

M7 Series

Specifications

M7-131 - M7-151 - M7-171



Model	M7-131	M7-151	M7-171
Engine	KUBOTA V6108-CR-TIER4		
Type	Direct Injection, with Intercooler turbocharger, water-cooled 4 cycle diesel engine		
No. of cylinders	4 cylinders		
Total displacement	cu. in. (cc) 374 (6124)		
Bore x stroke	in. (mm) 4.65 x 5.51 (118 x 140)		
Rated speed	rpm 2200		
Rated power @2200 engine rpm (97/68EC)	HP 128	HP 148	HP 168
Boost power	HP +20	HP +20	HP +5
Alternator / Battery	150 Amp/174 Ah (20 hr) / 1400A (200 Amp option)		
Fuel tank capacity	gal. (ℓ) 87 (300)		
DEF tank capacity	gal. (ℓ) 10 (38)		

Grade variety	Standard	Premium	Premium KVT
Transmission	Powershift		
Type	4-speed Powershift		CVT
Main gear shift	6-speed synchronized Powershift (GST)		CVT
Range gear shift	F24 / R24 (F40 / R40 w/ optional creep)		CVT
No. of speeds	F24 / R24 (F40 / R40 w/ optional creep)		CVT
Max. traveling speed	mph (km/h) 25 (40)	25 (40) / 31.2 (50) option	
Shuttle shift	Electro-hydraulic shuttle		
Main clutch	Hydraulic multi-plate wet disc		
Hydraulics	Open center		
System	Closed center, load sensing		
Pump capacity	gpm (L/min) 21 (80)	29 (110)	
3-point hitch	Telescopic lower link, Category III		
Control system	Electronic draft control / Lower link sensing		
Lifting capacity at lift end	lbs. (kg) 14770 (6700)	TBD	
Lifting capacity at 24in. behind (OECD)	lbs. (kg)	TBD	
No. of rear remote valves	Maximum 4 valves (mechanical valve)	Maximum 5 valves (Electronic valve)	
PTO	100HP / 120HP / 140HP (measured with standard configuration)		
Rated PTO horsepower* @2200 engine rpm (SAE) HP	540 / 540E / 1000 / 1000E		
Rear PTO speeds	1000		
Front PTO seeds (option)	Flanged, 110" bar axle available		
Rear axle type	Flanged axle only		
Standard tire size	Front 14.9R28		
Front	Rear 18.4R38		
Rear	Overall length in. (mm) 188 (4770)		
Dimensions and weight	Overall height in. (mm) 119 (3030)		
Overall length	Overall width in. (mm) 98 (2500) w/ flanged axle		
Overall height	Wheelbase lbs. (kg) 107 (2720)		
Overall width	Shipping weight 13889 (6300)		
Wheelbase			
Shipping weight			

* PTO horsepower will vary based on tractor configuration.

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Front Loader Specifications

Model	LM2605		
Leveling system	Kubota Z-bar linkage, mechanical self-leveling (MSL)		
Attachment	96in. Bucket		
Compatibility	for M7 Standard models (Open center hydraulics)	for M7 Premium models (Closed center hydraulics)	
Control type	Mechanical lever		Electrial joy stick
Max. lifting height at bucket pivot pin	in. (mm)	167 (4250)	
Max. lifting height at bucket under level	in. (mm)	156 (3972)	
Clearance with bucket dumped	in. (mm)	131 (3321)	
Max. dumping angle	degree	59	
Max. roll-back angle	degree	42	
Digging depth	in. (mm)	3.9 (100)	
Lifting capacity at bucket pivot pin, max. height	lbs (kg)	5776 (2620)	
Lifting capacity at 800mm forward, max. height	lbs (kg)	5765 (2615)	
Breakout force at bucket pivot pin	lbs (N)	9069 (40342)	
Breakout force at 800mm forward	lbs (N)	7968 (35444)	
Bucket roll-back force at max. height	lbs (N)	5972 (26566)	
Bucket roll-back force at 59in.(1.5M) height	lbs (N)	11017 (49004)	
Bucket roll-back force at ground level	lbs (N)	10825 (48151)	
Raising time	sec.	6.4	5.4
Lowering time	sec.	8.1	8.1
Bucket dumping time	sec.	5.1	5.1
Bucket rollback time	sec.	4.6	4.6
Standard equipment	Third function valve, Single-lever hydraulic quick coupler, Accumulator (KSR: Kubota Shockless Ride)		

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