



Characteristic / Característica	RHINO RWL163	Caterpillar 938M / 938 GC	Komatsu WA320-8 / WA380-8	CASE 621G / 721G	SANY SW955K / SW956K	John Deere 544 P / 624 P-Tier
General / General						
Brand / Marca	RHINO	Caterpillar	Komatsu	CASE	SANY	John Deere
Model / Modelo	RWL163	938M / 938 GC	WA320-8 / WA380-8	621G / 721G	SW955K / SW956K	544 P-Tier / 624 P-Tier
Frame Type / Tipo de Chasis	Articulated / Articulado	Articulated / Articulado	Articulated / Articulado	Articulated / Articulado	Articulated / Articulado	Articulated / Articulado
Operating Weight / Peso Operativo kg (lb)	16,300 (35,935)	16,000 (35,274) / 16,400 (36,156)	15,500 (34,172) / 18,000 (39,683)	12,600 (27,778) / 14,800 (32,628)	16,500 (36,376) / 17,200 (37,919)	14,100 (31,085) / 15,800 (34,833)
Engine / Motor						
Engine Make / Marca del Motor	Cummins / Weichai	Caterpillar	Komatsu / Cummins	FPT (Fiat Powertrain)	Deutz / Weichai	PowerTech (John Deere)
Engine Model / Modelo del Motor	6BTA5.9 / WP6	Cat C7.1 ACERT	SAA6D107E-3	N67 / F4HFE613	TCD 7.8 / WP10	6068H
Engine Type / Tipo de Motor	4-Stroke Diesel / Diésel 4 Tiempos	4-Stroke Diesel / Diésel 4 Tiempos	4-Stroke Diesel / Diésel 4 Tiempos	4-Stroke Diesel / Diésel 4 Tiempos	4-Stroke Diesel / Diésel 4 Tiempos	4-Stroke Diesel / Diésel 4 Tiempos
Aspiration / Aspiración	Turbocharged CAC	Turbocharged CAC	Turbocharged CAC	Turbocharged CAC	Turbocharged CAC	Turbocharged CAC
Number of Cylinders / Número de Cilindros	6	6	6	6	6	6
Net Horsepower / Potencia Neta kW (hp)	119.0 (160.0) @ 2,200 rpm	136.0 (182.0) / 129.0 (173.0)	123.0 (165.0) / 143.0 (192.0)	121.0 (162.0) / 145.0 (195.0)	162.0 (217.0) / 162.0 (217.0)	124.0 (166.0) / 143.0 (192.0)
Gross Horsepower / Potencia Bruta kW (hp)	125.0 (168.0)	140.0 (188.0) / 134.0 (180.0)	127.0 (170.0) / 145.0 (194.0)	130.0 (174.3) / 158.0 (212.0)	162.0 (217.0) / 162.0 (217.0)	127.0 (170.3) / 148.0 (198.0)
Displacement / Desplazamiento L (cu. in)	5.9 (360) / 6.75 (412)	7.1 (433)	6.7 (409)	6.7 (409)	7.8 (476) / 9.7 (592)	6.8 (415)
Fuel System / Sistema de Combustible	Direct Injection / Mechanical	Common Rail / Riel Común	Common Rail / Riel Común	Common Rail / Riel Común	Common Rail / Riel Común	Common Rail / Riel Común
Powertrain & Speed / Tren de Potencia y Velocidad						
Transmission Type / Tipo de Transmisión	Countershaft Power Shift	Hydrostatic Drive / Power Shift	Hydrostatic Drive / Power Shift	Power Shift Ergopower	Countershaft Power Shift	Power Shift Direct Drive
Transmission Speeds (Forward/Reverse) / Marchas	4F / 3R	2F / 2R (Hydro) / 4F / 3R	2F / 2R (Hydro) / 4F / 4R	4F / 3R	4F / 3R	4F / 3R
Max. Forward Speed / Velocidad Máx. Avance Kph (mph)	38.0 (23.6)	40.0 (24.8)	38.0 (23.6) / 40.0 (24.8)	40.0 (24.8)	38.0 (23.6) / 40.0 (24.8)	40.0 (24.8)
Steering Articulation Angle / Ángulo de Articulación	±38°	±40°	±40°	±40°	±38°	±40°
Standard Tire Size / Tamaño Estándar de Llantas	20.5-25	20.5-25	20.5-25	20.5-25	23.5-25	20.5-25
Hydraulics / Sistema Hidráulico						
Hydraulic Pump Type / Tipo de Bomba Hidráulica	Gear Pump / Engranajes	Variable Displacement Piston / Pistones Caudal Variable	Variable Displacement Piston / Pistones Caudal Variable	Variable Displacement Piston / Pistones Caudal Variable	Variable Displacement Piston / Pistones Caudal Variable	Variable Displacement Piston / Pistones Caudal Variable
Pump Flow Capacity / Caudal de Bomba L/min (gpm)	160.0 (42.3)	190.0 (50.2) / 200.0 (52.8)	170.0 (44.9) / 210.0 (55.5)	170.0 (44.9) / 206.0 (54.4)	220.0 (58.1)	190.0 (50.2) / 215.0 (56.8)
System Relief Pressure / Ajuste Válvula de Alivio Mpa (psi)	22.0 (3,190)	28.0 (4,061)	25.0 (3,626) / 32.0 (4,641)	25.0 (3,626) / 28.0 (4,061)	25.0 (3,626)	25.0 (3,626) / 27.5 (3,988)
Performance / Rendimiento de Carga						
Bucket Capacity Range / Rango Cucharón m3 (cu. yd)	2.50 - 3.20 (3.27 - 4.19)	2.30 - 3.20 (3.01 - 4.19)	2.30 - 3.20 (3.01 - 4.19)	2.30 - 3.40 (3.01 - 4.45)	3.00 - 3.50 (3.92 - 4.58)	2.40 - 3.10 (3.14 - 4.05)
Standard Bucket Capacity / Cucharón Estándar m3 (cu. yd)	3.00 (3.92)	2.70 (3.53) / 2.80 (3.66)	2.70 (3.53) / 3.10 (4.05)	2.30 (3.01) / 2.80 (3.66)	3.00 (3.92)	2.40 (3.14) / 2.70 (3.53)
Rated Payload / Capacidad Nominal de Carga kg (lb)	5,000 (11,023)	4,800 (10,582) / 5,000 (11,023)	4,500 (9,921) / 5,500 (12,125)	4,000 (8,818) / 5,000 (11,023)	5,000 (11,023) / 5,500 (12,125)	4,400 (9,700) / 5,200 (11,464)
Tipping Load - Straight / Carga de Vuelco Recto kg (lb)	12,500 (27,558)	11,800 (26,015) / 12,200 (26,896)	11,500 (25,353) / 13,800 (30,424)	10,500 (23,148) / 12,800 (28,219)	12,800 (28,219) / 13,500 (29,762)	11,500 (25,353) / 13,000 (28,660)
Tipping Load - Full Turn / Carga de Vuelco Articulado kg (lb)	10,800 (23,810)	10,200 (22,487) / 10,600 (23,369)	9,800 (21,605) / 11,800 (26,014)	8,900 (19,621) / 10,900 (24,030)	11,000 (24,251) / 11,800 (26,014)	9,800 (21,605) / 11,200 (24,692)
Bucket Breakout Force / Fuerza de Desprendimiento kN (lbf)	155.0 (34,845)	138.0 (31,024) / 142.0 (31,923)	132.0 (29,675) / 165.0 (37,094)	125.0 (28,101) / 152.0 (34,171)	160.0 (35,970) / 175.0 (39,342)	130.0 (29,225) / 150.0 (33,721)
Max. Dump Clearance at 45° / Altura de Descarga 45° mm (ft)	3,150 (10.3)	3,080 (10.1) / 3,120 (10.2)	3,050 (10.0) / 3,180 (10.4)	3,020 (9.9) / 3,150 (10.3)	3,120 (10.2) / 3,180 (10.4)	3,080 (10.1) / 3,150 (10.3)
Reach at Max. Dump Height / Alcance a Carga Máx. mm (in)	1,180 (46.5)	1,120 (44.1) / 1,150 (45.3)	1,100 (43.3) / 1,180 (46.5)	1,080 (42.5) / 1,160 (45.7)	1,150 (45.3) / 1,200 (47.2)	1,120 (44.1) / 1,180 (46.5)
Dimensions / Dimensiones						
Overall Length (Bucket on Ground) / Longitud Total mm (ft)	7,850 (25.8)	7,650 (25.1) / 7,800 (25.6)	7,600 (24.9) / 8,200 (26.9)	7,450 (24.4) / 7,950 (26.1)	7,900 (25.9) / 8,150 (26.7)	7,650 (25.1) / 8,000 (26.2)
Overall Width Across Tires / Ancho Total mm (ft)	2,600 (8.5)	2,580 (8.5) / 2,620 (8.6)	2,550 (8.4) / 2,780 (9.1)	2,500 (8.2) / 2,680 (8.8)	2,650 (8.7) / 2,750 (9.0)	2,580 (8.5) / 2,680 (8.8)
Overall Height to Top of Cab / Altura a Cabina mm (ft)	3,380 (11.1)	3,340 (11.0) / 3,380 (11.1)	3,280 (10.8) / 3,450 (11.3)	3,280 (10.8) / 3,380 (11.1)	3,380 (11.1) / 3,420 (11.2)	3,300 (10.8) / 3,380 (11.1)
Wheelbase / Distancia Entre Ejes mm (ft)	3,050 (10.0)	3,020 (9.9) / 3,080 (10.1)	2,900 (9.5) / 3,200 (10.5)	2,900 (9.5) / 3,200 (10.5)	3,100 (10.2) / 3,200 (10.5)	3,000 (9.8) / 3,150 (10.3)
Ground Clearance / Distancia Mínima al Suelo mm (in)	450 (17.7)	430 (16.9) / 450 (17.7)	440 (17.3) / 480 (18.9)	420 (16.5) / 450 (17.7)	450 (17.7) / 480 (18.9)	430 (16.9) / 460 (18.1)
Refill Capacities / Capacidades de Llenado de Mantenimiento						
Refill Capacity - Fuel Tank / Capacidad Tanque de Combustible L (gal)	220.0 (58.1)	200.0 (52.8) / 215.0 (56.8)	190.0 (50.2) / 245.0 (64.7)	200.0 (52.8) / 248.0 (65.5)	230.0 (60.8) / 260.0 (68.7)	215.0 (56.8) / 240.0 (63.4)
Refill Capacity - Hydraulic Tank / Capacidad Tanque Hidráulico L (gal)	160.0 (42.3)	150.0 (39.6) / 165.0 (43.6)	150.0 (39.6) / 180.0 (47.5)	140.0 (37.0) / 165.0 (43.6)	155.0 (40.9) / 175.0 (46.2)	140.0 (37.0) / 160.0 (42.3)
Refill Capacity - Engine Oil / Capacidad Aceite de Motor L (gal)	18.0 (4.8)	18.0 (4.8) / 19.5 (5.2)	18.0 (4.8) / 23.0 (6.1)	17.5 (4.6) / 20.0 (5.3)	19.0 (5.0) / 22.0 (5.8)	18.0 (4.8) / 21.0 (5.5)