

57 - 67 - 80 HP

MB

55 / 65 / 85 AMERICA



McCORMICK

TECHNICAL DATA

	MB 55 AMERICA	MB 65 AMERICA	MB 85 AMERICA
"GREEN" ENGINE			
Perkins "Euro 2/Tier2" direct-injection engine	1103C-33	1104C-44	1104C-44
Max power ASAE	hp/kw 57.7/43	hp/kw 67.3/50.2	hp/kw 80.5/60
Net P.T.O. power ASAE	hp/kw 53.6/40*	hp/kw 62.2/46.5*	hp/kw 74.4/55.5*
Rated speed	rpm 2200	rpm 2200	rpm 2200
Max. torque	lb-ft(Nm) 163.5 (222)	lb-ft(Nm) 201 (273)	lb-ft(Nm) 215 (292)
Max. torque speed	rpm 1400	rpm 1400	rpm 1400
Bore/stroke	in. (mm) 4/5 (105/127)	in. (mm) 4/5 (105/127)	in. (mm) 4/5 (105/127)
Displacement/nr. of cylinders	cu. in. (cm3) 201 (3300) / 3	cu. in. (cm3) 4400 / 4	cu. in. (cm3) 4400 / 4
Compression ratio	19.25:1	19.3:1	19.3:1
Water cooling	●	●	●
Air filter	●	●	●
Fuel tank capacity	gal. (lt) 23 (86)	gal. (lt) 23 (86)	gal. (lt) 23 (86)
CLUTCH UNIT			
Independent dry dual clutch	in. (mm) 12 (3048)	in. (mm) 12 (3048)	in. (mm) 12 (3048)
Coating	cerametallic	cerametallic	cerametallic
Mechanical engagement	●	●	●
TRANSMISSION			
Reverse shuttle + base gearbox: 12FWD + 12REV	●	●	●
reverse shuttle + base gearbox + creeper: 24FWD + 12REV	○	○	○
Rear mechanical diff-lock	●	●	●
Rear hydraulic diff-lock	—	○	○
POWER TAKE-OFF			
Mechanical engagement	●	●	●
1 speed - 540 rpm	●	●	●
1" 3/8 (34,9 mm) PTO shaft with 6 splines	●	●	●
Synchronised with gearbox	●	●	●
2WD FRONT AXLE			
Hydrostatic steering system	●	●	●
Maximum steering angle	60°	60°	60°
4WD FRONT AXLE			
Double-action direction ram cylinder	—	●	●
Epicyclic final drives	—	●	●
4WD mechanical engagement	—	●	●
Maximum steering angle	—	55°	55°
Twin-Lock hydraulic diff lock	—	○	○
BRAKES			
Mechanical engagement	●	●	●
Oil-bath graphite-coated rear brakes - 8 discs	●	●	—
Oil-bath graphite-coated rear brakes - 10 discs	—	—	●
Hydraulic trailer braking system	○	○	○
HYDRAULIC POWER LIFT			
Functions: Position control, draft, intermix, floating posit.	●	●	●
Mechanical	●	●	●
Std lifting power	lb. (Kg) 5700 (2600)	lb. (Kg) 5700 (2600)	lb. (Kg) 5700 (2600)
Lifting power with 2 additional cylinders	lb. (Kg) 8140 (3700)	lb. (Kg) 8140 (3700)	lb. (Kg) 8140 (3700)
Max. operating pressure	psi (bar) 2600 (180)	psi (bar) 2600 (180)	psi (bar) 2600 (180)
hydraulic flow @ remote	GPM (lt/min) 13.8 (52.3)	GPM (lt/min) 13.8 (52.3)	GPM (lt/min) 13.8 (52.3)
Total hydraulic flow	GPM (lt/min) 19.2(72.8)	GPM (lt/min) 20.2 (76.5)	GPM (lt/min) 20.2 (76.5)
Cat. 2 three-point linkage	●	●	●
Standard auxiliary valves STD / OPT	2/1	2/1	2/1
DRIVER SEAT			
4 post safety frame	●	●	●
Standard sprung seat	●	●	●
Analogic control panel	●	●	●
Sun canopy	○	○	○
WEIGHTS AND DIMENSIONS (IN RUNNING ORDER)			
Front tires 2WD	7.50-16	7.50-16	7.50-20
Front tires 4WD	—	11.2R24	13.6R24
Rear tires 4WD	14.9R28	16.9R30	16.9R34
Total length without ballast	in. (mm) 127.5 (3240)	in. (mm) 134.8 (3424)	in. (mm) 150 (3810)
Wheelbase 2WD / 4WD	in. (mm) 83.7 (2126) / —	in. (mm) 88.5 (2249) / 87.6 (2225)	in. (mm) 92.1 (2340) / 91.2 (2316)
Height at steering wheel	in. (mm) 66.9 (1700)	in. (mm) 66.9 (1700)	in. (mm) 67.7 (1720)
Max ground clearance 4WD	in. (mm) 13.8 (350) / —	in. (mm) 14.2 (362) / 15.4 (392)	in. (mm) 15 (383) / 17 (430)
Height to safety frame	in. (mm) 94.9 (2410)	in. (mm) 100 (2540)	in. (mm) 102 (2590)
Minimum width	in. (mm) 66 (1678)	in. (mm) 72 (1830)	in. (mm) 73.6 (1870)
Minimum turning radius (with brakes) 2WD / 4WD	in. (mm) 110.2 (2800) / —	in. (mm) 122 (3100) / 133.8 (3400)	in. (mm) 130 (3300) / 141.7 (3600)
Minimum turning radius (without brakes) 2WD / 4WD	in. (mm) 126 (3200) / —	in. (mm) 137.8 (3500) / 145.6 (3700)	in. (mm) 150 (3800) / 161.4 (4100)
Weight (without ballast) 2WD / 4WD	lb. (Kg) 5346 (2430) / —	lb. (Kg) 5825 (2647) / 6.090 (2767)	lb. (Kg) 6660 (3027) / 6.923 (3147)
TRACKS			
Front track adjustment 2WD	in. (mm) 52 / 71.6 (1320 / 1820)	in. (mm) 52 / 71.6 (1320 / 1820)	in. (mm) 52 / 71.6 (1320 / 1820)
Front track adjustment 4WD	—	in. (mm) 55.6 / 76.9 (1440 / 1954)	in. (mm) 55.6 / 76.9 (1440 / 1954)
Rear track adjustment	in. (mm) 51.2 / 74.8 (1300 / 1900)	in. (mm) 59.4 / 75 (1508 / 1908)	in. (mm) 55.1 / 78.7 (1608 / 2008)
OPTIONAL TIRES AND WHEELS			
Front / rear 2WD	7.50-16 / 14.9R30	7.50-16 / 14.9R30	7.50-20 / 18.4R30
Front / rear 2WD	7.50-16 / 12.4R32	—	7.50-20 / 13.6R38
Front / rear 2WD	6.50-16 / 13.6R28	—	9.00-16 / 18.4R30
Front / rear 2WD	7.50-18 / 12.4R36	—	7.50-16 / 16.9R30
Front / rear 2WD	7.50R20 / 9.5R40	—	—
Front / rear 4WD	—	11.2R24 / 14.9R30	320/70R24 / 16.9R30
Front / rear 4WD	—	11.2R24 / 12.4R36	13.6R24 / 13.6 R38
Front / rear 4WD	—	—	11.2R24 / 16.9R30
Front / rear 4WD	—	—	12.4R24 / 13.6R38
Front / rear 4WD	—	—	12.4R24 / 18.4R30
Front / rear 4WD	—	—	380/70R24 / 480/70R34
OPTIONAL EQUIPMENT			
Front ballasts of 79 lb. (36 kg) each	6 / 8	6 / 8	6 / 8
Rear ballasts of 132 lb. (60 kg) each	2 / 4	2 / 4	2 / 4
Front fender	○	○	○

Key: ● = standard; ○ = optional; — = not available; * manufacture's estimate

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