



mFORCE™ SERIES

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



mFORCE 105P

Mahindra mFORCE™ 105S

Comparison Charts

TRACTOR MODEL	MAHINDRA MFORCE 105S	KUBOTA M9960	JOHN DEERE 5100E	NEW HOLLAND T4.105
ENGINE				
Cylinders	4	4	4	4
Engine HP(kw) @ RPM (EPA Certification)	105 (78.3) @ 2300 (T4)	95 (70.9) @ 2600 (T3)	105 (78) @ 2200 (T3)	106 (78.2) @ 2300 (T3)
Displacement in ³ (cc)	208 (3409)	230 (3769)	276 (4500)	207 (3400)
PTO HP (kW)	95.5 (70.2)	84 (62.6)	86 (64)	91 (67.8)
PTO RPM	540 at 2220, 1000 at 2227	540 std @ 2205 (540E @ 1520) 1000 optional @ 2389	540 @ 2085 / 1000 @ 2067	540 @ Not published / 1000 @ Not published
TRANSMISSION				
Type	Power shuttle with synchromesh	Forward-Rev Synchro shuttle with full synchromesh	Power-Reverser	Forward-Rev mechanical shuttle with full synchromesh
Number of Speeds	12F / 12R	8F / 8R	9F / 9R	12F / 12R
HYDRAULICS				
Type	Open center, full live with position and draft control	Open center, full live with position and draft control	Open center, full live with position and draft control	Open center, full live with position and draft control
Total Pump Output, Main (gallons per minute)	15.6	17	20	13
Lift Capacity (lbs.)	6860	5510	5500	3600 std (5400 opt)
OPERATING WEIGHT				
Total (lbs.)	8666	6810	8160 shipping	7936
DIMENSIONS				
Overall Length Inches (mm)	162 (4110)	148 (3760)	166 (4216)	158 (4036)
Overall Width Inches (mm)	84.3 (2141)	79 (2010)	72 (1820)	75.7 (1923)
Overall Height Inches (mm)	107 (2718)	101 (2565)	107.5 (2730)	102.1 (2594)
TIRES				
Ag (Front / Rear)	13.6R 24 / 18.4R 34	12.4-24 / 18.4-30	13.6-24 / 18.4-34	14.9-24 / 18.4-34
LOADER				
Model No.	105L	LA1353A	553	655TL
Max Lift height (in)	141.7	145.7	123	136
Digging depth (in)	9.5	7.8	2.7	7.5
Lift capacity to full height @ pivot pin (lbs)	4129	2866 (bucket center)	2917	2976 @800mm fwd
Breakout force @ pivot pin(lbs)	6025	6470	5537	3483 @800mm fwd

Mahindra mFORCE 105S

Specification Charts

ENGINE	
Type	Turbocharged, four stroke, intercooled, direct injection
Cylinders	4
Engine HP (kW) @ rpm	105 (78.3) @ 2300 (T4)
Compression Ratio	17:1
Displacement inch ³ (cc)	208 (3409)
Cylinder Sleeve	Dry
Fuel Tank Capacity (gallons)	33.3 + 5 DEF reservoir
ELECTRICAL	
Battery Capacity	12V; 110 amp hours
Alternator	12V; 85A
CLUTCH	
Type	Wet multi-plate
TRANSMISSION	
Type	Power shuttle w/synchro mesh
Number of Gears / Speeds	12F / 12R
STEERING	
Type	Hydrostatic/tiltable
Pump Output (gallons per minute)	7.1
BRAKES	
Type	Wet disk
HYDRAULIC SYSTEM	
Type	Open center, full-hive with position and draft controls
Pump Output (gallons per minute)	15.6
3-Point Linkage	Cat 2 ball joints w/telescopic lower links and adjustable outside stabilizers
Lift Capacity (lbs.)	6860
Rear Auxiliary Remote Valves	2 standard, 3 optional
PTO	
Type	Electro-hydraulic
PTO RPM (engine rpm)	540 @ 2220 / 1000 @ 2227
PTO HP (kW)	95.5 (70.2)
OPERATING WEIGHT	
Total (lbs.)	8666
DIMENSIONS with Industrial Tires	
Overall Length Inches (mm)	162 (4110)
Overall Width Inches (mm)	84.3 (2141)
Turning Radius Minimum Feet (meters)	11.98 (3.635)
Overall Height to Top of Cab inches (mm)	107 (2718)
TIRES Sizes and Options	
Ag (Front / Rear)	13.6R 24 / 18.4R 34

LOADER 105L	
Maximum Lift Height	141.7"
Clearance with Attachment Dumped	106.6"
Reach at Maximum Height	23.9"
Maximum Dump Angle	52°
Attachment Rollback Angle	40°
Digging Depth Below Grade	9.5"
Lift Capacity to Full Height @ Pivot Pins	4129
Breakout Force @ Pivot Pins	6025
Rated Flow (Tractor System)	15.6 gpm
Attachment Width	87"
Attachment Rated Capacity	20 ft ³
Cycle Times @ rpm	2200
Raise Boom (seconds)	5.2
Lower Boom (seconds)	3.7
Dump Attachment (seconds)	3.9
Retract Attachment (seconds)	2.6
Transport Weight (lbs.)	1967

Cab Features

including, but not limited to -

- HVAC
- Wide opening doors
- Flat Platform
- Pneumatic suspension seat
- Excellent headroom and visibility

Mahindra mFORCE™ 105P

Comparison Charts

TRACTOR MODEL	MAHINDRA MFORCE 105P	KUBOTA M9960	JOHN DEERE 6105D	NEW HOLLAND T5.105
ENGINE				
Cylinders	4	4	4	4
Engine HP(kw) @ RPM (EPA Certification)	105 (75.3) @ 2300 (T4)	95 (70.9) @ 2600 (T3)	100 (74.5) @ 2400 (T3)	98 (73) @ 2300 (T3)
Displacement in ³ (cc)	208 (3409)	230 (3769)	276 (4500)	207 (3400)
PTO HP (kW)	95.5 (70.2)	84 (62.6)	87 (64.8)	91 (67.8)
PTO RPM	540 @ 2220, 750 @ 2208, 1000 @ 2227	540 std @ 2205 (540E @ 1520) 1000 optional @ 2389	540/540E @ 2100/1716	540 @ Not published / 1000 @ Not published
TRANSMISSION				
Type	Power shuttle with synchromesh	Forward-Rev Synchro shuttle with full synchromesh	Power-Reverser	Forward-Rev Power shuttle with full synchromesh
Number of Speeds	24F / 24R + 8 creepers	24F / 24R	12F / 12R	12F / 12R
HYDRAULICS				
Type	Open center, full live with position and draft control	Open center, full live with position and draft control	Open center, full live with position and draft control	Open center, full live with position and draft control
Total Pump Output, Main (gallons per minute)	15.6	18.7	15.9	16.1
Lift Capacity (lbs.)	6860	7275	3213 (24" behind)	6393 (24" aft)
OPERATING WEIGHT				
Total (lbs.)	8666	6810	7937	9370
DIMENSIONS				
Overall Length Inches (mm)	162 (4110)	148 (3760)	154.5 (3924)	163.8 (4161)
Overall Width Inches (mm)	84.3 (2141)	79 (2010)	Not published	82.6 (2098)
Overall Height Inches (mm)	107 (2718)	101 (2570)	101.2 (2570)	105.4 (2677)
TIRES				
Ag (Front / Rear)	13.6R 24 / 18.4R 34	12.4-24 / 18.4-30	11L-15/480/80R30 / 12.4R24/480/80R31	14.9X24 / 18.4X33
LOADER				
Model No.	105L	LA1353A	H260	655TL
Max Lift height (in)	141.7	145.7	122	134
Digging depth (in)	9.5	7.8	4	7
Lift capacity to full height @ pivot pin (lbs)	4129	2866	3133	2632 @800mm fwd
Breakout force @ pivot pin(lbs)	6025	6470	5537	4,455 @800mm fwd

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Specification Charts

ENGINE

Type	Turbocharged, four stroke, intercooled, direct injection
Cylinders	4
Engine HP (kW) @ rpm	105 (78.3) @ 2200 (T4)
Compression Ratio	17:1
Displacement inch ³ (cc)	208 (3409)
Cylinder Sleeve	Dry
Fuel Tank Capacity (gallons)	33.3 + 5 DEF reservoir

ELECTRICAL

Battery Capacity	12V; 110 amp hours
Alternator	12V; 85A

CLUTCH

Type	Wet multi-plate
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TRANSMISSION

Type	Power shuttle, power shift w/ synchro mesh
Number of Gears / Speeds	24F / 24R w/ 8 creepers

STEERING

Type	Hydrostatic/tiltable
Pump Output (gallons per minute)	7.1

BRAKES

Type	Wet disk
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HYDRAULIC SYSTEM

Type	Open center, full-live with position and draft controls
Pump Output (gallons per minute)	15.6
3-Point Linkage	Cat 2 ball joints w/ telescopic lower links and adjustable outside stabilizers
Lift Capacity (lbs.)	6860
Rear Auxiliary Remote Valves	3 standard, 4 optional

PTO

Type	Electro-hydraulic
PTO RPM (engine rpm)	540 @ 2220 / 750 @ 2208 / 1000 @ 2227
PTO HP (kW)	95.5 (70.2)

OPERATING WEIGHT

Total (lbs.)	8666
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DIMENSIONS with Industrial Tires

Overall Length Inches (mm)	162 (4110)
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Turning Radius Minimum Feet (meters)	11.98 (3.635)
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TIRES Sizes and Options

Ag (Front / Rear)	13.6R 24 / 18.4R 34
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LOADER 105L

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Maximum Dump Angle	52°
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Digging Depth Below Grade	9.5"
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