



TYM



T115

Series 5, Utility Tractor
111 hp

T115

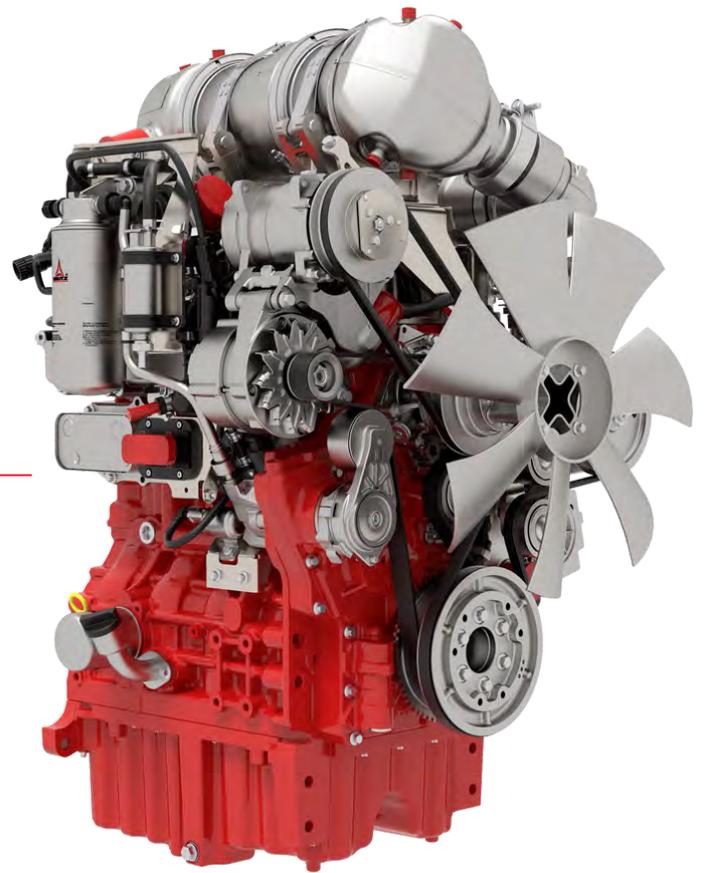
Introducing the T115 - your ultimate power source, boasting a 111 horsepower DEUTZ engine. It redefines standards with premium features, offering higher capacity for peak performance with minimal fuel consumption, low-maintenance technology for uninterrupted production, and eco-friendly emissions.

The T115 tractor is a powerful agricultural machine designed to meet the demands of modern farming. It features higher lift capacity, updated hydraulic top link, telematics, and smart key technology.

The TCD 3.6 L4, DEUTZ Common Rail Engine with Bosch's advanced electronic hydraulic control system, excels in high-intensity tasks. Perfect for farming and livestock management, it features an automatic PTO with rotation and elevation functions to maintain stability and ensure a smooth ride. This engine delivers exceptional power and torque at lower RPMs, promoting durability and productivity over a longer lifespan.

With 500-hour oil change intervals and a maintenance-free valve train, maintenance costs stay low, and machine uptime remains high.

Powerful, productive DEUTZ engine



- Newly-designed, water-cooled 4-cylinder inline engine with wastegate turbo charging, cooled external exhaust gas return and charge-air cooling.
- The powerful DEUTZ Common Rail injection system and the electronic engine control (EMR4) with intelligent link to the drive management ensure optimum engine performance at low fuel consumption.
- Use of DVERT® oxidation catalytic converter (DOC) and selective catalytic reduction (SCR) enables maintenance-free operation under all application and ambient conditions.
- Best cold starting performance even under extreme conditions.
- The engine meets the Stage V and the US EPA Tier 4 exhaust emission requirements.

Transmission

The power shuttle transmission is a feature that allows for quick and convenient direction changes without using the clutch. Here's a brief overview of how it works:

Clutchless Direction Changes

The key feature of a power shuttle transmission is the ability to change directions (from forward to reverse and vice versa) without using the clutch. This is particularly useful for tasks like loader work or when frequently switching between forward and reverse while maneuvering in tight spaces.

Modulated Forward/Reverse Clutch

Inside the power shuttle transmission, there is a hydraulic clutch pack that engages and disengages to switch between forward and reverse. This clutch is adjustable for its sensitivity to match operator needs and comfort.

Forward and Reverse Gears

4 ranges of creep, low, medium, and high with 4 speeds of high and low. This gives you 32 forward and 32 reverse gears.

Smooth and Efficient Operation

The power shuttle system provides smooth and efficient direction changes, making it easier for the operator to work quickly and precisely, eliminating the need to use the foot clutch to stop and reverse.

Shuttle Lever



The shuttle lever on TYM tractors provides operators with precise control for quick and seamless directional changes needed for loader work, mowing, plowing, and more.

GROUND SPEEDS (MPH) @ RATED ENGINE RPM																
Gear	C				L				M				H			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Power Shift Hi	0.3	0.4	0.6	0.7	0.9	1.2	1.7	2.2	2.7	3.6	5.0	6.5	9.1	12.1	17.0	22.1
Power Shift Lo	0.2	0.3	0.4	0.5	0.3	0.4	0.5	0.6	0.8	1.0	0.8	1.0	1.4	1.7	2.2	2.8

Front Axle

The front axle of the T115 excels in tough conditions, offering robust load-bearing and long-lasting inboard planetary gear design. The rugged front axle features a generous 50 degree steering angle and optimized geometry for precise control, maneuverability, and reduced tire wear.

The push-pull dual action steering cylinder ensures precise turns, eliminating the need for a drag link (built to last!).



Planetary Final Drive - Front and Rear:

Durability

Planetary gear sets are robust and capable of handling high torque loads, which is essential for heavy-duty vehicles and off-road applications.

Automatic Engagement of Front Axle

The front axle automatically disengages when the steering angle exceeds 20 degrees. At highway speeds above 10 MPH it also disengages. If operator prefers manual engagement, it can be done by the flip of a switch.

Smooth and Efficient Power Transfer

They provide smooth and efficient power transfer from the transmission to the wheels, contributing to overall drivetrain efficiency.

Premium Cab features

Introducing a range of premium cab features that redefine comfort and convenience for a superior tractor operation experience.

TFT LCD Rear Monitor System

Utilize the user-friendly monitor to access vital information, including dual cameras (front and/or rear), radio, phone, multimedia, tractor data, and settings.



Sunroof

Our sunroof enhances safety and efficiency by providing an improved line of sight to both attachments and materials being handled.



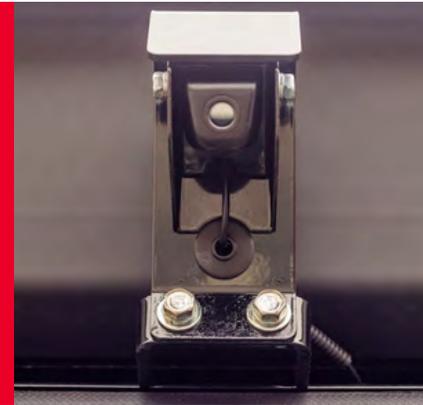
Smartkey w/Remote Start and Control Functions

The Smartkey enables remote engine starts, hitch control, and push-button start/stop for added convenience.



Reverse Camera

This reverse camera feature enhances visibility behind your tractor, facilitating safer and easier maneuvering in tight spaces. Allows monitoring of rear implants whenever needed.



Side View Mirrors

Fully adjustable dual mirrors provide essential visibility and eliminates blind spots for all tractor applications.



USB Ports

The tractor's USB ports provide seamless device connectivity and charging from the operator's seat, enhancing productivity during long days in the field.



Air-ride Full Suspension Seat

The swivel seat allows the tractor operator to rotate the seat partially, providing a better view of the surroundings without having to strain or twist their body. The seat also adjusts for height and weight.



Instructor's Seat

The instructor's seat offers a comfortable and adjustable spot for trainers and supervisors to join operators during tasks. That also stows away when not in use.



Operational Features



These levers simplify tasks like gear shifting and implement control, ensuring efficiency and ease of operation.

1. Rear-remote Controls (3 sets standard)

Rear-remote controls enable the operator to efficiently manage hydraulic functions for rear-mounted implements or attachments.

2. Throttle Control

The throttle control dial regulates the engine's speed and power output

3. PTO Switch

The PTO switch, positioned for easy access, allows convenient engagement and disengagement of the PTO system without manual levers.

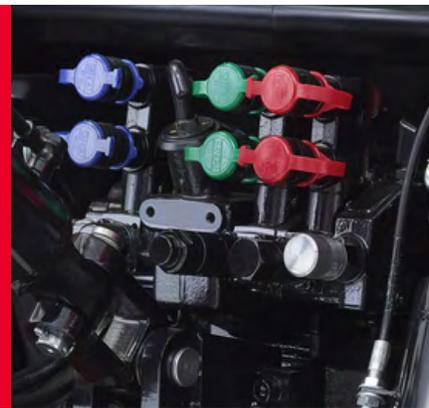
Reversible PTO Shaft

Featuring adjustable spline counts for versatile equipment compatibility, the Reversible PTO Shaft streamlines your operation by reducing the need for multiple PTO shafts or adapters, ensuring quick and efficient transitions between various implements.



Hydraulic flow valves & auxiliary control valve

Hydraulic flow valves and the auxiliary control valve provide precise regulation of hydraulic fluid flow to optimize the performance of attached implements for specific tasks and conditions.



3-Pt. Lift Control

Effortlessly manage your tractor's implements and attachments with precise 3-point lift control.



Gear Range Shifter

The manual lever allows for selecting the appropriate range needed for individual tasks. The four ranges include: creep, low, medium, and high.



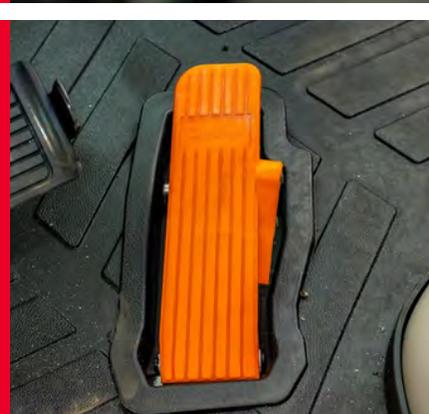
Stationary PTO Switch

The Stationary PTO Switch offers speed selection options at 540 RPM, 540E, or 1000 RPM, allowing you to choose the ideal speed for various implements, optimizing their performance.



Organ Pedal

The organ-style pedal, eases strain on the ankles so that the pedal can be pushed with less effort and give more accurate control to the operator.



3-Pt. Hitch

Telescopic Top Link

Featuring adjustable length, the telescopic top link guarantees an ideal fit for diverse implements, enhancing both performance and precision.



Hitch Height Control

Fender-mounted buttons aid in attaching and detaching rear implements.



The high-capacity heavy-duty category 2 hitch allows you to quickly connect various implements.

Independent PTO

Experience the Independent Power Take-Off (PTO) system, granting operators precise control over PTO functions. This enables you to engage and disengage the PTO without impacting the tractor's primary drive, ensuring you can operate a variety of implements while retaining full control.

High Lift Capacity Hitch

Equipped with a high-capacity 3P hitch, designed to handle heavy loads and a variety of implements, ensuring secure attachment and optimal performance for your agricultural tools.

Floating Lift Rods

Floating lift rods offer precise control and adaptability when connecting implements. This innovative system adjusts to varying ground contours, ensuring even weight distribution and improved implement performance.

Quick Implement Hookup

Designed with a quick implement hookup system to streamline the attachment process, you can connect and disconnect implements swiftly and easily, saving you valuable time and effort.

Trailer Coupler (7-Pin)

This standardized and versatile connection enables you to efficiently power and control your trailer's lights, brakes, and other essential functions.

Drawbar Bracket

The drawbar bracket on TYM tractors provides a reliable and sturdy attachment point for towing and hauling. This essential component ensures secure and efficient towing of various implements and trailers.

Telematics

Telematics come standard on T115, enabling farmers and operators to monitor and manage tracking location, optimizing fuel usage, alerting maintenance needs, and enhancing security. TYM's S.A.M (Smart Agriculture Management) technology boosts efficiency, cuts costs, increases productivity, and informs data-driven decisions for individual tractors and entire agricultural equipment fleets.



TL115SL Self-Leveling Front-End Loader

The TL115SL is a self-leveling front loader. Engineered to lift higher and lift heavier materials, the TL115SL is optimized for superior material handling.

DIMENSIONS & WEIGHTS

Loader Total Weight (1+2+3)	2,195.8 lb.
Weight of Boom & Quick Attach	1,073.7 lb.
Weight of Mounting Frame	687.8 lb.
Weight of Bucket	434.3 lb.
Lift Capacity to maximum height at Pivot Pin	4,129.3 lb
Breakout Force at Ground Level Pivot Pin	6,025.2 lb
Bucket rollback force at ground line	4,188.8 lb.
Relief Valve Setting (Loader Control Valve)	2,844.7 lb
Lift Cylinder	3.0x1.6 in.
Bucket cylinder	2.8x1.6 in.
Attachment used for specification	86.6 in.
Bucket capacity	15.2 cu. ft.

CAPACITIES & REACH

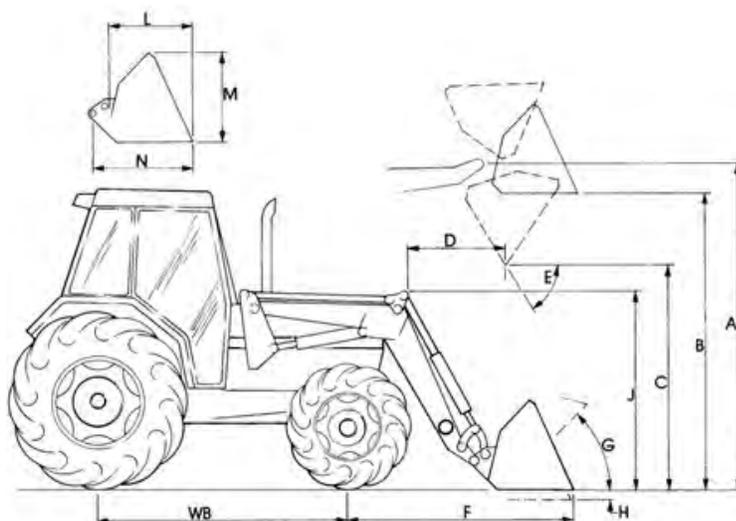
A. Maximum lift height to pivot pin	144.4 in.
B. Max. lift height under level bucket	134.6 in.
C. Clearance with bucket dumped	115.0 in.
D. Reach at maximum lift height	23.0 in.
E. Max dump angle	56°
F. Reach with bucket on ground	93.1 in.
G. Max. rollback angle	48.2°
H. Digging depth	10.2 in.
J. Overall height in carry position	76.0 in.
L. Depth of Attachment (to back of inner shell)	25.1 in.
M. Height of Attachment	24.1 in.
N. Length of Attachment (to pivot pin)	33.0 in.

CYCLE TIMES

Boom raising time	4.8 sec
Boom lowering time	3.3 sec
Bucket rollback time	2.2 sec
Bucket dumping time	3.2 sec

COMPATIBLE BUCKET SIZES

TYM's multi-purpose buckets are capable of bulldozing, scraping, loading, metering, moving, and clamping material.



Quick Attach

This universal skid-steer mount simplifies the process of connecting and utilizing a wide variety of implements and attachments, enhancing the tractor's versatility for a wide range of tasks.



Front Loader Joystick

This ergonomic joystick simplifies the lifting, lowering, and tilting of front-mounted attachments, ensuring you can efficiently handle materials and complete tasks with ease.



3rd Function

This hydraulic control valve allows a wide range of implements that can be utilized on the front-end loader, such as grapples and hay handling equipment. The 3rd function control is already installed for utilization on the loader joystick (right side).



Accumulator

Offering a safeguard against hydraulic pressure fluctuations, this feature guarantees a smoother and more controlled operation.



T115 Technical Specifications

ENGINE

Engine manufacturer	DEUTZ TCD3.6L4
Type	Water-cooled, 4-cylinder diesel engine
Gross engine power	111hp 83kW
Max. PTO power	109 hp 80kW
Rated engine speed	2200 rpm
No. of cylinders	4
Displacement	220.9 cu. in. 3621 cc
Air Cleaner	Dual Dry
Alternator	12V, 120A
Fuel System	CRDI

POWERTRAIN

Transmission type	Power Shuttle
No. of speeds	F32xR32
Max. traveling speed	23.05 mph 37.1 km/h
Brakes	Wet Multi Disc
Steering	Hydrostatic
Clutch	Wet Multi Type

CAPACITIES

Fuel tank	31.7 gal 120 L
Coolant	19.1 qt 18.0 L
Crankcase	8.5 qt 8 L
Transmission/Hydraulics system	23.8 gal 90 L
Front axle	4.6 gal 17.5 L

PTO

PTO type	Independent
PTO control	Electro-hydraulic
PTO rear	540/540E/1000rpm

HYDRAULIC SYSTEM

Pump type	Dual Gear Pump
Implement flow	14.3 gpm 54.1 l/min
Steering flow	7.1 gpm 27.0 l/min
Total flow	22.4 gpm 81.1 l/min
Category, 3-point hitch	II
Hitch lift capacity	7295 lb 3309 kg
Hitch lift capacity at 24 inches	6007 lb 2725 kg
Lift control type	Position/Draft
No. of standard remote valves	6 port

DIMENSIONS & WEIGHTS

Overall length with 3-point hitch	175.2 in. 4450 mm
Overall width	89.3 in. 2270 mm
Wheelbase	93.7 in. 2380 mm
Height to top of ROPS	112.2 in. 2850 mm
Min. ground clearance	16.73 in. 425 mm
Min. turn radius with brakes	133.8 in. 3400 mm
Min. turn radius without brakes	162.2 in. 4050 mm
Weight with cab	8940 lb 4055 kg

STANDARD TIRES

Agricultural - Front	380/85 - 24
Agricultural - Rear	460/85 - 34

Designed for your world

TYM creates tractors that bring together alluring form, advanced function and accessible value. Through Korean expertise in design, engineering and manufacturing, the company helps owners overcome every obstacle as they shape the world around them.

Headquartered in Korea with distribution across North America, Europe, and Asia, and assembly operations in the USA, TYM has been empowering customers for over 70 years.

www.tym.world

