

T224

Sub-Compact, Series 1
21.5 hp

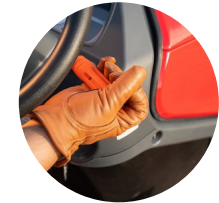


Packed with features to help accomplish your goals

Perform the tasks of a full-size tractor, while enjoying the maneuverability of a riding mower. The T224 is the essential TYM Series 1 tractor, serving as an indispensable groundskeeper for every property owner.



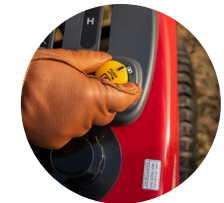
1. PTO lever for mid- and rear rpm



4. Throttle lever



2. 2-range hydrostatic transmission (HST)



5. PTO on/off switch



3. Safety seat sensor

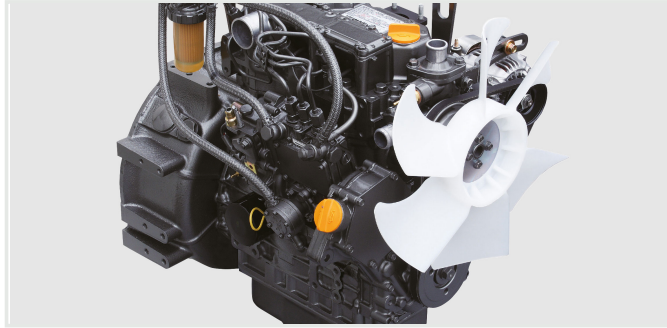


6. Dial adjustment for mower height



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 implement. 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 implements

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, so patches of overgrowth can be tackled 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 storage in low-ceiling structures

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

Technical specifications

ENGINE	
Engine manufacturer	Yanmar 3TNV74F
Type	Natural Aspiration
Gross engine power	21.5 hp
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	4.17 gpm 15.78 l/min
Steering flow	2.11 gpm 7.99 l/min
Total flow	6.28 gpm 23.77 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
Min. ground clearance	8.3 in. 210 mm
Min. turn radius without brakes	86.6 in. 2200 mm
Weight with ROPS	1472 lb 668 kg
STANDARD TIRES	
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

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

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

PERFORMANCE

Digging depth	66.5 in. 1690 mm
Loading height	60.8 in. 1545 mm
Max. leveling angle	10°
Angle of departure	21°



DIMENSIONS & WEIGHTS

Transport overhang	38.9 in. 990 mm
Transport height (max.)	60.8 in. 1545 mm

COMPATIBLE BUCKET SIZES

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

9" backhoe bucket	12" backhoe bucket
16" backhoe bucket	18" backhoe bucket

TX22H Front-End Loader

Attachments

Enhance the functionality of your TYM sub-compact tractor with the TX22H front-end loader. With impressive lift capacity and height, this TYM front-end loader can help you lift, move and handle material more effectively.



Lift height	71.3 in. / 1810 mm
Lift capacity	617 lb / 280 kgf
Bucket capacity	5.7 cu. ft / 0.16 cu. m

CAPACITIES & REACH

Lift height	71.3 in. 1810 mm
Max. lift height under level bucket	64.8 in. 1646 mm
Clearance with bucket dumped	53.9 in. 1369 mm
Reach at maximum lift height	26.8 in. 680 mm
Max. dump angle	37°
Reach with bucket on ground	49.5 in. 1258 mm
Max. rollback angle	23°
Digging depth	4.1 in. 105 mm
Lift capacity	617 lb 280 kgf
Breakout force at ground level, pivot points	1235 lb 560 kgf
Bucket rollback force at ground line	1036 lb 470 kgf
Bucket capacity	5.7 cu. ft 0.16 cu. m
Self leveling	NA
Relief valve setting (Loader control valve)	1849 psi 130 kg/sq. cm

DIMENSIONS & WEIGHTS

Overall height in carry position	42 in. 1068 mm
Depth of Attachment (to the back of the inner shell)	19.1 in. 484 mm
Height of Attachment	18.4 in. 467 mm
Length of Attachment (to pivot point)	20.7 in. 525 mm
Weight of boom & quick attach mechanism (1)	202.8 lb 92 kg
Weight of mounting frame (2)	101.4 lb 46 kg
Weight of bucket (3)	114.6 lb 52 kg
Loader total weight (1+2+3)	418.9 lb 190 kg
Lift cylinder	1.6x1.0 in. 40x25 mm
Bucket cylinder	1.6x1.0 in. 40x25 mm
Attachment used for specification	48 in. 1220 mm

CYCLE TIMES

Boom raising time	3.7 sec
Boom lowering time	2.2 sec
Bucket rollback time	2.2 sec
Bucket dumping time	3.6 sec

COMPATIBLE BUCKET SIZES

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

48" Front-End Loader bucket

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

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	Ø21.6x470L
Wheel	4 EA
Assistant wheel	1 EA
Belt	V-Belt
Color	RED



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
Deck thickness	0.13 in. 3.3 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

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

Upgrades for the Series 1, T224

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

Accessories

Block heater

Auxiliary hydraulic kit

T50A Mechanical Thumbs

Front counterweights

BHPAD100 Street Pads

Rear wiper kit

Mulching kits



Options

Cabin	CAB194		
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



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