



TMM

Model & Specification Guide

QUALITY **TMM** MATTERS



We create "the heart" on the road of the world



T353

Engine HP(kw) - Gross 35(25.7)
PTO HP(kw) 29(21.3)
Rated engine speed 2700
Displacement-cu.in. (cc) 107.3(1758)
PTO Type Independent
Total weight ,lb (kg) 3065(1390)



T353HST

Engine HP(kw) - Gross 35(25.7)
PTO HP(kw) 26(19.1)
Rated engine speed 2700
Displacement-cu.in. (cc) 107.3(1758)
PTO Type Independent
Total weight ,lb (kg) 3065(1390)



T433

Engine HP(kw) - Gross 42.7(31.4)
PTO HP(kw) 32.8(24.1)
Rated engine speed 2600
Displacement-cu.in. (cc) 135.2(2216)
PTO Type Independent
Total weight ,lb (kg) 4188(1900)



T433CAB

Engine HP(kw) - Gross 42.7(31.4)
PTO HP(kw) 32.8(24.1)
Rated engine speed 2600
Displacement-cu.in. (cc) 135.2(2216)
PTO Type Independent
Total weight ,lb (kg) 4607(2090)



T503

Engine HP(kw) - Gross 50.7(37.3)
 PTO HP(kw) 38(28.4)
 Rated engine speed 2800
 Displacement-cu.in. (cc) 135.2(2216)
 PTO Type Independent
 Total weight ,lb (kg) 4188(1900)



T503CAB

Engine HP(kw) - Gross 50.7(37.3)
 PTO HP(kw) 38.6(28.4)
 Rated engine speed 2800
 Displacement-cu.in. (cc) 135.2(2216)
 PTO Type Independent
 Total weight ,lb (kg) 4607(2090)



T603(PS)

Engine HP(kw) - Gross 58(43)
 PTO HP(kw) 46.6(35)
 Rated engine speed 2600
 Displacement-cu.in. (cc) 135.2(2216)
 PTO Type Independent
 Total weight ,lb (kg) 5204(2360)



T603CAB(PS)

Engine HP(kw) - Gross 58(43)
 PTO HP(kw) 46.6(35)
 Rated engine speed 2600
 Displacement-cu.in. (cc) 135.2(2216)
 PTO Type Independent
 Total weight ,lb (kg) 5380(2440)



T903CAB

Engine HP(kw) - Gross 89.1(66.5)
 PTO HP(kw) 80.3(59.9)
 Rated engine speed 2200
 Displacement-cu.in. (cc) 268.4(4400)
 PTO Type Independent
 Total weight ,lb (kg) 8124(3685)



T1003CAB

Engine HP(kw) - Gross 99.2(74)
 PTO HP(kw) 88.2(65.8)
 Rated engine speed 2200
 Displacement-cu.in. (cc) 268.4(4400)
 PTO Type Independent
 Total weight ,lb (kg) 8124(3685)

QUALITY MATTERS



TRACTORS SPECIFICATION

Model	T233HST	T273HST	T353	T353HST	T433	T433CAB
ENGINE						
Manufacturer	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Caterpillar	Caterpillar
Model	S3L	S3L2	S4L2	S4L2	C2.2	C2.2
Engine HP(kw) - Gross	23 [16.9]	27 [19.8]	35 [25.7]	35 [25.7]	42.7 [31.4]	42.7 [31.4]
PTO HP(kw)	17.4 [15.9]	20.7 [15.4]	29 [21.3]	26 [19.1]	32.8 [24.1]	32.8 [24.1]
Rated engine speed	2700	2700	2700	2700	2600	2600
Number of cylinders	3	3	4	4	4	4
Displacement-cu.in. (cc)	68.7 [1125]	80.4 [1318]	107.3 [1758]	107.3 [1758]	135.2 [2216]	135.2 [2216]
Air cleaner	Dual Dry	Dual Dry	Dual Dry	Dual Dry	Dual Dry	Dual Dry
ELECTRICAL SYSTEM						
Alternator	12V, 50A	12V, 50A	12V, 50A	12V, 50A	12V, 65A	12V, 65A
FUEL SYSTEM						
Type	Indirect Fuel Injection		Indirect Fuel Injection	Indirect Fuel Injection	Indirect Fuel Injection	Indirect Fuel Injection
DRIVETRAIN						
Transmission type	HST	HST	Sync/Shuttle	HST	Sync/Shuttle	Sync/Shuttle
Number of speeds	Infinite / 2 Range	Infinite / 2 Range	12/F 12/R	Infinite/3 Range	16/F 16/R	16/F 16/R
Max traveling speed, mph (km/h)	10.5 (17)	10.5 (17)	13.4 (21.6)	16.1 (26)	19.7 (31.7)	20.7 (33.4)
Brakes	Wet Disc	Wet Disc	Wet Disc	Wet Disc	Wet Disc	Wet Disc
Steering	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
Clutch	N/A	N/A	Dry single plate	N/A	Dry singl plate	Dry singl plate
HYDRAULIC SYSTEM						
Pump (type)	Dual Gear Pump	Dual Gear Pump	Dual Gear Pump	Dual Gear Pump	Dual Gear Pump	Dual Gear Pump
Implement pump cap.gpm (L/min)	5.0 [18.9]	5.0 [18.9]	6.3 [23.9]	6.3 [23.9]	8.8 [33.5]	9.5 [36.1]
Steering pump cap. gpm (L/min)	2.6 [10]	2.6 [10]	4.3 [16.2]	4.6 [17.3]	4.6 [17.6]	5.0 [19.0]
Maximum total flow gpm (L/min)	7.6 [28.9]	7.6 [28.9]	10.6 [40.1]	10.9 [41.2]	13.4 [51.1]	14.1 [55.1]
Category, 3 point hitch	I	I	I	I	I	I
Hitch lift capacity, lb. (kg)	1534 [700]	1534 [700]	2646 [1200]	2646 [1200]	2865 [1300]	2865 [1300]
at 24 inches behind link ends, lb(kg)	1102 [500]	1102 [500]	1764 [800]	1764 [800]	2105 [955]	2105 [955]
Lift control type	Position	Position	Position	Position	Position/Draft	Position/Draft
Joy stick valve	standard	standard	standard	standard	standard	standard
No. of standard remote valves-option	1	1	1	1	2	2
PTO						
Type	Independent	Independent	Independent	Independent	Independent	Independent
Control	Electric/Hydro	Electric/Hydro	Electric/Hydro	Electric/Hydro	Electric/Hydro	Electric/Hydro
Mid (rpm)-option	2000	2000	N/A	2000	N/A	N/A
Rear (rpm)	540	540	540/1000	540	540	540
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]
CAPACITIES						
Fuel Tank, U.S. gal. (L)	6.6 [25]	6.6 [25]	9.0 [34]	9.0 [34]	17 [60]	17 [60]
Cooling System U.S. qt. (L)	9.3 [8.8]	9.3 [8.8]	7.4 [7]	7.4 [7]	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]	8.4 [8.2]	8.4 [8.2]
Trans. & Hydr. System, U.S.gal. (L)	9.5 [36]	9.5 [36]	8.5 [32]	9.25 [35]	9.2 [35]	9.2 [35]
Front Axle qt. (L)	8.6 [8.2]	8.6 [8.2]	8.7 [8.2]	8.7 [8.2]	10.5 [10]	10.5 [10]
DIMENSIONS (with standard tires)						
Overall length, in. (mm) with 3P	107.8 [2740]	107.8 [2740]	126 [3200]	130.5 [3315]	141.3 [3590]	141.3 [3590]
Overall width, in. (mm)	52.8 [1342]	52.8 [1342]	53.5 [1360]	52 [1320]	62.6 [1591]	62.6 [1591]
Wheelbase, in. (mm)	58.3 [1480]	58.3 [1480]	64.5 [1640]	66.1 [1680]	76.2 [1935]	76.2 [1935]
Height to top of ROPS, in. (mm)	97.2 [2470]	97.2 [2470]	94.5 [2400]	94.4 [2400]	101.9 [2590]	99.6 [2530]
Min. Ground Clearance, in (mm)	7.71 [196]	7.71 [196]	12.8 [325]	13.8 [350]	13.8 [350]	9.6 [245]
Min. Turning Radius, in (mm) with brakes	98.5 [2502]	98.5 [2502]	94.4 [2400]	94.4 [2400]	131.9 [3352]	131.9 [3352]
Min. Turning Radius, in (mm) w/o brakes	105.5 [2682]	105.5 [2682]	116 [2950]	116 [2950]	150.4 [3820]	150.4 [3820]
STANDARD TIRES						
Agricultural Front	-	-	7.0-16	7.0-16	8.0-16	8.0-16
Agricultural Rear	-	-	11.2-24	11.2-24	13.6-24	13.6-24
Industrial Front	23x8.5-12	23x8.5-12	27-10.5-15	27-10.5-15	12-16.5	12-16.5
Industrial Rear	12x16.5	12x16.5	12.5-20	12.5-20	17.5L-24	17.5L-24
ROLL-OVER PROTECTIVE STRUCTURES						
Standard	ROPS	ROPS	ROPS	ROPS	ROPS	ROPS
WEIGHT						
Total weight ,lb (kg)	2028 [920]	2028 [920]	3065 [1390]	3065 [1390]	4188 [1900]	4607 [2090]

□ Specifications subject to change without prior notice

T503	T503CAB	T603	T603(PS)	T603CAB	T603CAB(PS)	T903 CAB	T1003 CAB
Caterpillar	Caterpillar	Caterpillar	Caterpillar	Caterpillar	Caterpillar	Caterpillar	Caterpillar
C2.2	C2.2	C2.2T	C2.2T	C2.2T	C2.2T	3054C-DIT	3054C-DIT
50.7(37.3)	50.7(37.3)	58 (43)	58 (43)	58 (43)	58 (43)	89.1(66.5)	99.2(74)
38(28.4)	38.6(28.4)	46.6(35)	46.6(35)	46.6(35)	46.6(35)	80.3(59.9)	88.2(65.8)
2800	2800	2600	2600	2600	2600	2200	2200
4	4	4	4	4	4	4	4
135.2(2216)	135.2(2216)	135.2(2216)	135.2(2216)	135.2(2216)	135.2(2216)	268.4(4400)	268.4(4400)
Dual Dry	Dual Dry	Dual Dry	Dual Dry	Dual Dry	Dual Dry	Dual Dry	Dual Dry
12V, 65A	12V, 65A	12V, 65A	12V, 65A	12V, 65A	12V, 65A	12V, 80A	12V, 80A
Indirect Fuel Injection	Indirect Fuel Injection	Indirect Fuel Injection		Indirect Fuel Injection		Direct Fuel Injection	Direct Fuel Injection
Sync/Shuttle	Sync/Shuttle	Sync/Shuttle	Sync/Power Shuttle	Sync/Shuttle	Sync/Power Shuttle	Sync/Power Shuttle,Power shift	Sync/Power Shuttle,Power shift
16/F 16/R	16/F 16/R	24/F 24/R	24/F 24/R	24/F 24/R	24/F 24/R	32/F 32/R	32/F 32/R
20.7(33.4)	20.7(33.4)	22(35.5)	22(35.5)	22(35.5)	22(35.5)	24.9(40)	24.9(40)
Wet Disc	Wet Disc	Wet Disc	Wet Disc	Wet Disc	Wet Disc	Wet Disc	Wet Disc
Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
Dry singl plate	Dry singl plate	Dry single plate	Wet Multi plate	Dry single plate	Wet Multi plate	Wet Multi plate	Wet Multi plate
Dual Gear Pump	Dual Gear Pump	Dual gear pump	Dual gear pump	Dual gear pump	Dual gear pump	Dual Gear Pump	Dual Gear Pump
9.5(36.1)	9.5(36.1)	10.5(39.6)	10.5(39.6)	10.5(39.6)	10.5(39.6)	15.1(57.3)	15.1(57.3)
5.0(19.0)	5.0(19.0)	4.7(17.6)	4.7(17.6)	4.7(17.6)	4.7(17.6)	6.9(26)	6.9(26)
14.5(55.1)	14.5(55.1)	15.1(57.2)	15.1(57.2)	15.1(57.2)	15.1(57.2)	22(83.3)	22(83.3)
I	I	II	II	II	II	II	II
2865(1300)	2865(1300)	4270(1937)	4270(1937)	4270(1937)	4270(1937)	6860(3110)	6860(3110)
2105(955)	2105(955)	2528(1147)	2528(1147)	2528(1147)	2528(1147)	5490(2490)	5490(2490)
Position/Draft standard	Position/Draft standard	Position/Draft standard	Position/Draft standard	Position/Draft standard	Position/Draft standard	Pos/Draft/Elec standard	Pos/Draft/Elec standard
2	2	3	3	3	3	3	3
Independent Electric/Hydro	Independent Electric/Hydro	Independent Electric/Hydro	Independent Electric/Hydro	Independent Electric/Hydro	Independent Electric/Hydro	Independent Electric/Hydro	Independent Electric/Hydro
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
540	540	540 / 1000	540 / 1000	540 / 1000	540 / 1000	540/750/1000	540/750/1000
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)
17(60)	17(60)	18.48(70)	18.48(70)	18.48(70)	18.48(70)	33.28 (125)	33.28 (125)
9.0(8.5)	9.0(8.5)	9.5 (9)	9.5 (9)	9.5 (9)	9.5 (9)	11.6(11)	11.6(11)
8.4(8.2)	8.4(8.2)	7.1 (6.7)	7.1 (6.7)	7.1 (6.7)	7.1 (6.7)	6.8(6.5)	6.8(6.5)
9.2(35)	9.2(35)	11(42)	11(42)	11(42)	11(42)	19.8(75)	19.8(75)
10.5(10)	10.5(10)	17.4(16.5)	17.4(16.5)	17.4(16.5)	17.4(16.5)	18.5(17.5)	18.5(17.5)
141.3(3590)	141.3(3590)	146.5(3722)	146.5(3722)	146.5(3722)	146.5(3722)	162(4110)	162(4110)
62.6(1591)	62.6(1591)	71.5 (1817)	71.5 (1817)	71.5 (1817)	71.5 (1817)	87.9(2232)	87.9(2232)
76.2(1935)	76.2(1935)	83 (2100)	83 (2100)	83 (2100)	83 (2100)	90.55(2300)	90.55(2300)
101.9(2590)	99.6(2530)	101.9(2590)	101.9(2590)	101.9(2590)	101.9(2590)	107(2718)	107(2718)
13.8(350)	9.6(245)	17.9 (455)	17.9 (455)	17.9 (455)	17.9 (455)	15.1(383)	15.1(383)
131.9(3352)	131.9(3352)	150.1(3815)	150.1(3815)	150.1(3815)	150.1(3815)	146(3700)	146(3700)
150.4(3820)	150.4(3820)	162.2(4120)	162.2(4120)	162.2(4120)	162.2(4120)	162(4120)	162(4120)
8.0-16	8.0-16	9.50-20	9.50-20	9.50-20	9.50-20	13.6-24-8PR	13.6-24-8PR
13.6-24	13.6-24	14.9-28	14.9-28	14.9-28	14.9-28	16.9-34-8PR	16.9-34-8PR
12-16.5	12-16.5	12-16.5	12-16.5	12-16.5	12-16.5	-	-
17.5L-24	17.5L-24	16.9-24	16.9-24	16.9-24	16.9-24	-	-
ROPS	CAB	ROPS	ROPS	CAB	CAB	CAB	CAB
4188(1900)	4607(2090)	5204(2360)	5204(2360)	5380(2440)	5380(2440)	8124(3685)	8124(3685)

