

RANSOMES

Commander 3520



A wide area cylinder mower with a 3.5 metre working width, the Commander is unequalled for productivity and cutting efficiency. Its powerful 48 hp Kubota diesel engine easily copes with the on-demand 4 wheel drive and provides an excellent transport speed of 25 km/h.

Large 25.4 cm diameter Magna cutting cylinders easily mow longer grass and its 4 wheel drive assist in reverse provides excellent traction in awkward areas.

Individual lift and lower on the wing cylinders improves mowing versatility.



With optional fitted cab

Horsepower: 36.4 kw (49.5 HP)

Cutting Width: 3.5 m (138")

Drive System: Hydrostatic 2 or 4 wd drive

Special Features: Individual lift, wing cylinders

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Commander 3520 Technical Data

Power	Kubota V2203M-E3B, 4 cylinder (in line), vertical 4-stroke, liquid cooled diesel		
	Power 36.4Kw (48.8HP) @ 2800 rpm		
	Displacement: 2197 cc		
	Starting System: 12V electric start		
	Fuel Capacity: 60 l (13.2 gal)		
Drive train	Traction Drive: Hydrostatic power provided by servo-controlled transmission pump driving four individual wheel motors with selectable 2 or 4WD		
	Cutting Unit Drive: Hydraulic with forward, neutral and reverse control valve. Floor mounted switch for cylinder engage. Hand control valve for reel speed adjustment		
Speed	(maximum)		
	Cutting: 12 km/h (7.5 mph)		
	Transport; 25 km/h (15.5 mph)		
	Reverse: 6 km/h (3.7 mph)		
	Hydraulic Tank Capacity: 52 l (11.4 gal)		
	Grade of hydraulic oil: Shell Tellus 46 to ISO VG46 or equivalent		
Instruments	Cutting circuit pressure gauge, 12 volt accessory socket, multifunction gauge (charge warning, engine oil pressure, water temperature indicator, low fuel indicator, glow plug warning, parking brake lamp, blocked charge filter lamp, service required lamp, clock, hour meter)		
Controls	Starter key switch, throttle control lever, forward reverse pedal, transport/work speed control, parking brake, forward/reverse cutting cylinder lever, variable cylinder speed, hydraulic lift levers, unit counterbalance control, single wing unit drive lever, brake release valve, freewheel control, safety catches Lighting control, hazard warning, rotating beacon switches (where fitted), horn, steering wheel rake adjustment		
Brakes	Positive hydrostatic braking		
	Fail safe, oil immersed wet disc brakes		
Steering	Hydrostatic power steering with adjustable tilt steering wheel		
Tyres	Front: 26 x 12 - 12 8pr		
	Rear: 23 x 10.50 - 12 6pr		
Dimensions	Transport Width: 2.0 m (78.8")		
	Height: 1.45 m (57")	Height with ROPS: 2.22 m (87.4")	Height with Cab: 2.22 m (87.4")
	Length 3.10 m (123")		
	Weight: 2080 kg (4576 lb) - with Sport 200 8- knife floating head units		Weight with Cab: Add 220 kg (485 lb)
	Ground Pressure:	1.0 kg/cm ²	
	Wheel Track:	1.5 m (59")	
	Wheel Base:	1.65 m (65")	
	Ground Clearance:	16 cm (6.3")	
Cutting	Cutting Units: Type	Five hydraulically-driven 762 mm (30") w.o.c cylinders	
	Weight Transfer:	Units balanced with hydraulic weight transfer	
	Cutting Unit lift:	Individual lift to wing units and centre three units together	
	Cutting Cylinder:	Magna 250 6-knife, 8-knife 254 mm (10") diameter, fixed head	
		Sport 200 6-knife, 197 mm (7.8") diameter, fixed head	
		Sport 200 8-knife, 11-knife 197 mm (7.8") diameter, floating head Verticut units	
	Width of Cut:	3.5 m (138")	
	Height of Cut:	Fixed Head - Magna 250	12.7 mm to 61 mm (0.5" to 2.4")
		Floating Head - Sport 200	Standard Blade: 12.7 mm to 35.7mm (0.5" to 1.41")
			Thin Blade: 9 mm to 32 mm (.35" to 1.26")
	Clip Rate:	16 cuts per metre at 12km/h with 4 knife cylinders	24 cuts per metre at 12 km/h with 6 knife cylinders
		32 cuts per metre at 12 km/h with 8 knife cylinders	44 cuts per metre at 12 km/h with 11 knife cylinders
	Cutting Productivity:	3.2 hectares/h at 12 km/h (8 acres/h at 7.5 mph)	
	Rollers:	Front - Sport 200	Full width 76 mm (3") diameter grooved roll
		Rear Magna 250 & Sport 200	Full width 76 mm (3") diameter solid roll
	Cylinder adjustment:	Tool or hand wheel	
Operator	Operator Ear Noise Level:	91 dB(A)Leq (98/37/EC)	
	Hand/Arm Vibration Levels:	0.37 m/s ²	
Measured sound level	105 dB(A) LWA		
Optional Equipment	6 post ROPS including lap belt, rotating beacon kit, beacon for cab, Grammer Air Suspension Seat, Deluxe cab including heater, seat belt and noise reduction kit, puncture resistant tyres, spanner adjustment for cutting units		

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