



1500 SERIES

- #1 Selling Tractor in the World
- 97% Customer Satisfaction Rating
- 5-year Powertrain Warranty
- 98% Customer Loyalty Rating



DEMING PRIZE
2003



JAPAN QUALITY MEDAL
2007

Mahindra
Rise.

SUPERIOR PERFORMANCE. GREATER VALUE.

- Superior lift capacity = Lift heavier loads
- 5 year warranty = Peace of mind
- Professional grade construction = Bigger, thicker, more solid components
- Heavier, sturdier chassis = Greater traction, stability & safety



1538 HST Cab



1533 4WD Shuttle



1533 4WD HST

Mahindra 1533 Shuttle

Comparison Charts

TRACTOR MODEL	MAHINDRA 1533	KUBOTA L3301	JOHN DEERE 3033R	NEW HOLLAND BOOMER 33
ENGINE				
Cylinders	4	3	3	3
Engine HP(kw) @ RPM (EPA Certification)	34.5 (25.7) @ 2400 (T4)	33 (24.6) @ 2800 (T4)	32.2 (23.7) @ 2600 (T4)	32.2 (24) @ 2600 (T4)
Displacement in ³ (cc)	166.7 (2732)	111.4 (1826)	100.2 (1640)	92 (1500)
PTO HP (kW)	25.2 (18.8)	27.7 (20.6)	24.8 (18.5)	26 (19.4)
PTO RPM	540 @ 2376	540 @ 2430	540 @ Not published	540 @ Not published
Mid PTO RPM	2000 @ 2525	N/A	2100 @ Not published	2000 @ Not published
TRANSMISSION				
Type	Constant mesh on gear shift and synchro mesh on forward/rev shuttle	Sliding gear and constant mesh	Power Shuttle	Fully synchronized
Number of Speeds	8F / 8R	8F / 4R	12F / 12R	12F / 12R
HYDRAULICS				
Type	Open center, full live hydraulic with position control	Open center, full live hydraulic with position control	Open center, full live hydraulic with position control	Open center, full live hydraulic with position control
Total Pump Output, Main (gallons per minute)	7.7	6.5	8.6	8.2
Total Pump Output, Steering (gallons per minute)	3.4	4	5.3	4.2
Lift Capacity (lbs.)	2646	1998	2530	1807
OPERATING WEIGHT				
Total (lbs.)	3175	2734	2900	2804
DIMENSIONS				
Overall Length Inches (mm)	127.8 (3245)	107.9 (2740)	Not published	119 (3024)
Overall Width Inches (mm)	63 (1600)	55.1 (1400)	Not published	66.4 (1687)
Overall Height Inches (mm)	90.2 (2290)	91.7 (2330)	93.3 (2370)	92.7 (2356)
TIRES				
Ag (Front / Rear)	7x16 / 11.2x24	7.2-16 / 11.2-24	7 - 14 6PR / 11.2 - 24 6PR	7x14 / 11.2x24
Industrial (Front / Rear)	27x8.50-15 / 15x19.5	27x8.5-15 / 15-19.5	25 x 8.5 - 14 6PR / 15 - 19.5 6PR	25x8.50-14 / 43x16-20
Turf (Front / Rear)	25x8.5-14 / 13.6x16	25x8.5-14 / 13.6-16	27 x 8.5 - 15 6PR / 41 x 14 - 20 4PR	25x8.50-14 / 41x14-20
LOADER				
Model No.	1538L	LA525FL	H160	240TL
Max Lift height (in)	99	94.3	90	97.6
Digging depth (in)	6	6.9	2.9	8.5
Lift capacity to full height @ pivot pin (lbs)	1650	1131	1360	1370
Breakout force @ pivot pin(lbs)	2650	2462	2855	2925

Mahindra 1533 Shuttle

Specification Charts

ENGINE	
Type	Naturally aspirated direct injection diesel
Cylinders	4
Engine HP (kW) @ rpm	34.5 (25.7) @ 2400
Compression Ratio	19.5:1
Displacement cubic inch ³ (cc)	166.7 (2732)
Fuel Tank Capacity	7.7 gallons
ELECTRICAL	
Battery Capacity	12V 46Ah
Alternator	12V 90Ah
CLUTCH	
Type	Single plate, dry
TRANSMISSION	
Type	Constant mesh on gear shift, synchro mesh on F/R shuttle
Number of Gears / Speeds	8F / 8R
STEERING	
Type	Hydrostatic Power
Pump Output (gallons per minute)	3.4
BRAKES	
Type	Wet disc
HYDRAULIC SYSTEM	
Type	Open center, full-live hydraulic with position control
Pump Output (gallons per minute)	7.7
3-Point Linkage	Category 1, with telescopic stabilizers
Lift Capacity (lbs.)	2646
Rear Auxiliary Remote Valves	1 spool optional
PTO	
Type	Independent
PTO RPM (engine rpm)	540 @ 2376
Mid PTO RPM (engine rpm)*	2000 @ 2525*
PTO HP (kW)	25.2 (18.8)
OPERATING WEIGHT	
Total (lbs.)	3175
DIMENSIONS with Industrial Tires	
Overall Length Inches (mm)	127.8 (3245)
Overall Width Inches (mm)	63 (1600)
Turning Radius Minimum Feet (meters)	9.2 (2.8)
Overall Height Inches (mm)	90.2 (2290)
TIRES Sizes and Options	
Ag (Front / Rear)	7x16 / 11.2x24
Industrial (Front / Rear)	27x8.5-15 / 15x19.5
Turf (Front / Rear)	25 x 8.5 - 14 / 13.6 x 16

* optional

LOADER 1538L	
Maximum Lift Height	99.0"
Clearance with Attachment Dumped	79.8"
Reach at Maximum Height	20.5"
Maximum Dump Angle	42°
Attachment Rollback Angle	19°
Digging Depth Below Grade	6.0"
Lift Capacity to Full Height @ Pivot Pins	1650
Breakout Force @ Pivot Pins	2650
Rated Flow (Tractor System)	11 gpm
Attachment Width	60"
Attachment Rated Capacity	8.6 ft ³
Cycle Times @ rpm	2600
Raise Boom (seconds)	3.9
Lower Boom (seconds)	2.4
Dump Attachment (seconds)	2.6
Retract Attachment (seconds)	2.6
Loader Transport Weight	780
BACKHOE	
BACKHOE MODEL	1538B
TRANSPORT	
Transport Height	119"
Transport Overhang	44.7"
OPERATIONAL	
Maximum Digging Depth	94"
Digging Depth (2 Ft.) Flat Bottom	92"
Overall Operating Height - Fully Raised	120"
Loading Height (bucket @ 60°)	63"
Loading Reach (bucket @ 60°)	51"
Reach From Swing Post	127"
Bucket Rotation	175°
Swing Arc	180°
Stabilizer Spread Operating Position	101"
Stabilizer Down Below Grade	11"
System Relief Valve Setting (psi)	2050
Digging Force - Bucket (lbs.)	2900
Digging Force - Dipper (lbs.)	1800
Backhoe Transport Weight	1271

Cab Features

- including, but not limited to -
- HVAC
 - Wide opening doors
 - Work Lights
 - Large glass surface area (clear 360° view)
 - Excellent headroom and visibility

Mahindra 1533 HST

Comparison Charts

TRACTOR MODEL	MAHINDRA 1533	KUBOTA L3301	JOHN DEERE 3033R	NEW HOLLAND BOOMER 33
ENGINE				
Cylinders	4	3	3	3
Engine HP(kw) @ RPM (EPA Certification)	34.5 (25.7) @ 2400 (T4)	33 (24.6) @ 2800 (T4)	32.2 (23.7) @ 2600 (T4)	32.2 (24) @ 2600 (T4)
Displacement in ³ (cc)	166.7 (2732)	111.4 (1826)	100.2 (1640)	92 (1500)
PTO HP (kW)	24.7 (18.4)	26.2 (19.5)	24.3 (18.1)	24.7 (18.4)
PTO RPM	540 @ 2376	540 @ 2430	540 @ Not published	540 @ Not published
Mid PTO RPM	2000 @ 2525	N/A	2100 @ Not published	2000 @ Not published
TRANSMISSION				
Type	HST - 3 range	HST - 3 range	HST - 3 range	HST - 3 range
Number of Speeds	Infinite	Infinite	Infinite	Infinite
HYDRAULICS				
Type	Open center, full live hydraulic with position control	Open center, full live hydraulic with position control	Open center, full live hydraulic with position control	Open center, full live hydraulic with position control
Total Pump Output, Main (gallons per minute)	7.7	6.5	8.6	8.2
Total Pump Output, Steering (gallons per minute)	3.4	4	5.3	5.3
Lift Capacity (lbs.)	2646	1998	2530	1807
OPERATING WEIGHT				
Total (lbs.)	3164	2623	2900	2870
DIMENSIONS				
Overall Length Inches (mm)	127.8 (3245)	107.9 (2740)	Not published	119 (3024)
Overall Width Inches (mm)	63 (1600)	55.1 (1400)	Not published	66.4 (1687)
Overall Height Inches (mm)	90.2 (2290)	91.7 (2330)	93.3 (2370)	92.7 (2356)
TIRES				
Ag (Front / Rear)	7x16 / 11.2x24	7-16 / 11.2-24	7 - 14 6PR / 11.2 - 24 6PR	7x14 / 11.2x24
Industrial (Front / Rear)	27x8.50-15 / 15x19.5	27x8.5-15 / 15-19.5	25 x 8.5 - 14 6PR / 15 - 19.5 6PR	25x8.50-14 / 43x16-20
Turf Tires (Front / Rear)	25x8.5-14 / 13.6x16	25x8.5-14 / 13.6-16	27 x 8.5 - 15 6PR / 41 x 14 - 20 4PR	25x8.50-14 / 41x14-20
LOADER				
Model No.	1538L	LA525FL	H160	240TL
Max Lift height (in)	99	94.3	90	97.6
Digging depth (in)	6	6.9	2.9	8.5
Lift capacity to full height @ pivot pin (lbs)	1650	1131	1360	1370
Breakout force @ pivot pin(lbs)	2650	2462	2855	2925

Mahindra 1533 HST

Specification Charts

ENGINE	
Type	Naturally aspirated direct injection diesel
Cylinders	4
Engine HP (kW) @ rpm	34.5 (25.7) @ 2400
Compression Ratio	19.5:1
Displacement cubic inch ³ (cc)	166.7 (2732)
Fuel Tank Capacity	7.7 gallons
ELECTRICAL	
Battery Capacity	12V 46Ah
Alternator	12V 90Ah
CLUTCH	
Type	Single plate, dry
TRANSMISSION	
Type	3 ranges
Number of Gears / Speeds	Infinite
STEERING	
Type	Hydrostatic Power
Pump Output (gallons per minute)	3.4
BRAKES	
Type	Wet disc
HYDRAULIC SYSTEM	
Type	Open center, full-flow hydraulic with position control
Pump Output (gallons per minute)	7.7
3-Point Linkage	Category 1, with telescopic stabilizers
Lift Capacity (lbs.)	2646
Rear Auxiliary Remote Valves	1 spool optional
PTO	
Type	Live
PTO RPM (engine rpm)	540 @ 2376
Mid PTO RPM (engine rpm)*	2000 @ 2525*
PTO HP (kW)	24.7 (18.4)
OPERATING WEIGHT	
Total (lbs.)	3164
DIMENSIONS with Industrial Tires	
Overall Length Inches (mm)	127.8 (3245)
Overall Width Inches (mm)	63 (1600)
Turning Radius Minimum Feet (meters)	9.2 (2.8)
Overall Height Inches (mm)	90.2 (2290)
TIRES Sizes and Options	
Ag (Front / Rear)	7x16 / 11.2x24
Industrial (Front / Rear)	27x8.5-15 / 15x19.5
Turf (Front / Rear)	25 x 8.5 - 14 / 13.6 x 16

* optional

LOADER 1538L	
Maximum Lift Height	99.0"
Clearance with Attachment Dumped	79.8"
Reach at Maximum Height	20.5"
Maximum Dump Angle	42°
Attachment Rollback Angle	19°
Digging Depth Below Grade	6.0"
Lift Capacity to Full Height @ Pivot Pins	1650
Breakout Force @ Pivot Pins	2650
Rated Flow (Tractor System)	11 gpm
Attachment Width	60"
Attachment Rated Capacity	8.6 ft ³
Cycle Times @ rpm	2600
Raise Boom (seconds)	3.9
Lower Boom (seconds)	2.4
Dump Attachment (seconds)	2.6
Retract Attachment (seconds)	2.6
Loader Transport Weight	780
BACKHOE	
BACKHOE MODEL	1538B
TRANSPORT	
Transport Height	119"
Transport Overhang	44.7"
OPERATIONAL	
Maximum Digging Depth	94"
Digging Depth (2 Ft.) Flat Bottom	92"
Overall Operating Height - Fully Raised	120"
Loading Height (bucket @ 60°)	63"
Loading Reach (bucket @ 60°)	51"
Reach From Swing Post	127"
Bucket Rotation	175°
Swing Arc	180°
Stabilizer Spread Operating Position	101"
Stabilizer Down Below Grade	11"
System Relief Valve Setting (psi)	2050
Digging Force - Bucket (lbs.)	2900
Digging Force - Dipper (lbs.)	1800
Backhoe Transport Weight	1271

Cab Features

- including, but not limited to -
- HVAC
 - Wide opening doors
 - Work Lights
 - Large glass surface area (clear 360° view)
 - Excellent headroom and visibility

Mahindra 1538 Shuttle

Comparison Charts

TRACTOR MODEL	MAHINDRA 1538	KUBOTA L3901	JOHN DEERE 3039	NEW HOLLAND BOOMER 37
ENGINE				
Cylinders	4	3	3	3
Engine HP(kw) @ RPM (EPA Certification)	38.7 (28.8) @ 2400 (T4)	37.4 (27.9) @ 2700 (T4)	38.7 (28.5) @ 2600 (T4)	36.2 (27) @ 2600 (T4)
Displacement in ³ (cc)	166.7 (2732)	111.4 (1826)	91.5 (1500)	92 (1500)
PTO HP (kW)	29.9 (22.3)	32.1 (23.9)	31.6 (23.5)	29.6 (22.1)
PTO RPM	540 @ 2376	540 @ 2425	540 @ Not published	540 @ Not published
Mid PTO RPM	2000 @ 2525	N/A	2100 @ Not published	2000 @ Not published
TRANSMISSION				
Type	Constant mesh on gear shift and synchro mesh on forward/rev shuttle	Sliding gear and constant mesh	Synchro with power reverser	Fully synchronized
Number of Speeds	8F x 8R	8F / 4R	12F / 12R	12F / 12R
HYDRAULICS				
Type	Open center, full live hydraulic with position control	Open center, full live hydraulic with position control	Open center, full live hydraulic with position control	Open center, full live hydraulic with position control
Total Pump Output, Main (gallons per minute)	7.7	6.3	8.6	8.2
Total Pump Output, Steering (gallons per minute)	3.4	3.8	5.3	4.2
Lift Capacity (lbs.)	2646	1998	2530	1807
OPERATING WEIGHT				
Total (lbs.)	3186	2767	2900	2804
DIMENSIONS				
Overall Length Inches (mm)	127.8 (3245)	107.9 (2740)	Not published	119 (3024)
Overall Width Inches (mm)	62 (1575)	55.1 (1400)	Not published	66.4 (1687)
Overall Height Inches (mm)	91.5 (2325)	91.7 (2330)	93.3 (2370)	92.7 (2356)
TIRES				
Ag (Front / Rear)	7-16 / 11.2-24	7.2-16 / 11.2-24	7-14 / 11.2-24	7 x 14 6PR / 11.2 x 24 4PR
Industrial (Front / Rear)	28x8.5-15 / 43x16-20	27x8.5-15 / 15-19.5	25x8.5-14 / 15-19.5	25 x 8.50-14 / 43X16.00-20
Turf Tires (Front / Rear)	27x10.5-15 / 41x14-20	25x8.5-14 / 13.6-16	27x8.5-15 / 41x14-20	25X8.50-14 4PR / 41X14.00-20 4PR
LOADER				
Model No.	1538L	LA525FL	H160	240TL
Max Lift height (in)	99	94.3	90	97.6
Digging depth (in)	6	6.9	2.9	8.5
Lift capacity to full height @ pivot pin (lbs)	1650	1131	1360	1370
Breakout force @ pivot pin(lbs)	2650	2462	2855	2925

Mahindra 1538 Shuttle

Specification Charts

ENGINE	
Type	Naturally aspirated direct injection diesel
Cylinders	4
Engine HP (kW) @ rpm	38.7 (28.8) @ 2400
Compression Ratio	19.5:1
Displacement cubic inch ³ (cc)	166.7 (2732)
Fuel Tank Capacity	7.7 gallons
ELECTRICAL	
Battery Capacity	12V 46Ah
Alternator	12V 90Ah
CLUTCH	
Type	Single plate, dry
TRANSMISSION	
Type	Constant mesh on gear shift, synchro mesh on F/R shuttle
Number of Gears / Speeds	8F / 8R
STEERING	
Type	Hydrostatic Power
Pump Output (gallons per minute)	3.4
BRAKES	
Type	Wet disc
HYDRAULIC SYSTEM	
Type	Open center, full-live hydraulic with position control
Pump Output (gallons per minute)	7.7
3-Point Linkage	Category 1, with telescopic stabilizers
Lift Capacity (lbs.)	2646
Rear Auxiliary Remote Valves	1 spool optional
PTO	
Type	Independent
PTO RPM (engine rpm)	540 @ 2376
Mid PTO RPM (engine rpm)*	2000 @ 2525*
PTO HP (kW)	29.9 (22.3)
OPERATING WEIGHT	
Total (lbs.)	3186
DIMENSIONS with Industrial Tires	
Overall Length Inches (mm)	127.8 (3245)
Overall Width Inches (mm)	62 (1575)
Turning Radius Minimum Feet (meters)	9.2 (2.8)
Overall Height Inches (mm)	91.5 (2325)
TIRES Sizes and Options	
Ag (Front / Rear)	7x16 / 11.2x24
Industrial (Front / Rear)	28x8.5-15 / 43x16-20
Turf (Front / Rear)	27 x 10.5 - 15 / 41 x 14 - 20

* optional

LOADER 1538L	
Maximum Lift Height	99.0"
Clearance with Attachment Dumped	79.8"
Reach at Maximum Height	20.5"
Maximum Dump Angle	42°
Attachment Rollback Angle	19°
Digging Depth Below Grade	6.0"
Lift Capacity to Full Height @ Pivot Pins	1650
Breakout Force @ Pivot Pins	2650
Rated Flow (Tractor System)	11 gpm
Attachment Width	60"
Attachment Rated Capacity	8.6 ft ³
Cycle Times @ rpm	2600
Raise Boom (seconds)	3.9
Lower Boom (seconds)	2.4
Dump Attachment (seconds)	2.6
Retract Attachment (seconds)	2.6
Loader Transport Weight	780
BACKHOE	
BACKHOE MODEL	1538B
TRANSPORT	
Transport Height	119"
Transport Overhang	44.7"
OPERATIONAL	
Maximum Digging Depth	94"
Digging Depth (2 Ft.) Flat Bottom	92"
Overall Operating Height - Fully Raised	120"
Loading Height (bucket @ 60°)	63"
Loading Reach (bucket @ 60°)	51"
Reach From Swing Post	127"
Bucket Rotation	175°
Swing Arc	180°
Stabilizer Spread Operating Position	101"
Stabilizer Down Below Grade	11"
System Relief Valve Setting (psi)	2050
Digging Force - Bucket (lbs.)	2900
Digging Force - Dipper (lbs.)	1800
Backhoe Transport Weight	1271

Cab Features

- including, but not limited to -
- HVAC
 - Wide opening doors
 - Work Lights
 - Large glass surface area (clear 360° view)
 - Excellent headroom and visibility

Mahindra 1538 HST

Comparison Charts

TRACTOR MODEL	MAHINDRA 1538	KUBOTA L3901	JOHN DEERE 3039	NEW HOLLAND BOOMER 37
ENGINE				
Cylinders	4	3	3	3
Engine HP(kw) @ RPM (EPA Certification)	38.7 (28.8) @ 2400 (T4)	37.4 (27.9) @ 2700 (T4)	38.7 (28.5) @ 2600 (T4)	36.2 (27) @ 2600 (T4)
Displacement in ³ (cc)	166.7 (2732)	111.4 (1826)	91.5 (1500)	92 (1500)
PTO HP (kW)	27.7 (20.6)	30.6 (22.8)	31.1 (23.2)	29.6 (22.1)
PTO RPM	540 @ 2376	540 @ 2580	540 @ Not published	540 @ Not published
Mid PTO RPM	2000 @ 2525	N/A	2100 @ Not published	2000 @ Not published
TRANSMISSION				
Type	HST - 3 range	HST - 3 range	HST - 3 range	HST - 3 range
Number of Speeds	Infinite	Infinite	Infinite	Infinite
HYDRAULICS				
Type	Open center, full live hydraulic with position control	Open center, full live hydraulic with position control	Open center, full live hydraulic with position control	Open center, full live hydraulic with position control
Total Pump Output, Main (gallons per minute)	7.7	6.3	8.6	8.2
Total Pump Output, Steering (gallons per minute)	3.4	3.8	5.3	5.3
Lift Capacity (lbs.)	2646	1998	2530	1807
OPERATING WEIGHT				
Total (lbs.)	3175	2778	2900	2870
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Overall Length Inches (mm)	127.8 (3245)	107.8 (2740)	Not published	119 (3024)
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Overall Height Inches (mm)	91.5 (2325)	91.7 (2330)	93.3 (2370)	92.7 (2356)
TIRES				
Ag (Front / Rear)	7-16 / 11.2-24	7-16 / 11.2-24	7-14 / 11.2-24	7 x 14 6PR / 11.2 x 24 4PR
Industrial (Front / Rear)	28x8.5-15 / 43x16-20	27x8.5-15 / 15x19.5	25x8.5-14 / 15-19.5	25 x 8.50-14 / 43X16.00-20
Turf Tires (Front / Rear)	27x10.5-15 / 41x14-20	25x8.5-14 / 13.6-16	27x8.5-15 / 41x14-20	25X8.50-14 4PR / 41X14.00-20 4PR
LOADER				
Model No.	1538L	LA525FL	H160	240TL
Max Lift height (in)	99	94.3	90	97.6
Digging depth (in)	6	6.9	2.9	8.5
Lift capacity to full height @ pivot pin (lbs)	1650	1131	1360	1370
Breakout force @ pivot pin(lbs)	2650	2462	2855	2925

Mahindra 1538 HST

Specification Charts

ENGINE	
Type	Naturally aspirated direct injection diesel
Cylinders	4
Engine HP (kW) @ rpm	38.7 (28.8) @ 2400
Compression Ratio	19.5:1
Displacement cubic inch ³ (cc)	166.7 (2732)
Fuel Tank Capacity	7.7 gallons
ELECTRICAL	
Battery Capacity	12V 46Ah
Alternator	12V 90Ah
CLUTCH	
Type	Single plate, dry
TRANSMISSION	
Type	3 ranges
Number of Gears / Speeds	Infinite
STEERING	
Type	Hydrostatic Power
Pump Output (gallons per minute)	3.4
BRAKES	
Type	Wet disc
HYDRAULIC SYSTEM	
Type	Open center, full-hive hydraulic with position control
Pump Output (gallons per minute)	7.7
3-Point Linkage	Category 1, with telescopic stabilizers
Lift Capacity (lbs.)	2646
Rear Auxiliary Remote Valves	1 spool optional
PTO	
Type	Live
PTO RPM (engine rpm)	540 @ 2376
Mid PTO RPM (engine rpm)*	2000 @ 2525*
PTO HP (kW)	27.7 (20.6)
OPERATING WEIGHT	
Total (lbs.)	3175
DIMENSIONS with Industrial Tires	
Overall Length Inches (mm)	127.8 (3245)
Overall Width Inches (mm)	62 (1575)
Turning Radius Minimum Feet (meters)	9.2 (2.8)
Overall Height Inches (mm)	91.5 (2325)
TIRES Sizes and Options	
Ag (Front / Rear)	7x16 / 11.2x24
Industrial (Front / Rear)	28x8.5-15 / 43x16-20
Turf (Front / Rear)	27 x 10.5 - 15 / 41 x 14 - 20

* optional

LOADER 1538L	
Maximum Lift Height	99.0"
Clearance with Attachment Dumped	79.8"
Reach at Maximum Height	20.5"
Maximum Dump Angle	42°
Attachment Rollback Angle	19°
Digging Depth Below Grade	6.0"
Lift Capacity to Full Height @ Pivot Pins	1650
Breakout Force @ Pivot Pins	2650
Rated Flow (Tractor System)	11 gpm
Attachment Width	60"
Attachment Rated Capacity	8.6 ft ³
Cycle Times @ rpm	2600
Raise Boom (seconds)	3.9
Lower Boom (seconds)	2.4
Dump Attachment (seconds)	2.6
Retract Attachment (seconds)	2.6
Loader Transport Weight	780
BACKHOE	
BACKHOE MODEL	1538B
TRANSPORT	
Transport Height	119"
Transport Overhang	44.7"
OPERATIONAL	
Maximum Digging Depth	94"
Digging Depth (2 Ft.) Flat Bottom	92"
Overall Operating Height - Fully Raised	120"
Loading Height (bucket @ 60°)	63"
Loading Reach (bucket @ 60°)	51"
Reach From Swing Post	127"
Bucket Rotation	175°
Swing Arc	180°
Stabilizer Spread Operating Position	101"
Stabilizer Down Below Grade	11"
System Relief Valve Setting (psi)	2050
Digging Force - Bucket (lbs.)	2900
Digging Force - Dipper (lbs.)	1800
Backhoe Transport Weight	1271

Cab Features

- including, but not limited to -
- HVAC
 - Wide opening doors
 - Work Lights
 - Large glass surface area (clear 360° view)
 - Excellent headroom and visibility

Mahindra 1538 HST Cab

Comparison Charts

TRACTOR MODEL	MAHINDRA 1538 CAB	KUBOTA L3560	JOHN DEERE 3039	NEW HOLLAND BOOMER 3040
ENGINE				
Cylinders	4	3	3	4
Engine HP(kw) @ RPM (EPA Certification)	38.7 (28.8) @ 2400 (T4)	37 (27.6) @ 2600 (T4)	38.7 (28.5) @ 2600 (T4)	40 (29.8) @ 2600 (T3)
Displacement in ³ (cc)	166.7 (2732)	111.4 (1828)	91.5 (1500)	121.7 (2000)
PTO HP (kW)	27.7 (20.6)	28 (20.9)	31.1 (23.2)	32 (23.8)
PTO RPM	540 @ 2376	540 @ 2550	540 @ Not published	540 @ Not published
Mid PTO RPM	2000 @ 2525	2000 @ Not published	2100 @ Not published	Not published
TRANSMISSION				
Type	HST - 3 range	HST plus - 3 range	HST - 3 range	CVT - 3 mode
Number of Speeds	Infinite	Infinite	Infinite	Infinite
HYDRAULICS				
Type	Open center, full live hydraulic with position control	Open centre, full live hydraulic with Position Control, draft optional	Open center, full live hydraulic with position control	Open center, full live hydraulic with position control
Total Pump Output, Main (gallons per minute)	7.7	8.1	8.6	9.8
Total Pump Output, Steering (gallons per minute)	3.4	4.7	5.3	5.1
Lift Capacity (lbs.)	2646	2646 @ 24" behind	2530	3275
OPERATING WEIGHT				
Total (lbs.)	3627	3880	3570	4046
DIMENSIONS				
Overall Length Inches (mm)	127.8 (3245)	115 (2920)	Not published	122 (3099)
Overall Width Inches (mm)	62 (1575)	59.8 (1520)	Not published	68.4 (1737)
Overall Height Inches (mm)	89.4 (2270)	90.6 (2300)	93.3 (2370)	90.3 (2294)
TIRES				
Ag (Front / Rear)	7-16 / 11.2-24	7.2-16 / 12.4-24	7-14 / 11.2-24	8 x 16 / 14.9 - 24
Industrial (Front / Rear)	28x8.5-15 / 43x16-20	10-16.5 / 420/70-24	25x8.5-14 / 15-19.5	10 - 16.5 / 17.5 - 24
Turf (Front / Rear)	27x10.5-15 / 41x14-20	29x12.5-15 / 44x18-20	27x8.5-15 / 41x14-20	27x12-15 / 22.5LL x 16.1
LOADER				
Model No.	1538L	LA555	H160	250TL
Max Lift height (in)	99	92.9	90	106.8
Digging depth (in)	6	8.4	2.9	3
Lift capacity to full height @ pivot pin (lbs)	1650	1190	1360	1940
Breakout force @ pivot pin(lbs)	2650	1955 (500mm forward)	2855	3470

Mahindra 1538 HST Cab

Specification Charts

ENGINE	
Type	Naturally aspirated direct injection diesel
Cylinders	4
Engine HP (kW) @ rpm	38.7 (28.8) @ 2400
Compression Ratio	19.5:1
Displacement cubic inch ³ (cc)	166.7 (2732)
Fuel Tank Capacity	7.7 gallons
ELECTRICAL	
Battery Capacity	12V 46Ah
Alternator	12V 90Ah
CLUTCH	
Type	Single plate, dry
TRANSMISSION	
Type	3 ranges
Number of Gears / Speeds	Infinite
STEERING	
Type	Hydrostatic Power
Pump Output (gallons per minute)	3.4
BRAKES	
Type	Wet disc
HYDRAULIC SYSTEM	
Type	Open center, full-flive hydraulic with position control
Pump Output (gallons per minute)	7.7
3-Point Linkage	Category 1, with telescopic stabilizers
Lift Capacity (lbs.)	2646
Rear Auxiliary Remote Valves	1 spool optional
PTO	
Type	Live
PTO RPM (engine rpm)	540 @ 2376
Mid PTO RPM (engine rpm)*	2000 @ 2525*
PTO HP (kW)	27.7 (20.6)
OPERATING WEIGHT	
Total (lbs.)	3627
DIMENSIONS with Industrial Tires	
Overall Length Inches (mm)	127.8 (3245)
Overall Width Inches (mm)	62 (1575)
Turning Radius Minimum Feet (meters)	9.2 (2.8)
Overall Height Inches (mm)	89.4 (2270)
TIRES Sizes and Options	
Ag (Front / Rear)	7x16 / 11.2x24
Industrial (Front / Rear)	28x8.5-15 / 43x16-20
Turf (Front / Rear)	27 x 10.5 - 15 / 41 x 14 - 20

* optional

LOADER 1538L	
Maximum Lift Height	99.0"
Clearance with Attachment Dumped	79.8"
Reach at Maximum Height	20.5"
Maximum Dump Angle	42°
Attachment Rollback Angle	19°
Digging Depth Below Grade	6.0"
Lift Capacity to Full Height @ Pivot Pins	1650
Breakout Force @ Pivot Pins	2650
Rated Flow (Tractor System)	11 gpm
Attachment Width	60"
Attachment Rated Capacity	8.6 ft ³
Cycle Times @ rpm	2600
Raise Boom (seconds)	3.9
Lower Boom (seconds)	2.4
Dump Attachment (seconds)	2.6
Retract Attachment (seconds)	2.6
Loader Transport Weight	780
BACKHOE	
BACKHOE MODEL	1538CB
TRANSPORT	
Transport Height	66"
Transport Overhang	38"
OPERATIONAL	
Maximum Digging Depth	78"
Digging Depth (2 Ft.) Flat Bottom	76.5"
Overall Operating Height - Fully Raised	112"
Loading Height (bucket @ 60°)	62"
Loading Reach (bucket @ 60°)	34"
Reach From Swing Post	106"
Bucket Rotation	180°
Swing Arc	150°
Stabilizer Spread Operating Position	74"
Stabilizer Down Below Grade	6"
System Relief Valve Setting (psi)	2000
Digging Force - Bucket (lbs.)	2535
Digging Force - Dipper (lbs.)	1337
Backhoe Transport Weight	810

Cab Features

including, but not limited to -

- HVAC
- Wide opening doors
- Work Lights
- Large glass surface area (clear 360° view)
- Excellent headroom and visibility