

F50

Compact, Series 3
48 hp



A compact tractor that doesn't compromise on performance

The F50 strikes a perfect balance between agility and strength, making it an ideal partner for jobs of all sizes. Its compact design offers the versatility you need, while its power empowers you to tackle even the toughest tasks on and off the field



1. New iconic hood



3. Ergonomic lever



2. Comfortable suspension seat



4. Highly responsive forward & reverse HST (F50HN)



5. High-capacity fuel tank



6. High visibility instrumental panel



Eco-friendly TYM 4-cylinder Stage V engine

Equipped with a naturally aspirated engine designed and manufactured by TYM, the tractor is designed to be eco-friendly and fuel-efficient without compromising on performance.



Tilt steering wheel

The tilt steering wheel allows operators to adjust the position of the steering wheel for a more comfortable driving experience.



PTO on/off switch

Safety is a top priority. The PTO switch ensures secure operation of all tractor attachments.



LED work light (optional)

Full front and rear LED work lights facilitate safer operations, particularly in low visibility conditions such as rainy or dusty work environments, or during nighttime tasks.



Differential lock system and low turning angle

The differential lock system, activated with easily accessible levers, provides enhanced traction in slippery work environments, while a 52° turning angle makes operation in narrow areas much easier.



Water-separating fuel filter

The water-separating fuel filter prevents foreign substances from entering the fuel, ensuring better engine starting performance and preventing damage to the machine.

Technical specifications

ENGINE	
Engine manufacturer	TYM T2300N2
Type	Natural aspiration
Gross engine power	48 hp 36 kW
PTO power	40 hp 29.8 kW
Rated engine speed	2600 rpm
No. of cylinders	4
Displacement	2287 cc 139.5 cu. in.
Air cleaner	Dry element
Alternator	12V, 50A
Fuel system	Water-cooled diesel
POWERTRAIN	
Transmission type	F50RN: Synchro-shuttle F50HN: HST
No. of speeds	F50RN: F12 x R12 F50HN: 3-Range
Max. traveling speed	F50RN: 28.7 km/h 17.8 mph F50HN: 28.4 km/h 17.6 mph
Brakes	Wet, Multi disc
Steering	Hydrostatic
Clutch	Dry single plate N/A
CAPACITIES	
Fuel tank	30 L 7.9 gal
Coolant	5.5 L 1.4 qt
Crankcase	4.5 L 4.7 qt
Transmission/Hydraulics system	F50RN: 34 L 9 gal F50HN: 37 L 9.8 gal
Front axle	6.4 L 6.8 qt

PTO	
PTO type	Independent
PTO control	Electric/Hydro
PTO rear	540/540E rpm
HYDRAULIC SYSTEM	
Pump type	Gear pump
Implement flow	43.2 L/min 11.4 gpm
Steering flow	19.4 L/min 5.2 gpm
Total flow	62.6 L/min 16.5 gpm
Category, 3-point hitch	I
Hitch lift capacity	1500 kg 3306 lb
Hitch lift capacity at 24 inches behind link ends	757 kg 1671 lb
Lift control type	Position/Draft
No. of standard remote valves	2/2
DIMENSIONS & WEIGHTS	
Overall length with 3-point hitch	3380 mm 133.1 in.
Overall width	1491 mm 58.70 in.
Wheelbase	1670 mm 65.7 in.
Height to top of ROPS	Front-ROPS: 2462 mm 96.93 in. ROPS: 2515 mm 99.02 in.
Height to top of cabin	-
Min. ground clearance	443.5 mm 17.46 in.
Min. turn radius with brakes	2550 mm 100.4 in.
Min. turn radius without brakes	2920 mm 115 in.
Weight with ROPS	F50RN Front-ROPS: 1560 kg 3439 lb ROPS: 1548 kg 3413 lb F50HN Front-ROPS: 1551 kg 3419 lb ROPS: 1539 kg 3393 lb
Weight with cab	-

STANDARD TIRES	
R1 Agricultural - Front	1: 7-16 6PR 2: 8-16 4PR 3: 280/70R16 4: 215/70R16
R1 Agricultural - Rear	1: 11.2-24 8PR 2: 12.4-24 6PR 3: 380/85R24 4: 44x18-20
R3 Turf - Front	1: 215/70R16 2: 260/70R16 3: 27x8.5-15
R3 Turf - Rear	1: 11.2-24 8PR 2: 420/70R24 3: 41x14-20
R4 Industrial - Front	1: 10-16.5 2: 240/70R16 3: 240/70R16 4: 240/70R16 5: 200/70R16
R4 Industrial - Rear	1: 420/70R24 2: 320/70R24 3: 340/85R24 4: 360/70R24 5: 300/80R24

BL15SL Front-End Loader

Attachments

The BL15SL front-end loader takes advantage of the power and durability of TYM compact tractors. Ideal for tasks that require more strength, the BL15SL front-end loader can help you get your tasks done more efficiently.



CAPACITIES & REACH	
Lift height	2692 mm 106 in.
Max. lift height under level bucket	2692 mm 106 in.
Clearance with bucket dumped	1977 mm 77.8 in.
Reach at maximum lift height	400 mm 15.8 in.
Max. dump angle	56°
Reach with bucket on ground	1888 mm 74.3 in.
Max. rollback angle	48°
Digging depth	127 mm 5 in.
Lift capacity at pivot point (max. height)	1093 kgf 2409 lb
Breakout force at ground level, pivot pins	1573 kgf 3468 lb
Bucket rollback force at ground line	1549 kgf 3415 lb
Bucket capacity	0.23 cu. m 8.1 cu. ft
Relief valve setting (loader control valve)	170 kg/sq. cm 2418 psi
Compatible bucket sizes	66" Front-end loader bucket

DIMENSIONS & WEIGHTS	
Overall height in carry position	1472 mm 58 in.
Depth of Attachment (to the back of the inner shell)	536 mm 21.1 in.
Height of Attachment	520 mm 20.5 in.
Length of Attachment (to pivot pin)	726 mm 28.6 in.
Weight of boom & quick attach mechanism (1)	282 kg 622 lb
Weight of mounting frame (2)	122 kg 269 lb
Weight of bucket (3)	102 kg 225 lb
Loader total weight (1+2+3)	506 kg 1116 lb
Lift cylinder	55 × 30 mm 2.2 × 1.2 in.
Bucket cylinder	55 × 30 mm 2.2 × 1.2 in.
Attachment used for specification	1570 mm 62 in.
CYCLE TIMES	
Boom raising time	4.3 sec
Boom lowering time	3.0 sec
Bucket rollback time	2.3 sec
Bucket dumping time	3.2 sec

Upgrades for the Series 3, F50

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

Accessories



Options

Tire	R1 Agricultural Tires	F 8 - 16 4PR	R 12.4-24 8PR
Tire	R3 Turf Tires	F 27x8.5 - 15 6PR	R 41x14.00 4PR
Tire	R4 Industrial Tires	F 10 - 16.5 6PR	R 420/70-24 6PR



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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