



Characteristic / Característica	RHINO RD13	Caterpillar D4	John Deere 650 P-Tier	CASE 1150M	Komatsu D51EX-24	New Holland D150B
General						
Brand / Marca	RHINO	Caterpillar	John Deere	CASE	Komatsu	New Holland
Model / Modelo	RD13	D4	650 P-Tier	1150M	D51EX-24	D150B
Blade Type / Tipo de Hoja	Semi-U / PAT (6-Way)	PAT (6-Way / 6 Vias)	PAT (6-Way / 6 Vias)	PAT (6-Way / 6 Vias)	PAT (6-Way / 6 Vias)	PAT (6-Way / 6 Vias)
Net Horsepower / Potencia Neta kW (hp)	97 (130)	97 (130)	78 (104)	103 (138)	98 (131)	97 (130)
Operating Weight / Peso Operativo kg (lb)	13,700 (30,203)	13,272 (29,259)	9,360 (20,635)	13,858 (30,552)	13,810 (30,446)	13,500 (29,762)
Engine / Motor						
Engine Make / Marca del Motor	Cummins	Caterpillar	John Deere	FPT (Fiat Powertrain)	Komatsu	FPT (Fiat Powertrain)
Engine Model / Modelo del Motor	6BTA5.9	Cat C4.4	PowerTech 4045HT	F4HFE613F	SAA4D107E-3	F4HE9684E
Engine Type / Tipo de Motor	4-Stroke Diesel	4-Stroke Diesel	4-Stroke Diesel	4-Stroke Diesel	4-Stroke Diesel	4-Stroke Diesel
Aspiration / Aspiración	Turbocharged	Turbocharged CAC	Turbocharged CAC	Turbocharged CAC	Turbocharged CAC	Turbocharged CAC
Number of Cylinders / Nro. Cilindros	6	4	4	6	4	6
Bore x Stroke / Diámetro x Carrera mm (in)	102 x 120 (4.02 x 4.72)	105 x 127 (4.13 x 5.00)	106 x 127 (4.17 x 5.00)	104 x 132 (4.09 x 5.20)	107 x 124 (4.21 x 4.88)	104 x 132 (4.09 x 5.20)
Piston Displacement / Desplazamiento L (cu. in)	5.9 (360)	4.4 (269)	4.5 (275)	6.7 (409)	4.46 (272)	6.7 (409)
Fan Drive for Radiator Cooling / Mando Ventilador	Direct Mechanical	Hydraulic	Direct Mechanical	Hydraulic	Hydraulic	Hydraulic
Fuel System / Sistema de Combustible	Direct Injection	Common Rail	Common Rail	Common Rail	Common Rail	Common Rail
Drivetrain / Tren de Mando						
Drivetrain Type / Tipo Tren de Mando	Powershift	Hydrostatic (HST)	Hydrostatic (HST)	Hydrostatic (HST)	Hydrostatic (HST)	Hydrostatic (HST)
Number of Speeds / Nro. Velocidades (Av/Re)	3 Fwd / 3 Rev	Infinitely Variable	Infinitely Variable	Infinitely Variable	Infinitely Variable	Infinitely Variable
Max. Speed Forward / Vel. Máx. Avance Kph (mph)	10.6 (6.6)	9.0 (5.6)	8.9 (5.5)	9.7 (6.0)	9.0 (5.6)	9.7 (6.0)
Max. Speed Reverse / Vel. Máx. Reversa Kph (mph)	13.6 (8.5)	10.0 (6.2)	8.9 (5.5)	9.7 (6.0)	9.5 (5.9)	9.7 (6.0)
Steering Control / Control de Dirección	Clutch & Brake	Dual-Path HST Joystick	Dual-Path HST Joystick	Dual-Path HST Joystick	PCCS Joystick	Dual-Path HST Joystick
Minimum Turning Radius / Radio Min. Giro m (ft)	2.6 (8.5)	0 (Counter-rotation)	0 (Counter-rotation)	0 (Counter-rotation)	0 (Counter-rotation)	0 (Counter-rotation)
Final Drives / Mandos Finales	Spur Gear Double Red.	Triple Red. Planetary	Double Red. Planetary	Double Red. Planetary	Planetary Final Drive	Double Red. Planetary
Sprockets / Ruedas Dentadas	Segmented	Segmented	Segmented	Segmented	Segmented	Segmented
Undercarriage / Tren de Rodaje						
Undercarriage Suspension Type / Tipo Suspensión	Semi-Rigid	Semi-Rigid	Rigid Frame	Rigid Frame	Rigid Frame	Rigid Frame
Track Roller Frame / Bastidor de Rodillos	Box Section	Box Section	Box Section	Box Section	Box Section	Box Section
Track Roller Type / Tipo Rodillos de Oruga	Sealed & Lubricated	Sealed & Lubricated	Sealed & Lubricated	Sealed & Lubricated	Sealed & Lubricated	Sealed & Lubricated
Number of Track Rollers / Rodillos inf. (x lado)	6	7	6	7	7	7
Number of Carrier Rollers / Rodillos sup. (x lado)	2	1	1	2	2	2
Type of Shoes / Tipo de Zapatas	Single Grouser	Single Grouser	Single Grouser	Single Grouser	Single Grouser	Single Grouser
Number of Shoes per Side / Nro. Zapatas por Lado	38	40	37	40	44	40
Grouser Height / Altura de la Garra mm (in)	53 (2.1)	57 (2.24)	50 (2.0)	56 (2.2)	54 (2.1)	56 (2.2)
Ground Contact Area / Área Contacto cm2 (in2)	23,600 (3,658)	26,100 (4,046)	21,200 (3,286)	27,200 (4,216)	27,400 (4,247)	26,800 (4,154)
Ground Pressure / Presión sobre Suelo Kpa (psi)	56.8 (8.24)	49.8 (7.2)	43.3 (6.28)	49.9 (7.24)	49.5 (7.18)	49.4 (7.16)
Track Gauge / Ancho de Vía mm (ft)	1,880 (6.17)	1,892 (6.21)	1,778 (5.83)	1,880 (6.17)	1,790 (5.87)	1,880 (6.17)
Length of Track on Ground / Long. Oruga Suelo mm (ft)	2,365 (7.76)	2,610 (8.56)	2,311 (7.58)	2,590 (8.50)	2,745 (9.01)	2,590 (8.50)
Hydraulics / Sistema Hidráulico						
Hydraulic Type / Tipo Sistema Hidráulico	Gear Pump System	Load Sensing Piston	Load Sensing Piston	Load Sensing Piston	CLSS Load Sensing	Load Sensing Piston
Hydraulic Pump Capacity / Cap. Bomba L/min (gpm)	80 (21.1)	155 (41.0)	92 (24.3)	132 (34.9)	107 (28.3)	132 (34.9)
Relief Valve Setting / Presión Alivio Mpa (psi)	19.1 (2,770)	20.6 (2,988)	20.0 (2,900)	20.7 (3,000)	20.6 (2,988)	20.7 (3,000)
Dozer Blade / Hoja Topadora						
Blade Type / Tipo de Hoja	Straight Tilt / Semi-U	PAT (6-Way / 6 Vias)	PAT (6-Way / 6 Vias)	PAT (6-Way / 6 Vias)	PAT (6-Way / 6 Vias)	PAT (6-Way / 6 Vias)
Dozer Blade Capacity / Capacidad Hoja m3 (cu. yd)	3.7 (4.84)	3.26 (4.26)	2.41 (3.15)	3.18 (4.16)	2.90 (3.79)	3.18 (4.16)
Blade Width x Height / Ancho x Alto Hoja mm (ft)	3,100 x 1,155 (10.17 x 3.79)	3,196 x 1,112 (10.49 x 3.65)	2,921 x 1,016 (9.58 x 3.33)	3,073 x 1,120 (10.08 x 3.67)	3,045 x 1,120 (9.99 x 3.67)	3,073 x 1,120 (10.08 x 3.67)
Dimensions / Dimensiones						
Overall Length / Longitud Total mm (ft)	4,980 (16.34)	4,868 (15.97)	4,620 (15.16)	4,850 (15.91)	4,800 (15.75)	4,850 (15.91)
Overall Height / Altura Total mm (ft)	3,065 (10.06)	3,025 (9.92)	2,870 (9.42)	3,010 (9.88)	3,175 (10.42)	3,010 (9.88)
Height to Top of Exhaust Stack / Alt. Escape mm (ft)	2,940 (9.65)	2,980 (9.78)	2,820 (9.25)	2,950 (9.68)	3,050 (10.01)	2,950 (9.68)
Overall Width (Shipping) / Ancho Envío mm (ft)	3,100 (10.17)	3,196 (10.49)	2,921 (9.58)	3,073 (10.08)	3,045 (9.99)	3,073 (10.08)
Overall Track Width / Ancho Orugas mm (ft)	2,390 (7.84)	2,402 (7.88)	2,235 (7.33)	2,438 (8.00)	2,330 (7.64)	2,438 (8.00)
Center of Idler to Center of Sprocket mm (ft)	2,365 (7.76)	2,610 (8.56)	2,311 (7.58)	2,590 (8.50)	2,745 (9.01)	2,590 (8.50)
Maintenance / Mantenimiento						
Refill Capacity - Coolant / Refrig. L (gal)	38 (10.04)	22.5 (5.94)	21.0 (5.55)	25.0 (6.60)	33.5 (8.85)	25.0 (6.60)
Refill Capacity - Fuel Tank / Combustible L (gal)	230 (60.76)	260 (68.68)	220 (58.12)	250 (66.04)	270 (71.33)	250 (66.04)
Refill Capacity - Engine / Aceite Motor L (gal)	20 (5.28)	11.0 (2.91)	13.0 (3.43)	15.6 (4.12)	12.5 (3.30)	15.6 (4.12)
Refill Capacity - Hydraulics / Hidráulico L (gal)	75 (19.81)	62.0 (16.38)	52.0 (13.74)	70.0 (18.49)	64.0 (16.91)	70.0 (18.49)
Refill Capacity - Final Drives, Each / Mando Final L (gal)	15 (3.96)	15.0 (3.96)	12.0 (3.17)	18.0 (4.76)	15.0 (3.96)	18.0 (4.76)
Refill Capacity - Power Train / Tren Potencia L (gal)	95 (25.10)	N/A (HST Direct)	N/A (HST Direct)	N/A (HST Direct)	N/A (HST Direct)	N/A (HST Direct)