	Base: 30 KPH, Optional: 40 KPH (T4000F FWD models only)		
Front Axle			
2WD Front Axle			
Steering Angle, degrees	55 / 57	55 / 57	55 / 57
SuperSteer™ FWD Front Axle (T4000F only)			
Front Differential Lock	Fully locking, electro-hydraulic engaged		
Steering Angle, degrees	76 / NA	76 / NA	76 / NA
FWD Front Axle (T4000V only)			
Front Differential Lock	Fully locking, electro-hydraulic engaged		
Steering Angle, degrees	NA / 55	NA / 55	NA / 55
Electrical			
Battery, volts/cca	12/800		
Alternator, amps	120		
Cold Start Aid	Grid Heater		
Hydraulic System			
System Type	Open Center		
System Pressure, psi. (bar)	2755 (190)		
Implement Pump Flow, gpm. (L/Min)			
Base - Mechanical Shuttle	12.8 (48.6) / 17.2 (65)	12.8 (48.6) / 17.2 (65)	17.2 (65) / 17.2 (65)
Base - Power Shuttle	17.2 (65) / 17.2 (65)	17.2 (65) / 17.2 (65)	17.2 (65) / 17.2 (65)
Optional	17.2 (65) / NA	17.2 (65) / NA	NA / NA
Steering & Services Pump, gpm. (L/Min)			
Mechanical Shuttle	7.2 (27) / 9.2 (34.8)	7.2 (27) / 9.2 (34.8)	9.2 (34.8) / 9.2 (34.8)
Power Shuttle	9.2 (34.8) / 9.2 (34.8)	9.2 (34.8) / 9.2 (34.8)	9.2 (34.8) / 9.2 (34.8)
Remotes Valves	2 (Base), 3 (Optional, includes flow control)		
Draft Control	Mechanical		
Upper / Lower Limit Setting	Lift-O-Matic		
3-Pt Hitch Lift Capacity (24" behind lift point), lbs. (kg)	4045 (1835)		
Front Lift and PTO	NA / NA	NA / NA	Optional / NA
Rear PTO			
540/1000 RPM	Standard		
Engagement	Mechanical with Hydraulic Servo-Assist		

T4000F Performance, Weights and Dimensions

	T4030F	T4040F	T4050F
Turning Performance			
Turning Radius			
2WD – without Brakes, ft. (m)	.....	11.1 (3.4).....	.....
SuperSteer FWD – without Brakes, ft. (m)	.....	10.8 (3.3).....	.....
Turn Around Diameter			
2WD – without Brakes, ft. (m)	.....	13.3 (4.1).....	.....
SuperSteer FWD – without Brakes, ft. (m)	.....	8.4 (2.6).....	.....
Approximate Weights*			
2WD Less Cab, lbs. (kg)	6089 (2762)	6089 (2762)	6266 (2842)
2WD Cab, lbs. (kg)	6261 (2840)	6261 (2840)	6460 (2930)
SuperSteer FWD Less Cab, lbs. (kg)	6243 (2832)	6243 (2832)	6420 (2912)
SuperSteer FWD Cab, lbs. (kg)	6415 (2910)	6415 (2910)	6614 (3000)
Dimensions			
Platform Type – Cab / Rollbar	.....	Iso mounted, straddle platform.....	.....
Wheelbase			
2WD, in. (mm)	82.0 (2083)	82.0 (2083)	85.4 (2170)
SuperSteer FWD, in. (mm)	92.4 (2348)	92.4 (2348)	95.9 (2435)
Tire Track Widths*			
Front 2WD, in. (mm)	.....	45.1 (1146) – 63.5 (1612).....	.....
Front SuperSteer FWD, in. (mm)	.....	41.8 (1062) – 58.7 (1492).....	.....
Rear, in. (mm)	.....	43.6 (1108) – 61.0 (1550).....	.....
Min. Overall Width,** in. (mm)	.....	58.5 (1486).....	.....
Height to Top of Rollbar,*** in. (mm)	.....	89.5 (2274).....	.....
Height to Top of Dash,*** in. (mm)	.....	50.8 (1290).....	.....
Height to Top of Cab,*** in. (mm)	.....	85.5 (2173).....	.....

*Measurements may vary depending on tire size **with 380/70R24 tires ***with 380/70R20 tires

T4000V Performance, Weights and Dimensions

	T4030V	T4040V	T4050V
Turning Performance			
Turning Radius			
2WD – without Brakes, ft. (m)	.....	9.8 (3).....	.....
FWD – without Brakes, ft. (m)	.....	11.2 (3.4).....	.....
Approximate Weights*			
2WD Less Cab, lbs. (kg)	5108 (2317)	5108 (2317)	5307 (2407)
2WD Cab, lbs. (kg)	5421 (2459)	5421 (2459)	5580 (2531)
FWD Less Cab, lbs. (kg)	5661 (2568)	5661 (2568)	5878 (2666)
FWD Cab, lbs. (kg)	5975 (2710)	5975 (2710)	6151 (2790)
Dimensions			
Platform Type – Cab / Rollbar	.....	Iso mounted, straddle platform.....	.....
Wheelbase			
2WD, in. (mm)	81.9 (2079)	81.9 (2079)	85.3 (2166)
FWD, in. (mm)	82.4 (2093)	82.4 (2093)	85.8 (2180)
Tire Track Widths*			
Front 2WD, in. (mm)	.....	34.0 (864) – 42.4 (1076).....	.....
Front FWD, in. (mm)	.....	34.3 (871) – 41.3 (1049).....	.....
Rear, in. (mm)	.....	31.1 (791) – 49.6 (1261).....	.....
Min. Overall Width,** in. (mm)	.....	42.5 (1080).....	.....
Height to Top of Rollbar,*** in. (mm)	.....	88.6 (2250).....	.....
Height to Top of Dash,*** in. (mm)	.....	50.8 (1290).....	.....
Height to Top of Cab,*** in. (mm)	.....	84.6 (2148).....	.....

*Measurements may vary depending on tire size **with 380/70R24 tires ***with 380/70R20 tires

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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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