



Off-Highway Truck	Rhino RT70		Komatsu HD605		Cat 775G		TEREX TR70	
General								
Brand	Rhino		Komatsu		Cat		TEREX	
Model	RT70		HD605		775G		TR70	
Gross Engine Output Kw (Hp)	567	(760)	551	(739)	615	(825)	511	(685)
Max. Gross (Loaded) Weight kg (lb)	111,000	(244,713)	110,180	(242,905)	111,811	(246,501)	112,690	(248,439)
Engine								
Engine Model (optional)	Cummins QSK23 (Rhino)		SAA6D170E-5		C27 ACERT		Detroit Diesel MTU	
Engine Type	Water Cooled, 4 Cycle		Water Cooled, 4 Cycle		Water Cooled, 4		Water Cooled, 4 Cycle	
Aspiration	Turbocharged, Aftercooled		Turbocharged,		Turbocharged,		Turbocharged,	
Number of Cylinder	6		6		12		6	
Bore x Stroke mm (in)	170 x 170	(6.7 x 6.7)	170 x 170	(6.7 x 6.7)	137 x	(5.4 x	130 x 150	(5.11 x 5.91)
Piston Displacement L (cu. In)	23.2	(1,415.7)	23.2	(1,415.7)	27	(1,647.6)	24	(1,464.6)
Governor Type	Electronically Controlled		Electronically Controlled		N/P		Electronically Controlled	
Max Torque Nm (lb-ft)	328	242	339	250	4,269	3,149	N/P	N/P
Fan Drive for Radiator Cooling	Belt		Mechanical		Hydraulic		N/P	
Fuel System	Direct Injection		Direct Injection		Mechanically		N/P	
Air Cleaner	Dry Type Dual Element and		Dry Type Dual Element		Radial seal with		N/P	
Emission Certification (optional)	Tier 2 (3/4)		Tier 3		Tier 4		N/P	
Drivetrain								
Transmission Type	Full Automatic, Planetary		Full Automatic, Planetary		Planetary		Allison M6610AR	
Number of Speeds (Fwd)	6		7		7		6	
Number of Speeds (Rev)	1		1		1		2	
Max. Speed (Fwd) kph (mph)	60	(37)	70	(43)	67	(42)	58	(36)
Lock-up Clutch	Yes		Wet, Single-Disk Clutch		Yes		N/P	
Shift Control	Automatic		Electronic Shift Control		N/P		N/P	
Retarder Type	Transmission Integrated		Oil-Cooled		Oil-Cooled		N/P	
Service Brake Front	Full Hydraulic, Dry Disc		Full Hydraulic, Dry Disc		Full Hydraulic,		N/P	
Service Brake Rear	Multiple Disc Bathed in Oil,		Full-Hydraulic, Oil-		Full-Hydraulic,		N/P	
Parking Brake	Spring Applied, Hydraulic		Spring Applied, Hydraulic		Spring Applied,		N/P	
Final Drive Type	Planetary Gear		Planetary Gear		Planetary Gear		N/P	
Differential Ratio	3.846		3.538		3.64		N/P	
Planetary Ratio	5.700		4.737		4.80		N/P	
Rear Axle Type	Full-Floating		Full-Floating		N/P		N/P	
Steering Type	Full Hydraulic Power		Full Hydraulic Power		Full Hydraulic		N/P	
Supplementary Steering	Assisted by Accumulator		Manual Control		Battery Powered		N/P	
Min. Turning Radius mm (ft)	10,500	(34)	8,500	(28)	11,750	(39)	N/P	N/P
Front Suspension Type	Independent		Independent		N/P		N/P	
Effective Cylinder Stroke (Front) mm (in)	328	(13)	303	(12)	234	(9)	N/P	N/P
Rear Suspension Type	Hydropneumatic Cylinders		Hydropneumatic		N/P		N/P	
Tires								
Tires	24.00-R35		24.00-R35		24.00-R35		24.00-35	
Hydraulics								
Hoist Cylinder	Twin, 3-Stage Double		Twin, 2-Stage Telescopic		Twin, 2-Stage		N/P	
Hoist Working Pressure Mpa (Psi)	21	(3,046)	21	(3,046)	18	(2,611)	N/P	N/P
Hoist Time (sec)	13		12		10		N/P	
Drum Body								
Dump Body Capacity (Heaped) m3 (cu. Yd)	41	(53.6)	40	(52.3)	43	(56.2)	N/P	N/P
Dump Body Capacity (Struck) m3 (cu. Yd)	30	(39.2)	29	(37.9)	33	(43.2)	N/P	N/P
Payload kg (lb)	65,000	(143,300)	63,000	(138,891)	63,674	(140,377)	65,000	(143,300)
Dump Body Structure	V-Shaped		V-Shaped		Dual Slope		N/P	
Dimensions								
Overall Length mm (ft)	9,752	(32)	9,355	(31)	10,073	(33)	N/P	N/P
Overall Width mm (ft)	5,382	(18)	5,395	(18)	5,673	(19)	N/P	N/P
Wheelbase mm (ft)	4,300	(14)	4,300	(14)	4,215	(14)	N/P	N/P
Overall Height mm (ft)	4,615	(15)	4,400	(14)	4,459	(15)	N/P	N/P
Dump Height mm (ft)	9,128	(30)	8,800	(29)	9,279	(30)	N/P	N/P
Max. Dump Angle	58 degrees		48 degrees		60 degrees		N/P	
Loading Height mm (ft)	3,940	(13)	3,860	(13)	3,963	(13)	N/P	N/P
Ground Clearance mm (in)	660	(2)	604	(2)	759	(2)	N/P	N/P
Weight								
Empty Vehicle Weight kg (lb)	46,000	(101,413)	46,200	(101,854)	47,174	(104,001)	47,690	(105,138)
Refill Capacities								
Fuel Tank L (Gal)	838	(221)	780	(206)	795	(210)	938	(248)

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