



Off-Highway Truck	Rhino RT100		Komatsu HD785		Cat 777G		TEREX TR100	
<b>General</b>								
Brand	Rhino		Komatsu		Cat		TEREX	
Model	RT100		HD785		777G		TR100	
Gross Engine Output Kw (Hp)	783	(1,050)	895	(1,200)	765	(1,026)	770	(1,033)
Max. Gross (Loaded) Weight kg (lb)	160,000	(352,740)	163,408	(360,253)	164,654	(363,000)	112,690	(248,439)
<b>Engine</b>								
Engine Model (optional)	Cummins QST30 (Rhino)		SAA6D170E-5		C27 ACERT		Detroit Diesel MTU 2000TA	
Engine Type	Water Cooled, 4 Cycle		Water Cooled, 4 Cycle		Water Cooled, 4 Cycle		Water Cooled, 4 Cycle	
Aspiration	Turbocharged, Aftercooled		Turbocharged, Aftercooled		Turbocharged, Aftercooled		Turbocharged, Aftercooled	
Number of Cylinder	12		6		12		6	
Bore x Stroke mm (in)	140 x 165	(5.5 x 6.5)	140 x 165	(5.5 x 6.5)	145 x 162	(5.7 x 6.4)	159 x 159	(5.11 x 5.91)
Piston Displacement L (cu. In)	30.5	(1,861.2)	30.5	(1,861.2)	32	(1,952.8)	32	(1,952.8)
Governor Type	Electronically Controlled		Electronically Controlled		Electronically Controlled		Electronically Controlled	
Max Torque Nm (lb-ft)	4,631	3,416	5,076	3,744	4,810	3,548	N/P	N/P
Fan Drive for Radiator Cooling	Belt		Mechanical		N/P		N/P	
Fuel System	Direct Injection		Direct Injection		Unit Injection System		N/P	
Air Cleaner	Dry Type Dual Element and Precleaner		Dry Type Dual Element and Precleaner		Dual Cleaner with Precleaner		N/P	
Emission Certification (optional)	Tier 2 (3/4)		Tier 2		Tier 2		N/P	
<b>Drivetrain</b>								
Transmission Type	Full Automatic, Planetary Gear, Integrated Retarder		Full Automatic, Planetary Type		Full Automatic, Planetary Type		Allison M8610	
Number of Speeds (Fwd)	6		7		7		6	
Number of Speeds (Rev)	1		2		1		1	
Max. Speed (Fwd) kph (mph)	60	(37)	65	(40)	65	(40)	49	(30)
Lock-up Clutch	Yes		Wet, Single-Disk Clutch		N/P		N/P	
Shift Control	Automatic		Electronic Shift Control		Electronic		N/P	
Retarder Type	Transmission Integrated		Oil-Cooled		Oil-Cooled		N/P	
Service Brake Front	Full Hydraulic, Dry Disc		Full Hydraulic, Dry Disc		Front and Rear Brakes		N/P	
Service Brake Rear	Multiple Disc Bathed in Oil, Sealed		Full-Hydraulic, Oil-Cooled, Multiple-Disc Type		Wet Disc		N/P	
Parking Brake	Spring Applied, Hydraulic Release		Spring Applied, Hydraulic Release		Wet Disc		N/P	
Final Drive Type	Planetary Gear		Planetary Gear		Spring-Applied		N/P	
Differential Ratio	3.382		3.538		2.74		N/P	
Planetary Ratio	6.000		4.737		7.00		N/P	
Rear Axle Type	Full-Floating		Full-Floating		N/P		N/P	
Steering Type	Full Hydraulic Power Steering		Full Hydraulic Power Steering		N/P		N/P	
Supplementary Steering	Assisted by Accumulator		Manual Control		Battery Powered		N/P	
Min. Turning Radius mm (ft)	10,500	(34)	10,100	(33)	12,650	(42)	N/P	N/P
Front Suspension Type	Independent Hydropneumatic Cylinders		Independent Hydropneumatic Cylinders		N/P		N/P	
Effective Cylinder Stroke (Front) mm (in)	275	(11)	320	(13)	319	(13)	N/P	N/P
Rear Suspension Type	Hydropneumatic Cylinders with A-frame and Lateral Stabilizer Bar		Hydropneumatic Suspension Cylinder		N/P		N/P	
<b>Tires</b>								
Tires	27.00-R49		27.00-R49		27.00-R49		27.00-49	
<b>Hydraulics</b>								
Hoist Cylinder	Twin, 3-Stage Double Acting Cylinder		Twin, 2-Stage Telescopic Type		Twin, 2-Stage Double Acting Cylinder		N/P	
Hoist Working Pressure Mpa (Psi)	25	(3,626)	21	(3,046)	19	(2,756)	N/P	N/P
Hoist Time (sec)	15		13		15		N/P	
<b>Drum Body</b>								
Dump Body Capacity (Heaped) m3 (cu. Yd)	58	(75.9)	60	(78.5)	60	(78.5)	N/P	N/P
Dump Body Capacity (Struck) m3 (cu. Yd)	42	(54.9)	40	(52.3)	42	(54.9)	N/P	N/P
Payload kg (lb)	91,000	(200,621)	91,000	(200,621)	95,172	(209,818)	90,720	(200,003)
Dump Body Structure	V-Shaped		V-Shaped		Dual Slope		N/P	
<b>Dimensions</b>								
Overall Length mm (ft)	11,560	(38)	11,015	(36)	10,535	(35)	N/P	N/P
Overall Width mm (ft)	6,060	(20)	5,980	(20)	6,494	(21)	N/P	N/P
Wheelbase mm (ft)	4,700	(15)	4,950	(16)	4,560	(15)	N/P	N/P
Overall Height mm (ft)	4,450	(15)	5,050	(17)	5,170	(17)	N/P	N/P
Dump Height mm (ft)	10,000	(33)	10,080	(33)	10,325	(34)	N/P	N/P
Max. Dump Angle	68 degrees		48 degrees		N/P		N/P	
Loading Height mm (ft)	4,450	(15)	4,285	(14)	4,380	(14)	N/P	N/P
Ground Clearance mm (in)	778	(31)	N/P	N/P	896	(3)	N/P	N/P
<b>Weight</b>								
Empty Vehicle Weight kg (lb)	69,000	(152,119)	72,300	(159,394)	64,248	(141,643)	67,000	(147,710)
<b>Refill Capacities</b>								
Fuel Tank L (Gal)	1,126	(297)	1,308	(346)	1,136	(300)	1,275	(337)

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