



R *Wheel Loaders*
R420S/R520S



COMPETITIVE COMPARISON

FEATURE	KUBOTA R420S	TCM 804	YANMAR V3
Horsepower	43 (turbocharged)	28.6	28.6
Operating Weight Canopy (lbs.)	7,450	6,140	6,472
Overall Height (FOPS/ROPS)	98.8"	101.2"	102"
Overall Width (without bucket)	59.8"	59.8"	61"
Overall Length (with bucket and weight)	165.8"	160.2"	159"
Height to Hinge Pin	111"	108.9"	105"
Reach Fully Raised	31"	31.9"	31"
Angle of Articulation (each way)	40°	41°	40°
Frame Oscillation (each way)	8°	8°	8°
Tipping Load Straight (lbs.)	4,585	4,490	4,740
Tipping Load Full Turn (lbs.)	3,850	3,890	3,970
Operating Load (lbs.)	1,925	1,945	1,985
Standard Bucket Capacity (cubic yards)	0.5	0.5	0.52
Bucket Breakout Force (lbs.)	6,550	5,940	5,085
Transmission Type	Load Sensing	Hydrostatic	Hydrostatic
Standard Tires	12.5 / 70-16 8 ply	12.5 / 70-16 6 ply	12.5 / 70-16 6 ply
Travel Speed (mph)	12.5	9.3	10.8
Brakes	Enclosed, self adjusting wet disk	Enclosed, wet disk	Enclosed, wet disk
Auxiliary Hydraulic Flow (gpm)	11.1 front & rear	Optional	-



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COMPETITIVE COMPARISON

FEATURE	KUBOTA R520S	TCM 806	YANMAR V4
Horsepower	49	36.5	36.5
Operating Weight Canopy (lbs.)	8,980	7,630	7,376
Overall Height (FOPS/ROPS)	101.6"	102.8"	106"
Overall Width (without bucket)	69.3"	64.5"	63"
Overall Length (with bucket and weight)	184.5"	178.3"	170"
Height to Hinge Pin	130"	122.6"	119"
Reach Fully Raised	33.9"	35"	31"
Angle of Articulation (each way)	40°	41°	40°
Frame Oscillation (each way)	8°	8°	8°
Tipping Load Straight (lbs.)	5,190	5,740	5,510
Tipping Load Full Turn (lbs.)	4,410	4,990	4,630
Operating Load (lbs.)	2,025	2,495	2,315
Standard Bucket Capacity (cubic yards)	0.75	0.8	0.65
Bucket Breakout Force (lbs.)	7,425	7,060	5,735
Transmission Type	Load Sensing	Hydrostatic	Hydrostatic
Standard Tires	15.5 / 60-18 8 ply	15.5 / 60-18 8 ply	15.5 / 60-18 8 ply
Travel Speed (mph)	12.5	9.3	11.1
Brakes	Enclosed, self adjusting wet disk	Enclosed, wet disk	Enclosed, wet disk
Auxiliary Hydraulic Flow (gpm)	15.4 front & rear	Optional	12.7 front



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