

MAHINDRA 1816 HST

AGILE & DEPENDABLE

18 ENGINE HP • 13.5 PTO HP

PREMIUM COMPACT TRACTOR

A high performance tractor for light construction, vegetable gardening, landscaping and grounds maintenance.

- # 1 selling tractor in the world
- 5-year powertrain warranty
- Attractive Financing Options
- Heavy-duty cast-iron chassis

- Professional grade components
- Japan Quality Medal Winner
- Deming Award Winner
- Industry-leading parts support



Mahindra

TRACTOR 1816 HST

ENGINE	
Type	Four stroke, indirect injection, water cooled, diesel
Cylinders	3
Engine HP (kW) @ rpm	18 (13.4) @ 2600
Compression Ratio	23:1
Displacement cubic inch (cc)	58.1 (952)
Fuel Tank Capacity	3.4 gallons
ELECTRICAL	
Battery Capacity	12 volt, 35 amp hours
Alternator	12 volt, 40 amps
CLUTCH	
Type	Single plate, dry
TRANSMISSION	
Type	HST - 2 ranges
Number of Gears / Speeds	Infinite
FRONT WHEEL DRIVE	
Type	Mechanical
STEERING	
Type	Hydrostatic power
Pump Output (gallons per minute)	2.3
BRAKES	
Type	Wet disc
HYDRAULIC SYSTEM	
Type	Open center, full-live hydraulic with position control
Pump Output (gallons per minute)	4.5
3-Point Linkage	Category 1, with check chains
Lift Capacity (lbs.)	1400
Rear Auxiliary Remote Valves	1 spool optional
PTO	
Type	Live
PTO RPM (engine rpm)	540 @ 2376
MID PTO RPM (engine rpm)*	2,000 @ 2556* (optional)
PTO HP (kW)	13.5 (10.0)
OPERATING WEIGHT	
Total (lbs.)	1515 lbs.
DIMENSIONS With AG Tires	
Overall Length Inches (mm)	101.1 (2570)
Overall Width Inches (mm)	50.7 (1290)
Turning Radius Minimum (meters)	5.9 (1.8)
TIRES Sizes & Options	
Ag (Front / Rear)	n/a
Industrial (Front / Rear)	20x8.0-10/27x12.5-15
Turf (Front / Rear)	20x8.0-10/29x12.5-15
OPTIONS	
Mid-mount Mower	52"
Soft CAB with Canopy	✓
Snow Blowers	n/a

LOADER ML102

WITH TRACTOR MODEL 1816 HST	
Maximum Lift Height	74"
Clearance with Attachment Dumped	58.8"
Reach at Maximum Height	25"
Maximum Dump Angle	38°
Attachment Rollback Angle	20°
Digging Depth Below Grade	4"
Lift Capacity to Full Height @ Pivot Pins (lbs.)	900 lbs.
Breakout Force @ Pivot Pins (lbs.)	2000 lbs.
Rated Flow (Tractor System)	4.5 gpm
Attachment Width used for specification	48"
Attachment rated capacity used for specification	5.3 cu. ft.
Cycle Times @ rpm	2800 rpm
Raise Boom (seconds)	4.3
Lower Boom (seconds)	3.5
Dump Attachment (seconds)	2.8
Retract Attachment (seconds)	2.5
Loader Shipping Weight (lbs.)	590 lbs.
OPTIONAL ATTACHMENTS	
Grille Guard	✓
Quick Attach Adapter - Pin-On	
Bale Spear	
Pallet Fork	

BACKHOES

WITH TRACTOR MODEL 1816 HST	
Backhoe Models	1710A
TRANSPORT	
Shipping Weight (less bucket and pallet) (lbs.)	939 lbs.
Stabilizer Spread, up position	50"
Transport Height (maximum)	65"
Transport Overhang	41"
OPERATIONAL	
Maximum Digging Depth	78"
Digging Depth (2 Ft.) Flat Bottom	76"
Loading Height (bucket at 60°)	59.5"
Loading Reach (bucket at 60°)	35"
Reach from Center Line of Swing Pivot	105"
Bucket Rotation	180°
Swing Arc	175°
Stabilizer Spread, fully extended	100"
Digging Force - Bucket (lbs.)	2520 lbs.
Digging Force - Dipper (lbs.)	1340 lbs.
Hydraulic Pressure Requirements (psi)	2050 psi
Hydraulic Volume Requirements	Tractor System
Undercut	30.5"

