

M Series

Specifications

M108S



Model		M108SH (2WD)	
		ROPS Models	
Engine		V3800-DT-TI	
Type (Make: KUBOTA)		Center direct injection (E-CDIS), liquid cooled 4-cylinder diesel	
Aspiration type		Turbocharged w/intercooler	
Rated speed	rpm	2600	
Engine net power	HP (kW)	108 (80.6)	
PTO power	HP (kW)	96 (71.6)	
Total displacement	cu.in. (cc)	230 (3769)	
Fuel tank capacity	gal. (ℓ)	46 (175)	
Air cleaner		Dry, dual-element	
Alternator	Amp	45	
Transmission			
No. of speeds (Option)		16 forward/16 reverse (24 forward/ 24 reverse w/optional creep)	
Main gear shift		8/Fully synchronized (with swing shift)	
Range shift		2-speeds	
Dual speed (Hi-Lo)		-	
Hydraulic-shuttle		Steering column-mounted lever	
Main clutch type/Brake type		Hydraulic wet discs/Hydraulic wet discs	
Mechanical differential lock		Rear	
PTO			
PTO type		Hydraulic independent PTO with PTO brake, wet discs	
Speed		540 rpm (540/1000 factory optional)	
Hydraulics			
Pump capacity (3-point hitch)	gpm (ℓ/min.)	17.2 (65)	
3-point hitch		Telescopic lower link ends, Telescopic stabilizers	
Category		II	
Control system		Position, draft (top link sensing) & mix control	
Lift capacity at 24 in. behind lift point ^(*)	lbs. (kgf)	4630 (2100), 7490 (3400) w/dual assist cylinders (optional)	
No. of standard remote valves		1 standard (2nd, 3rd & flow control valve optional)	
Other features			
4WD drive system		-	
Steering		Hydrostatic power steering	
Hood type		Single piece full open hood, twin gas shock assist	
Deck type/Pedal type		ISO-mounted full flat deck with rubber mat/hanging pedals	
Standard tire size ^(**)	Front/Rear	10.00-16/18.4-34	
Dimensions & weight^(***)			
Overall length	in. (mm)	163 (4145)	
Overall height/ROPS folded	in. (mm)	105 (2670)/81 (2065)	
Overall height (top of CAB)	in. (mm)	-	
Overall width ^(***)	in. (mm)	90 (2295)	
Wheelbase	in. (mm)	95.9 (2435)	
Ground clearance (Drawbar bracket)	in. (mm)	17.1 (435)	
Tread width	Front	in. (mm)	60.6-80.3 (1540-2040)
	Rear	in. (mm)	67.1-79.0 (1705-2005)
Turning radius (w/o brake)	ft. (m)	12.5 (3.8)	
Tractor weight	lb. (kg)	6349 (2880)	

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(*) At lower link end with links horizontal (**) Optional tire size and disk variation are available. Radial tires are also available. (***) All dimensions measured with standard tire.

(***) At 72-inch rear tire tread.

* 540/1000 PTO factory option model is available.

M Series

Specifications

M108S



Model	M108SHD (4WD)		*M108SDS (4WD)	
ROPS Models				
Engine	V3800-DT-TI			
Type (Make: KUBOTA)	Center direct injection (E-CDIS), liquid cooled 4-cylinder diesel			
Aspiration type	Turbocharged w/intercooler			
Rated speed	rpm	2600		
Engine net power	HP (kW)	108 (80.6)		
PTO power	HP (kW)	96 (71.6)		
Total displacement	cu.in. (cc)	230 (3769)		
Fuel tank capacity	gal. (ℓ)	46 (175)		
Air cleaner	Dry, dual-element			
Alternator	Amp	45		
Transmission				
No. of speeds (Option)	16 forward/16 reverse (24 forward/ 24 reverse w/optional creep)		32 forward/32 reverse (48 forward/ 48 reverse w/optional creep)	
Main gear shift	8/Fully synchronized (with swing shift)			
Range shift	2-speeds			
Dual speed (Hi-Lo)	-		Standard	
Hydraulic-shuttle	Steering column-mounted lever			
Main clutch type/Brake type	Hydraulic wet discs/Hydraulic wet discs			
Mechanical differential lock	Front & Rear			
PTO				
PTO type	Hydraulic independent PTO with PTO brake, wet discs			
Speed	540 rpm (540/1000 factory optional)			
Hydraulics				
Pump capacity (3-point hitch)	gpm (ℓ/min.)	17.2 (65)		
3-point hitch	Telescopic lower link ends, Telescopic stabilizers			
Category	II			
Control system	Position, draft (top link sensing) & mix control			
Lift capacity at 24 in. behind lift point ^(*)	lbs. (kgf)	4630 (2100), 7490 (3400) w/dual assist cylinders (optional)		
No. of standard remote valves	1 standard (2nd, 3rd & flow control valve optional)			
Other features				
4WD drive system	Bevel gear type			
Steering	Hydrostatic power steering			
Hood type	Single piece full open hood, twin gas shock assist			
Deck type/Pedal type	ISO-mounted full flat deck with rubber mat/hanging pedals			
Standard tire size ^(*)	Front/Rear	13.6-24/18.4-34 Cast		
Dimensions & weight^(*)				
Overall length	in. (mm)	163 (4145)		
Overall height/ROPS folded	in. (mm)	105 (2670)/81 (2065)		
Overall height (top of CAB)	in. (mm)	-		
Overall width ^(*)	in. (mm)	91 (2315)		
Wheelbase	in. (mm)			
Ground clearance (Drawbar bracket)	in. (mm)	17.1 (435)		
Tread width	Front	in. (mm)	60.2-65.4 (1530-1660)	
	Rear	in. (mm)	68.1-80.1 (1730-2035)	
Turning radius (w/o brake)	ft. (m)	15.4 (4.7) ^(*)		
Tractor weight	lb. (kg)	7981 (3620)		

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(*) At lower link end with links horizontal (**) Optional tire size and disk variation are available. Radial tires are also available. (**) All dimensions measured with standard tire.

(*) At 72-inch rear tire tread. (**) 4WD engaged.
* 540/1000 PTO factory option model is available.

M Series

Specifications

M108S



Model	M108SHC (2WD)		*M108SHDC (4WD)	*M108SDSC (4WD)
	CAB Models			
Engine	V3800-DT-TI			
Type (Make: KUBOTA)	Center direct injection (E-CDIS), liquid cooled 4-cylinder diesel			
Aspiration type	Turbocharged w/intercooler			
Rated speed	rpm	2600		
Engine net power	HP (kW)	108 (80.6)		
PTO power	HP (kW)	96 (71.6)		
Total displacement	cu.in. (cc)	230 (3769)		
Fuel tank capacity	gal. (ℓ)	46 (175)		
Air cleaner		Dry, dual-element		
Alternator	Amp	80		
Transmission				
No. of speeds (Option)		16 forward/16 reverse (24 forward/24 reverse w/optional creep)	32 forward/32 reverse (48 forward/ 48 reverse w/optional creep)	
Main gear shift		8/Fully synchronized (with swing shift)		
Range shift		2-speeds		
Dual speed (Hi-Lo)		-	Standard	
Hydraulic-shuttle		Steering column-mounted lever		
Main clutch type/Brake type		Hydraulic wet discs/Hydraulic wet discs		
Mechanical differential lock		Rear	Front & Rear	
PTO				
PTO type		Hydraulic independent PTO with PTO brake, wet discs		
Speed		540 rpm (540/1000 rpm factory optional)		
Hydraulics				
Pump capacity (3-point hitch)	gpm (ℓ/min.)	17.2 (65)		
3-point hitch		Telescopic lower link ends, Telescopic stabilizers		
Category		II		
Control system		Position, draft (top link sensing) & mix control		
Lift capacity at 24 in. behind lift point ^(*)	lbs. (kgf)	4630 (2100), 7490 (3400) w/dual assist cylinders (optional)		
No. of standard remote valves		1 standard (2nd, 3rd & flow control valve optional)		
Other features				
4WD drive system		-	Bevel gear type	
Steering		Hydrostatic power steering		
Hood type		Single piece full open hood, twin gas shock assist		
Deck type/Pedal type		ISO-mounted full flat deck with rubber mat/hanging pedals		
Standard tire size ^(*)	Front/Rear	10.00-16/18.4-34	13.6-24/18.4-34 Cast	
Dimensions & weight^(*)				
Overall length	in. (mm)	163 (4145)		
Overall height/ROPS folded	in. (mm)	-		
Overall height (top of CAB)	in. (mm)	106 (2680)		
Overall width ^(*)	in. (mm)	90 (2295)	91 (2315)	
Wheelbase	in. (mm)	95.9 (2435)		
Ground clearance (Drawbar bracket)	in. (mm)	17.1 (435)		
Tread width	Front	in. (mm)	60.6-80.3 (1540-2040)	60.2-65.4 (1530-1660)
	Rear	in. (mm)	67.1-79.0 (1705-2005)	68.1-80.1 (1730-2035)
Turning radius (w/o brake)	ft. (m)	12.5 (3.8)		15.4 (4.7) ^(*)
Tractor weight	lb. (kg)	6945 (3150)		8576 (3890)

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(*) At 72-inch rear tire tread. (*) 4WD engaged.
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LOADER SPECIFICATIONS

Model	LA1403		
Tractor Applications	M108S		
Boom Cylinder Fulcrum	Height Position	Power Position	
Maximum Lift Height (Pivot Pin) in. (mm)	145.7 (3700)	132.7 (3370)	
Clearance w/Attachment Dump in. (mm)	112.6 (2860)	98.0 (2490)	
Reach @ Maximum Height in. (mm)	23.6 (600)	38.6 (980)	
Maximum Dump Angle degrees	52	63	
Reach w/Attachment on Ground in. (mm)	87.8 (2230)		
Maximum Rollback Angle degrees	40		
Digging Depth (When Bucket is Level) in. (mm)	2.4 (60)	2.6 (65)	
Overall Height in Carry Position in. (mm)	66.9 (1700)		
Material Bucket Width/Capacity (Heaped) in. /cu.ft. (m ³)	72 / 19.43 (0.55), 84 / 22.60 (0.64)		
Lift Capacity (Bucket Center) lbs. (kg)	2976 (1350)	3086 (1400)	
Raising Time to Full Height w/out Load ^{**1)} seconds	4.2		
Lowering Time w/out Load (Powerdown) ^{**1)} seconds	2.9		
Attachment Rollback Time seconds	2.2		
Attachment Dumping Time seconds	2.4		

^{*1)}w/ Standard Valves.