

T224

Sub-Compact, Series 1
21.5 hp



A sub-compact tractor designed for full-sized tasks

Perform the tasks fit for a full-size tractor while enjoying the agility and ease of use of a riding mower. With its unmatched versatility, the T224 embodies the essence of TYM Series 1 tractors as an indispensable groundskeeper for every property.



1. PTO lever for mid and rear rpm



3. Safety seat sensor



5. PTO on/off switch



2. 2-range hydrostatic transmission (HST)



4. Throttle lever



6. Dial adjustment for mower height



Ergonomic features for enhanced productivity

A wide operator cabin with a flat floor offers good visibility and ample leg room, promoting comfortable operation. All controls are within arm's reach, including a dial to control the cutting height of the mid-mount attachment. The accelerator, brake pedal, differential lock, and parking brake are easily accessible on the floor of the cabin, located precisely where you expect them to be. These features make this tractor easy to operate, even for novice drivers.



High torque, water-cooled Yanmar diesel engine

The Japanese made Yanmar engine offers more torque with less revs compared to competitors in its class. Since it is water cooled, the engine warms up faster and stabilized temperature more effectively while the tractor is running. The engine is also Tier 4 certified, including for noise emission standards.



Mid-mount linkage for mowing attachments

The mid-mount linkage on the tractor allows easy installation for a mower up to 54 inches wide. Cutting height can be adjusted easily during operation using the dial on the operator console to tackle overgrowth more efficiently.



Easy-to-open hood for convenient maintenance

The tractor hood can be opened in one motion, providing easy access to the engine and other systems for daily checks, routine service, and maintenance. The side panel can also be removed easily without the need for specialized tools.



Accessible fuel tank for simpler refueling

Located on the right side of the driver's seat, the fuel tank of this tractor is easy to open with an ergonomically designed twist-off cap. The tank can be topped up with fuel, even when implements are connected to the tractor.



Foldable ROPS for low-ceiling structures

The Roll Over Protective Structure (ROPS) of the tractor is designed to be folded, allowing for easy storage in garages, sheds, and other low-ceiling structures.



Controls to manage attachments

Even while the tractor is in motion, a dedicated PTO lever can be used to speed up or slow down implement rpm, while the dial can raise and lower implements at the prescribed speed.



HST for infinitely variable drive speed

Responsive hydrostatic controls offers a smooth ride for operators, from the forward and reverse pedal to the powered steering wheel. These controls reduce the need for operator effort during a range of tasks, particularly while operating the optional front-end loader.

Technical specifications

ENGINE	
Engine manufacturer	Yanmar 3TNV74F
Type	Natural aspiration
Gross engine power	21.5 hp 16 kW
PTO power	15.1 hp 11.3 kW
Rated engine speed	3200 rpm
No. of cylinders	3
Displacement	60.6 cu. in. 993 cc
Air cleaner	Single dry
Alternator	12V, 40A
Fuel system	IDI
POWERTRAIN	
Transmission type	HST
No. of speeds	2 Range
Max. traveling speed	8.4 mph 13.5 kmph
Brakes	Wet disc
Steering	Hydrostatic
Clutch	N/A
CAPACITIES	
Fuel tank	6.6 gal 25 L
Coolant	3.7 qt 3.5 L
Crankcase	1.9 qt 1.8 L
Transmission/Hydraulics system	3.6 gal 13.6 L
Front axle	2.6 qt 2.5 L

PTO	
PTO type	Independent
PTO control	Electric/Hydro
PTO rear	540 rpm
HYDRAULIC SYSTEM	
Pump type	Single gear pump
Implement flow	4.6 gpm 17.4 L/min
Steering flow	2.1 gpm 8 L/min
Total flow	6.7 gpm 25.4 L/min
Category, 3-point hitch	I (N)
Hitch lift capacity	1100 lb 499 kg
Hitch lift capacity at 24 inches behind link ends	679 lb 308 kg
Lift control type	Position
No. of standard remote valves	Optional (1)
DIMENSIONS & WEIGHTS	
Overall length with 3-point hitch	94.2 in. 2394 mm
Overall width	44.5 in. 1130 mm
Wheelbase	53.1 in. 1350 mm
Height to top of ROPS	86.6 in. 2200 mm
Height to top of cabin	-
Min. ground clearance	8.3 in. 210 mm
Min. turn radius with brakes	-
Min. turn radius without brakes	86.6 in. 2200 mm
Weight with ROPS	1472 lb 668 kg
Weight with cab	-
STANDARD TIRES	
R1 Agricultural - Front	BAR F 16x6.50-8
R1 Agricultural - Rear	BAR R 24x12.00-12
R3 Turf - Front	Turf Master 16x7.50-8 NHS TL 4PR
R3 Turf - Rear	Turf Master 24x12.00-12 NHS TL 4PR
R4 Industrial - Front	WT300 18x8.5-10 NHS TL 4PR
R4 Industrial - Rear	WT300 26x12.00-12 NHS TL 4PR

MM54 Mid-Mount Mower

Attachments

Built with 54-inch working width cutting deck and 5.6-inch transport height, the TYM MM54 mid-mount mower attachment is designed to optimize your cutting time and improve cut quality.

Blade velocity	14601 fpm
Blade length	18.5 in. 469.9 mm
Working width	54 in. 1371.6 mm

PERFORMANCE	
No. of blades	3 EA
Blade velocity	14601 fpm
Blade length	18.5 in. 469.9 mm
Power rating	18-20 hp 13.4-14.9 kW
GENERAL	
Type	Side discharge
Mounting method	Parallel linkage
Lift linkage type	Lower link lift
Adjustment of increment	Dial gauge
Dial gauge hole	7 EA
Dial gauge gab between hole	0.5 in. 12.7 mm
Dial gauge total gab	3 in. 76.2 mm
Universal joint	Ø21.6 × 420 L
Wheel	4 EA
Assistant wheel	1 EA
Belt	V-Belt
Color	RED
Deck thickness	0.13 in. 3.3 mm



DIMENSIONS & WEIGHTS	
Working width	54 in. 1371.6 mm
Length	1.35 in. 34.4 mm
Width	2.62 in. 66.5 mm
Height	0.45 in. 11.4 mm
Weight	186 lb 84.4 kg
Cutting height	1 - 4 in. 25.4 - 101.6 mm
Transport height	5.6 in. 142.3 mm

TB50 Backhoe

Attachments

The TYM TB50 backhoe attachment is engineered to maximize the efficiency and enhance the productivity of your Series 1 sub-compact tractor.

Digging depth	66.5 in. 1690 mm
Loading height	60.8 in. 1545 mm
Backhoe reach	89.7 in. 2280 mm

PERFORMANCE	
Digging depth	66.5 in. 1690 mm
Loading height	60.8 in. 1545 mm
Max. leveling angle	10°
Angle of departure	21°
CAPACITIES & REACH	
Backhoe reach	89.7 in. 2280 mm
Swing angle	140°
Bucket rotation	169°
Stabilizer spread (lowered position)	74.8 in. 1900 mm
Stabilizer spread (raised position)	58.2 in. 1480 mm



DIMENSIONS & WEIGHTS	
Transport overhang	38.9 in. 990 mm
Transport height (max.)	60.8 in. 1545 mm
Compatible bucket sizes	9" backhoe bucket
Compatible bucket sizes	12" backhoe bucket
Compatible bucket sizes	16" backhoe bucket
Compatible bucket sizes	18" backhoe bucket
COMPATIBLE BUCKET SIZES	
TYM's multi-purpose buckets are capable of bulldozing, scraping, loading, metering, moving, and clamping material.	
Small_09	Small_12
Small_16	Small_18

Upgrades for the Series 1, T224

Complement the capabilities of your TYM tractor with compatible accessories and options.

Accessories

Block heater
Auxiliary hydraulic kit
BHPAD100 Street Pads
Rear wiper kit
Front counterweights
Mulching kits
T50A Mechanical Thumbs



Options

Tire	R3 Turf Tires	F Turf Master 16x7.50 - 8NHS 4PR	R Turf Master 24x12.00-12NHS 4PR
Tire	R4 Industrial Tires	F WT300 18x8.50 - 10NHS 4PR	R WT300 26x12.00-12NHS 4PR
Cabin	CAB194		



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.

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