



T353/T353HST, T393/T393HST T433/T433HST, T503/T503HST

Compact Line

35 / 38 / 43 / 49 hp



T353/T353HST, T393/T393HST T433/T433HST, T503/T503HST



Specification Guide

Model	T353	T353HST	T393/CAB	T393 HST / CAB	T433 / CAB	T433HST / CAB	T503 / CAB	T503HST / CAB
ENGINE								
Manufacturer	Mitsubishi	Mitsubishi	Yanmar	Yanmar	Perkins	Perkins	Perkins	Perkins
Model	S4L2	S4L2	3TNV98-BD5A	3TNV98-BD5A	404D-22	404D-22	404D-22	404D-22
Engine HP(kw) - Gross	35(26.1)	35(26.1)	38.3(28.2)	38.3(28.2)	42.7(31.4)	42.7(31.4)	48.7(36.3)	48.7(36.3)
PTO HP(kw)	29(21.6)	26(19.4)	30.1(22.1)	28.6(21)	34.4(25.3)	31.2(23)	38.5(28.3)	35.7(26.2)
Rated engine speed	2700	2700	3000	3000	2600	2600	2800	2800
Number of cylinders	4	4	3	3	4	4	4	4
Displacement-cu.in. (cc)	107.3(1758)	107.3(1758)	100.2(1642)	100.2(1642)	135.2(2216)	135.2(2216)	135.2(2216)	135.2(2216)
Air cleaner	Dual Dry	Dual Dry	Dual Dry	Dual Dry	Dual Dry	Dual Dry	Dual Dry	Dual Dry
ELECTRICAL SYSTEM								
Alternator	12V, 50A	12V, 50A	12V70A	12V70A	12V, 65A	12V, 65A	12V, 65A	12V, 65A
FUEL SYSTEM								
Type	Indirect Fuel Injection	Indirect Fuel Injection	Direct Fuel Injection	Direct Fuel Injection	Indirect Fuel Injection	Indirect Fuel Injection	Indirect Fuel Injection	Indirect Fuel Injection
DRIVETRAIN								
Transmission type	Sync/Shuttle	HST	Sync Shuttle / HST	Sync Shuttle / HST	Sync/Shuttle	HST	Sync/Shuttle	HST
Number of speeds	12/F 12/R	Infinite/3 Range	12/F 12/R	Infinite/3 Range	16/F 16/R	3 Ranges	16/F 16/R	3 Ranges
Max traveling speed, mph (km/h)	13.4(21.6)	16.1(26)	15.0(24.2) / 16.8(27)	15.0(24.2) / 16.8(27)	18.2(29.4)	17.7(28.4)	19.6(31.7)	17.3(28.4)
Brakes	Wet Disc	Wet Disc	Wet Disc	Wet Disc	Wet Disc	Wet Disc	Wet Disc	Wet Disc
Steering	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
Clutch	Dry single plate	N/A	Dry Single Plate / Damper	Dry Single Plate / Damper	Dry single plate	N/A	Dry single plate	N/A
HYDRAULIC SYSTEM								
Pump (type)	Dual Gear Pump	Dual Gear Pump	Dual Gear Pump	Dual Gear Pump	Dual Gear Pump	Dual Gear Pump	Dual Gear Pump	Dual Gear Pump
Implement pump cap.gpm (L/min)	6.3(23.9)	6.3(23.9)	6.4(24.4)	6.4(24.4)	8.8(33.5)	8.8(33.5)	9.5(36.5)	9.5(36.5)
Steering pump cap. gpm (L/min)	4.3(16.2)	4.6(17.3)	4.6(17.3)	4.6(17.3)	4.6(17.3)	4.6(17.3)	5.0(19.2)	5.0(19.2)
Maximum total flow gpm (L/min)	10.6(40.1)	10.9(41.2)	11.0(42.0)	11.0(42.0)	13.4(51.7)	13.4(51.7)	14.5(55.7)	14.5(55.7)
Category, 3 point hitch	I	I	I	I	I	I	I	I
Hitch lift capacity, lb. (kg)	2646(1200)	2646(1200)	2646(1200)	2646(1200)	3314(1503)	3314(1503)	3314(1503)	3314(1503)
at 24 inches behind link ends, lb(kg)	1764(800)	1764(800)	1764(800)	1764(800)	2945(1336)	2945(1336)	2945(1336)	2945(1336)
Lift control type	Position	Position	Position/Draft	Position/Draft	Position/Draft	Position/Draft	Position/Draft	Position/Draft
Joy stick valve	standard	standard	Standard	Standard	standard	Standard	standard	Standard
No. of standard remote valves (Additional option)	2	1	2	1	2	2	2	2
PTO								
Type	Independent	Independent	Independent	Independent	Independent	Independent	Independent	Independent
Control	Electric/Hydro	Electric/Hydro	Electric/Hydro	Electric/Hydro	Electric/Hydro	Electric/Hydro	Electric/Hydro	Electric/Hydro
Mid (rpm)-option	N/A	2000	N/A	Option	N/A	N/A	N/A	N/A
Rear (rpm)	540/1000	540	540	540	540/1000	540/1000	540/1000	540/1000
Shaft Diameter in. (mm)	1.3/8(35)	1.3/8(35)	1.3/8 (35)	1.3/8 (35)	1.3/8 (35)	1.3/8 (35)	1.3/8 (35)	1.3/8 (35)
CAPACITIES								
Fuel Tank, U.S. gal. (L)	9.0(34)	9.0(34)	9.0(34)	9.0(34)	17(60)	17(60)	17(60)	17(60)
Cooling System U.S. qt. (L)	7.4(7)	7.4(7)	7.4(7)	7.4(7)	9.0(8.5)	9.0(8.5)	9.0(8.5)	9.0(8.5)
Crankcase (with filter) U.S. qt. (L)	6.0(5.7)	6.0(5.7)	6.0(5.7)	6.0(5.7)	7.1(6.7)	7.1(6.7)	7.1(6.7)	7.1(6.7)
Trans. & Hydr. System, U.S.gal. (L)	8.5(32)	9.2(35)	8.5(32)	8.5(32)	9.2(35)	9.2(35)	9.2(35)	9.2(35)
Front Axle qt. (L)	8.7(8.2)	8.7(8.2)	8.7(8.2)	8.7(8.2)	10.5(10)	10.5(10)	10.5(10)	10.5(10)
DIMENSIONS (with standard tires)								
Overall length, in. (mm) with 3P	126(3200)	130.5(3315)	126(3200)	126(3200)	141.3(3590)	141.3(3590)	141.3(3590)	141.3(3590)
Overall width, in. (mm)	53.5(1360)	52(1320)	53.5(1360)	53.5(1360)	63.8(1620)	63.8(1620)	63.8(1620)	63.8(1620)
Wheelbase, in. (mm)	64.5(1640)	66.1(1680)	64.5(1640)	64.5(1640)	76.2(1935)	76.2(1935)	76.2(1935)	76.2(1935)
Height to top of ROPS, in. (mm)	94.5(2400)	94.4(2400)	94.5(2400)	94.5(2400)	102.1(2594)	102.1(2594)	102.1(2594)/99.6(2530)	102.1(2594)/99.6(2530)
Min. Ground Clearance, in (mm)	12.8(325)	13.8(350)	12.8(325)	12.8(325)	13.8(350)	13.8(350)	13.8(350)	13.8(350)
Min. Turning Radius, in (mm) with brakes	94.4(2400)	94.4(2400)	94.4(2400)	94.4(2400)	131.9(3352)	131.9(3352)	131.9(3352)	131.9(3352)
Min. Turning Radius, in (mm) w/o brakes	116(2950)	116(2950)	116(2950)	116(2950)	150.4(3820)	150.4(3820)	150.4(3820)	150.4(3820)
STANDARD TIRES								
Agricultural Front	8.0-16	8.0-16	8.0-16	8.0-16	9.5-16	9.5-16	9.5-16	9.5-16
Agricultural Rear	12.4-24	12.4-24	12.4-24	12.4-24	13.6-26	13.6-26	13.6-26	13.6-26
Industrial Front	27-10.5-15	27-10.5-15	27x10.5-15	27x10.5-15	12-16.5	12-16.5	12-16.5	12-16.5
Industrial Rear	12.5-20	12.5-20	12.5x20	12.5x20	17.5L-24	17.5L-24	17.5L-24	17.5L-24
ROLL-OVER PROTECTIVE STRUCTURES								
Standard	ROPS/Cab(Optional)	ROPS/Cab(Optional)	ROPS / CAB	ROPS / CAB	ROPS / CAB	ROPS / CAB	ROPS/CAB	ROPS/CAB
WEIGHT								
Total weight, lb (kg)	3065(1390)	3065(1390)	3065(1390)	3065(1390)	3770(1710) / 4189(1900)	3770(1710) / 4189(1900)	3770(1710) / 4189(1900)	3770(1710) / 4189(1900)

Loader

Model	TX39	TX3500(H)	TX5000
Applicable Tractors	T393	T353 (HST)	T433 / T503
Max Lift Height to Pivot Pin (in)	102.3"	102.6"	109.1"
Clearance with Bucket Dumped (in)	77.4"	77.8"	80.8"
Reach at Max Lift Height (in)	23.2"	23.2"	21.4"
Max Dump Angle (deg)	40°	40°	45°
Max Rollback Angle (deg)	30°	30°	35°
Digging Depth (in)	4.4"	4.1"	4.1"
Overall Height in Carry Position (in)	55.6"	56"	48.2"
Lift Capacity to Max Height at Pivot Pin (lbs)	2,116 lbs	2,116 lbs	2,478 lbs
Breakout Force at Ground Level, Pivot Pin (lbs)	3,435 lbs	3,435 lbs	4,938 lbs
Loader Total Weight (lbs)	1,052 lbs	1,087 lbs	1,261 lbs
Quick Attach Bucket	Yes	Yes	Yes

Backhoe

Model	BY75 / BY75H	BY85 / BY85H
Applicable Tractors	T353 / T353HST T393 / T393HST	T433 / T433HST T503 / T503HST
Digging Depth - Two Foot Flat Bottom (in)	91.2"	103.2"
Reach from Center Line of Swing Pivot (in)	123.6"	134.4"
Loading Height - Bucket at 60° (in)	90"	92.4"
Swing Arc (deg)	180°	180°
Transport Max Height (in)	85.2"	91.2"
Bucket Rotation (deg)	149°	151°
Bucket Standard (in)	16"	16"
Stabilizer Spread down position (in)	88.8"	88.8"
Stabilizer Spread up position (in)	68.4"	68.4"
Bucket Cylinder Digging Force (lbs)	4,554 lbs	4,435 lbs
Shipping Weight without Bucket (lbs)	1,340 lbs	1,500 lbs

STANDARD FEATURES

- Ergonomic operator platform
- Pre-heat starting aid
- Hand and foot throttle control
- Remote control valves on some models
- Hydrostatic power steering
- Front loader valve and joystick
- Hydraulic draft and position control on some models
- Adjustable seat
- Extendable lower links and telescopic stabilizers on some models
- Heavy-duty drawbar
- Turn signals



Email : overseas@tvm.co.kr
DaeYong B/D, 7, Eonju-ro 133-gil, Gangnam-gu, Seoul, Korea
www.tvm.co.kr

8079 (02) 4-6-0303 (02) 4-6-1911

T353/T353^{HST}, T393/T393^{HST} T433/T433^{HST}, T503/T503^{HST}

- 35 / 38 / 43 / 49 Horsepower
- HST / SYNC Shuttle Transmission
- Quick Attach Loaders & Buckets
- Four Wheel Drive
- Powered by Mitsubishi, Yanmar, Perkins Tier III Engine
- Cabs available on all models (A/C available on T393 cabin and up)



Dual Air Cleaner
Dual air filter elements protect and extend engine life



4WD Front Axle
The heavy duty front axle offers greater traction during demanding applications



LED Instrument Panel
Easy-to-read instrument panel includes gauges for engine RPM, engine temperature, fuel level, as well as a digital hour meter and PTO on/off indication light



Curved-Line Cabin
- Provides excellent entry and exit from both doors
- Spacious cabin provides for more operating room and greater visibility



Hydrostatic transmission models



Rear remote valves



One touch independent PTO



Comfort Suspension Seat

TYM Compact Line

Power never felt as smooth as with the TYM Compact line of tractors. Powered by Tier III compliant Mitsubishi, Yanmar and Perkins engines, you will find doing chores with your TYM tractor is a pleasure. You will also be able to look back at the end of the day and have many accomplishments to be proud of in your completed tasks. All TYM Compact tractors are available with cabs and in either gear or hydrostatic drive models. Pick the horsepower and model that best fits your needs. Really, you can't go wrong!

