

35 SERIES

MAHINDRA



TRACTORS

3535

4035

5035

Engine	CE35	CE40	CE50
Type	Naturally aspirated Direct Injection Diesel	Naturally aspirated Direct Injection Diesel	Naturally aspirated Direct Injection Diesel
Cylinders	3	3	4
Engine HP (kW) @ rpm	35 (26)	40 (29.8)	49.5 (36.91)
Compression Ratio	19.5:1	19.5:1	19.5:1
Displacement cubic inch ³ (cc)	115.4 (1892)	115.4 (1892)	153.9 (2523)
Cylinder Sleeve	Wet replaceable	Wet replaceable	Wet replaceable
Fuel Tank Capacity (gallons)	11.3	11.3	11.3

Electrical

Battery Capacity	96 amps	96 amps	96 amps
Alternator	12 volt, 45 amps	12 volt, 45 amps	12 volt, 45 amps

Clutch

Type	Single plate dry	Single plate dry	Single plate dry
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Transmission

Type	Forward reverse synchro shuttle with full synchromesh	Forward reverse synchro shuttle with full synchromesh	Forward reverse synchro shuttle with full synchromesh
Number of Speeds	12 forward, 12 reverse	12 forward, 12 reverse	12 forward, 12 reverse

Steering

Type	Hydrostatic power with tilttable steering	Hydrostatic power	Hydrostatic power
Pump Output (gallons per minute)	5	5	5

Brakes

Type	Wet disc	Wet disc	Wet disc
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Hydraulic System

Type	Open-center, full-live hydraulic with position & draft controls	Open-center, full-live hydraulic with position & draft controls	Open-center, full-live hydraulic with position & draft controls
Pump Output (gallons per minute)	11	11	11
3-Point Linkage	Category 1 with telescopic stabilizers	Category 1 with telescopic stabilizers	Category 1 with telescopic lower links
Lift Capacity (lbs.)	2835	3090	3090
Auxiliary Remote Valves	One optional	One optional	One standard

PTO

Type	Independent	Independent	Independent
PTO RPM (engine rpm)	540 @ 2404	540 @ 2404	540 @ 2404
PTO HP (kW)	29 (21.5) max.	33 (24.6) max.	43 (32) max.

Operating Weight

Total (lbs.)	4125	4367	4939
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Dimensions

Overall Length Inches (mm)	123.9 (3147)	123.9 (3147)	128.9 (3274)
Overall Width Inches (mm)	69.4 (1763)	73.7 9 (1872)	75.4 (1915)
Turning Radius Min. Feet (mtr) without Brake	9.3 (2.86)	11.33 (3.45)	12 (3.66)
Turning Radius Min. Feet (mtr) with Brake		9.67 (2.94)	10.33 (3.15)

Tires Sizes and Options

Industrial (Front / Rear)	28 x 8.5-15 / 43 x 16-20	12-16.5 / 16.9-24	14 x 17.5 / 19.5L x 24
Ag (Front / Rear)	NA	9.5-16 / 14.9-24	9.5-20 / 16.9-24

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LOADERS

ML120 ML130

Tractor Model	3535/4035	5035
Maximum Lift Height (in.)	106"	111.5"
Clearance with Attachment Dumped (in.)	85"	92"
Reach at Maximum Height (in.)	24.5"	24.75"
Maximum Dump Angle (degrees)	40°	40°
Attachment Rollback Angle (degrees)	19°	20°
Digging Depth (in.)	3.4"	4.5"
Lift Capacity to Full Height @ Pivot Pins	2400 lbs.	2700 lbs.
Breakout Force @ Pivot Pins	3900 lbs.	5100 lbs.
Rated Flow (Tractor System)	11 gpm	11 gpm
Attachment Width used for specification	72"	75"
Attachment Rated Capacity used for specification	16.35 cu. ft.	17 cu. ft.
Cycle Times @ rpm	3080 rpm	3080 rpm
Raise Boom (seconds)	4.9	5.7
Lower Boom (seconds)	4.1	4.3
Dump Attachment (seconds)	3.8	4.9
Retract Attachment (seconds)	3	3.5
Loader Shipping Weight (with bucket)	1285 lbs.	1450 lbs.

Skid Steer Attachments

Bucket	✓	✓
Quick Attach Adapter	✓	✓
Bale Spear	✓	✓
Pallet Fork	✓	✓

BACKHOES

485

595

Tractor Model	3535/4035	5035
Digging depth maximum (feet)	8' 5"	9' 7"
Digging force bucket (lbs.)	3895	5710
Digging force dipper (lbs.)	2358	3188
Backhoe Shipping Weight (with 12" bucket)	1010 lbs.	1487 lbs.



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Deming Prize
Winner - 2003



Japan Quality Medal
Winner - 2007

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