

# MAHINDRA 2816 GEAR/HST

## AGILITY & PERFORMANCE

**28 ENGINE HP • 23 PTO HP GEAR**

**21.5 PTO HP HST**

## PREMIUM COMPACT TRACTOR

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

- World's # 1 selling tractor brand
- 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 2816 GEAR/HST

ENGINE	GEAR	HST
Type	Four stroke, indirect injection, water-cooled, diesel	
Cylinders	3	
Engine HP (kW) @ rpm	28 (20.8) @ 2500	
Compression Ratio	22:1	
Displacement cubic inch (cc)	80.4 (1318)	
Fuel Tank Capacity	7.9 gallons	
ELECTRICAL		
Battery Capacity	12 volt, 46 amp hours	
Alternator	12 volt, 50 amps	
CLUTCH		
Type	Dual plate, dry	Single plate, dry
TRANSMISSION		
Type	Constant mesh on gear shift and sliding mesh on range selection	3 ranges
Number of Gears / Speeds	9 F, 3 R	Infinite
FRONT WHEEL DRIVE		
Type	Mechanical	
STEERING		
Type	Hydrostatic power	
Pump Output (gallons per minute)	3.5	
BRAKES		
Type	Wet Disc	
HYDRAULIC SYSTEM		
Type	Open center, full-live hydraulic with position control	
Pump Output (gallons per minute)	7.8	
3-Point Linkage	Category 1, with check chains	
Lift Capacity (lbs.)	2205	
Rear Auxiliary Remote Valves	1 spool optional	
PTO		
Type	Live	
PTO RPM (engine rpm)	540 @ 2376	
Mid PTO RPM (engine rpm)*	2000 @ 2632* (optional on 2816 Gear)	
PTO HP (kW)	23.0 (17.1)	21.5 (15.7)
OPERATING WEIGHT		
Total (lbs.)	2315	2458
DIMENSIONS With Industrial Tires		
Overall Length Inches (mm)	115.0 (2920)	
Overall Width Inches (mm)	59.4 (1509)	
Turning Radius Minimum feet (meters)	7.9 (2.4)	
TIRES Sizes & Options		
Ag (Front / Rear)	7x16 / 11.2x24	
Industrial (Front / Rear)	27x8.5-15 / 15x19.5	
OPTIONS		
Mid-mount Mower	72"	
Snow Blowers	✓	
Soft Cab with Canopy	✓	



## LOADER ML106

WITH TRACTOR MODEL 2816 GEAR/HST	
Maximum Lift Height	96.5"
Clearance with Attachment Dumped	79.0"
Reach at Maximum Height	28.0"
Maximum Dump Angle	39°
Attachment Rollback Angle	19°
Digging Depth Below Grade	2.9"
Lift Capacity to Full Height @ Pivot Pins	1050 lbs.
Breakout Force @ Pivot Pins	2172 lbs.
Rated Flow (Tractor System)	7.8 gpm
Attachment Width used for specification	60"
Attachment rated capacity used for specification	9.0 cu. ft.
Cycle Times @ rpm	2900 rpm
Raise Boom (seconds)	2.8
Lower Boom (seconds)	2.2
Dump Attachment (seconds)	1.9
Retract Attachment (seconds)	1.9
Loader Shipping Weight	695 lbs.
OPTIONAL ATTACHMENTS	
Grille Guard (with or without loader)	✓
Quick Attach Adapter - Pin-On	✓
Bale Spear	
Pallet Fork	✓

## BACKHOES

WITH TRACTOR MODEL 2816 GEAR/HST	
Backhoe Models	3710A
TRANSPORT	
Transport Height (boom fully retracted)	119"
Transport Width (stabilizers up)	n/a
Boom Pivot Height	63"
Operating Weight with 12" Bucket (lbs.)	1230 lbs.
Overall Length	44.7"
OPERATIONAL	
Maximum Digging Depth	94"
Digging Depth (2Ft.) Flat Bottom	92"
Loading Height	63"
Loading Reach	51"
Reach from Swing Post	127"
Bucket Rotation	175°
Swing Arc	180°
Stabilizer Spread, fully extended	101"
Stabilizer Down Below Grade	n/a
System Relief Valve Setting	2050 psi
Digging Force - Bucket (lbs.)	2900
Digging Force - Dipper (lbs.)	1100



# Mahindra

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