

mPOWER™ SERIES



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



DEMING PRIZE
2003



JAPAN QUALITY MEDAL
2007

Mahindra
Tractors

HEAVY-DUTY PERFORMANCE AND POWER - mPOWER Series

Introducing a new standard of high horsepower tractors with Mahindra Common Rail Diesel (mCRD™) Fuel Injection Engines. Available in open-station and Cab models. mCRD™ is more fuel efficient and meets emission standards at a lower cost, keeping more money in your pocket. Mahindra mPOWER with mCRD™ technology is your answer for innovative, eco-friendly and fuel efficient high performance.

Key Features:

- mCRD™ means no DPF (diesel particulate filter)
- mCRD™ technology Final Tier IV Emission compliant engine (mPOWER 75/75P) = Cleaner emissions and Eco-friendly engine
- 4 Cyl. 74.4 hp engine 61 hp PTO (mPOWER 75/75P) and 4 Cyl. 83 hp engine 70 hp PTO (mPOWER 85/85P) = Heavy duty to help you push more, pull more and lift more
- Operating weight 7100-8177 lbs = Best-in-class operating weight for more built in traction, stability and control for a safer operating environment
- 12F / 12R synchro shuttle with full synchro mesh = Choose the right gear at any time for your heavy-duty applications
- Hydrostatic Power Steering and Independent 540 RPM and 1,000 RPM PTO (mPOWER 85/85P)
- Tilt steering, clear-view instrument cluster and easy to use ergonomic controls
- Powerful headlamps and plenty of work lights ensure you can keep working long after the sun goes down
- Easy entry and exit access with comfortable mounting step, hand grip and flat platform
- 3 point lift capacity 5100-5500 lbs* = Best in class
- Loader lift capacity 3460-4100 lbs* = Best in class



ADVANTAGES OF THE MAHINDRA COMMON RAIL DIESEL ENGINE

mCRD™ – The Simple Green Solution

- Less Complexity
 - mCRD™ does not have a Diesel Particulate Filter (DPF), reducing complexity, heat and filter replacement
- No Operator Involvement
 - You don't need to remember to turn off your DPF. You can park your mCRD™ equipped tractor in your barn or use it in your hay field without worry because we don't have the high heat DPF.
- Cleaner Exhaust Emissions at Lower Cost
 - Diesel Oxidation Catalyst (DOC) after treatment system in mCRD™ does not require any high heat regeneration and meets emissions standards at lower cost, less complexity and no involvement from the operator.
- Heavy Duty Wet Sleeve Engine
 - mCRD™ are modern wet sleeve, heavy duty and direct injection engines, built for your tough jobs.



Engine - left side view

- Turbocharged, intercooled
- Easily accessible engine
- Wet replaceable cylinder sleeve
- mPOWER 75/75P, 540 PTO, Tier IV compliant
- mPOWER 85/85P, dual speed 540/1000 PTO, Tier IVA compliant



EXCEPTIONAL PERFORMANCE. GREAT VALUE.

Engine – turbo-charged, four-stroke, common rail, direct-injection diesel (no DPF)

Transmission – Synchro shuttle forward/reverse with full synchro mesh

Hydraulics – Open center, full- live hydraulics with position and draft controls

Operating Weight – 7,100 to 8,177 lbs. (varies by model) – sturdy, well-built, steel chassis

Horsepower – 74.4 and 83

Tires – Ag or industrial

Loader – Lift up to 4,100 lbs. at 134" high with the 85L front loader

Warranty – 5-year limited powertrain (See Mahindra warranty and your dealer for details)



**mPOWER 75P
4WD Cab**



mPOWER 85P Cab



AVAILABLE IMPLEMENTS

Mahindra offers a huge selection of implements to help you accomplish whatever task you wish to tackle and provide a complete Mahindra experience.

- Wide array of implements (186 variations)
- Competitive financing terms
- Standard-, Medium-, and Heavy-Duty implements to meet your needs
- Implements feature rugged construction with heavy-duty components
- 5-year rotary cutter gearbox limited warranty
- SNOW BLOWERS and SNOW REMOVAL equipment to meet cold-weather needs
- BEST VALUE in the market today



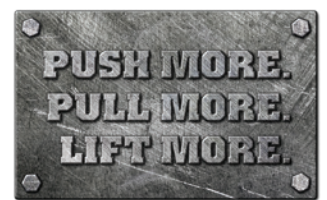
TRACTOR ATTACHMENTS

TRACTOR	mPOWER 75	mPOWER 85	mPOWER 75P	mPOWER 85P
LOADER	75 L	85L	75 L	85PL
Maximum Lift Height	132"	134"	132"	134"
Clearance with Attachment Dumped	106"	102.5"	106"	102.5"
Reach at Maximum Height	26"	31.75"	26"	31.75"
Maximum Dump Angle	39°	54°	39°	54°
Attachment Rollback Angle	20°	24°	20°	24°
Digging Depth Below Grade	5"	4.38"	5"	4.38"
Lift Capacity to Full Height @ Pivot Pins	3460	4100	3460	4100
Breakout Force @ Pivot Pins	5640	5830	5640	5830
Rated Flow (Tractor System)	11 gpm	17 gpm	11 gpm	17 gpm
Attachment Width	78"	84"	78"	84"
Attachment Rated Capacity	19 cu. ft.	21 cu. ft.	19 cu. ft.	21 cu. ft.
Cycle Times @ rpm	2200 rpm	2300 rpm	2200 rpm	2300 rpm
Raise Boom [seconds]	6.1	6.2	6.1	6.2
Lower Boom [seconds]	4.5	4.1	4.5	4.1
Dump Attachment [seconds]	5	3.2	5	3.2
Retract Attachment [seconds]	3.7	2.52	3.7	2.5
Transport Weight [lbs.]	1860	2060	1860	2060
BACKHOE MODEL	75B/85B		N/A	
TRANSPORT				
Transport Height	93"/106"		N/A	
Transport Overhang	69"/71"		N/A	
OPERATIONAL				
Maximum Digging Depth	116"/133"		N/A	
Digging Depth [2 Ft.] Flat Bottom	115"/132"		N/A	
Digging Depth [8 Ft.] Flat Bottom	99"/119"		N/A	
Overall Operating Height - Fully Raised	154"/173"		N/A	
Loading Height [bucket @ 60°]	82"/96"		N/A	
Loading Reach [bucket @ 60°]	50"/60"		N/A	
Reach From Swing Post	153"/173"		N/A	
Bucket Rotation	180°		N/A	
Swing Arc	180°		N/A	
Stabilizer Spread Operating Position	95°		N/A	
Stabilizer Down Below Grade	16"		N/A	
System Relief Valve Setting	2500		N/A	
Digging Force - Bucket [lbs.]	5676		N/A	
Digging Force - Dipper [lbs.]	2754/3056		N/A	
Transport Weight [lbs.]	1880/2049		N/A	

Cab Features

including, but not limited to -

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



TRACTOR SPECIFICATIONS



TRACTOR	mPOWER 75		mPOWER 85		mPOWER 75P		mPOWER 85P	
ENGINE								
Type	Turbocharged, four-stroke intercooled, Mahindra Common Rail direct-injection diesel				Turbocharged, four-stroke intercooled, Mahindra Common Rail direct-injection diesel			
Cylinders	4				4			
Engine HP (kW) @ rpm	74.4 [55.4] @ 2300 rpm		83 [61.9] @ 2300 rpm		74.4 [55.4] @ 2300 rpm		83 [61.9] @ 2300 rpm	
Compression Ratio	17.2:1				17.2:1			
Displacement inch ³ (cc)	215.4 (3531.46)				215.4 (3531.46)			
Cylinder Sleeve	Wet replaceable				Wet replaceable			
Fuel Tank Capacity (gallons)	19.3		19.28		21.9		21.7	
ELECTRICAL								
Battery Capacity	12 volt, 96 amps				12 volt, 96 amps			
Alternator	12 volt, 55 amps				12 volt, 120 amps			
CLUTCH								
Type	Dual dry with ceremetallic lining				Dual dry with ceremetallic lining			
TRANSMISSION								
Type	Forward/Reverse synchro shuttle with full synchro mesh				Forward/Reverse synchro shuttle with full synchro mesh			
Number of Gears / Speeds	12F / 12R				12F / 12R			
STEERING								
Type	Hydrostatic, tiltable				Hydrostatic, tiltable			
Pump Output (gallons per minute)	5.2		5.3		5.2		5.2	
BRAKES								
Type	Wet disc				Wet disc			
HYDRAULIC SYSTEM								
Type	Open center, full-live hydraulic with position and draft controls				Open center, full-live hydraulic with position and draft controls			
Pump Output (gallons per minute)	11		16.17		11		16.17	
3-Point Linkage	Category 2 ball joints with telescopic lower links and stabilizers				Category 2 ball joints with telescopic lower links and stabilizers			
Lift Capacity (lbs.)	5100		5500		5100		5500	
Rear Auxiliary Remote Valves	2 spool standard with detent type raise and lower with kickback and float position in front		Standard 2 spool, 3rd optional with detent in raise, lower and float position. Kickback in raise and lower.		2 spool standard with detent type raise and lower with kickback and float position in front		Standard 2 spool, 3rd optional with detent in raise, lower and float position. Kickback in raise and lower.	
PTO								
Type	Independent				Independent			
PTO RPM (engine rpm)	540 @ 2186		540 @ 2187; 1000 @ 2180		540 @ 2186		540 @ 2187; 1000 @ 2180	
PTO HP (kW)	61 [45.5] max		70 [52.2]		61 [45.5] max		70 [52.2]	
OPERATING WEIGHT								
Total (lbs.)	7100		7297		7900		8177	
DIMENSIONS with Ag Tires								
Overall Length Inches (mm)	162 (4116)				166 (4216)		165.9 (4215.9)	
Overall Width Inches (mm)	77.3 (1963)				81.4 (2067)			
Turning Radius Minimum Feet (meters)	13.1 (4)				13.3 (4)		13.92 (4.24)	
Overall Height to Top (top of Cab) inches (mm)	101.2 (2570)				108.2 (2747)			
TIRES Sizes and Options								
Ag (Front / Rear)	11.2x24 / 16.9x30		12.4x24 / 18.4x30		11.2x24 / 16.9x30		12.4x24 / 18.4x30	
Industrial (Front / Rear)	12.5/80x18 / 19.5Lx24				12.5/80x18 / 19.5Lx24			

Specifications and design subject to change without notice.

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