


**SPECIFICATIONS**

MODEL			R420S		R520S	
ROPS/FOPS			2-Post Canopy	Cab	2-Post Canopy	Cab
Engine	Model		Kubota D1503-T-RP-1		Kubota V2203-RP	
	Turbocharger		Liquid cooled, 3-Cylinder Diesel		Liquid cooled, 4-Cylinder Diesel	
	Horsepower	HP / rpm	43.0 / 2,600		49.0 / 2,600	
	Displacement	cu. In.	91.4		134.1	
	Turbocharger		Yes		No	
	E-TVCS		Yes		Yes	
Dimension	Overall length (w/ Bucket & Weight)	in.	165.8		184.5	
	Overall height	in.	98.8	103.5	101.6	106.5
	Overall width (w/out Bucket)	in.	59.8		69.3	
	Overall Operating Height	in.	137.8		165.0	
	Height to hinge pin		9' 2.7"		10' 10.3"	
	Dump angle fully raised	in.	43.0		41.0	
	Dump height		7' 4.4"		8' 9.2"	
	Reach fully raised	in.	30.8		33.9	
	Digging depth	in.	2.6		1.8	
	Wheelbase	in.	69.9		76.8	
	Ground clearance	in.	11.3		12.8	
	Tread	in.	46.5		53.5	
	Angle of articulation (each way)	degree	40		40	
Frame oscillation (each way)	degree	8		8		
Lifting Specifications	Tipping load straight (SEA rating)					
	with bucket	lbs	4,585		5,190	
	with pallet fork	lbs	3,300		3,870	
	Tipping load full turn (SEA rating)		67.5		67.0	
	with bucket	lbs	3,850		4,410	
	with pallet forks	lbs	2,800		3,250	
	Operating load					
	with bucket	lbs	1,925		2,205	
	with pallet forks	lbs	1,400		1,625	
Counter weight / standard	lbs	1,500		1,500		
/ option	lbs	none		2,020		
Operational Specifications	Standard bucket capacity		.50 cubic yards		.75 cubic yards	
	Bucket breakout force	lbs	6,550		7,425	
	Loader raise time	sec	4.24		4.89	
	Loader lower time	sec	3.11		3.41	
	Bucket dump time	sec	0.86		1.11	
	Draw bar pull	lbs	5,500		6,170	
	Loader clearance circle		23' 10.6"		26' 2.0"	
	Operating weight	lbs	7,450		8,980	
Standard tires		12.5/70-16 8-ply		15.5/60-18 8-ply		
Transmission		Load sensing transmission		Load sensing transmission		
Number of speeds		1 forward / 1 reverse		1 forward / 1 reverse		
Travel speed	mph	0 to 12.5		0 to 12.5		
w / travel speed limiter on	mph	0 to 3.1		0 to 3.1		
Brakes /service		Enclosed, self adjusting wet disc		Enclosed, self adjusting wet disc		
/parking		Spring applied, hydraulic released wet disc		Spring applied, hydraulic released wet disc		
Pump type and output						
/ LST		19.2 gpm @ 4,970 psi		19.2 gpm @ 5,680 psi		
/ Main		11.1 gpm @ 2,700 psi		15.4 gpm @ 2,700 psi		
/ Charge		4.5 gpm @ 285 psi		4.5 gpm @ 285 psi		
Auxiliary hydraulic flow		11.1 gpm front and rear		15.4 gpm front and rear		
Fluid refill	Fuel tank	gal	14.3		14.3	
	Hydraulic system	gal	15.6		15.6	
	Hydraulic reservoir	gal	11.6		11.6	

All standard equipment in base model machines except where noted.

The company reserves the right to change the above specifications without notice.

These Specifications are for descriptive purpose only. Please contact your local Kubota dealer for warranty information.

For your safety, KUBOTA strongly recommends the use of a Rollover Protective Structure (ROPS) and seat belt in almost all applications.