

| Characteristic / Característica | RHINO RFD1X-3570 | Epiroc Boomer M1D | Epiroc Boomer S1 | Sandvik DD311 | Resemin Troidon 55 XP |
|---|---|---|---|---|---|
| **General / General** | | | | | |
| Brand / Marca | RHINO | Epiroc | Epiroc | Sandvik | Resemin |
| Model / Modelo | RFD1X-3570 | Boomer M1D | Boomer S1 | DD311 | Troidon 55 XP |
| Machine Type / Tipo de Equipo | Face Drill / Jumbo Frontal | Face Drill / Jumbo Frontal | Face Drill / Jumbo Frontal | Face Drill / Jumbo Frontal | Face Drill / Jumbo Frontal |
| Number of Booms / Número de Brazos | 1 | 1 | 1 | 1 | 1 |
| **Engine & Power / Motor y Potencia** | | | | | |
| Diesel Engine / Motor Diésel | RHINO RFD97T / Cummins QSB4.5 | Deutz TCD 2013 L04 | Deutz D914 L04 | Deutz TCD2012 | CAT C4.4 ACERT |
| Engine Power / Potencia del Motor kW (hp) | 97 / 92 (130.1 / 123.4) | 120 (160.9) | 55 (73.8) | 74 (99.2) | 106 (142.1) |
| Emission Rating / Certificación de Emisiones | Tier 3 / Stage IIIA | Tier 3 / Stage IIIA | Tier 3 / Stage IIIA | Tier 3 / Stage IIIA | Tier 4 |
| Fuel Tank / Tanque de Combustible L (gal) | 70 (18.5) | 110 (29.1) | 60 (15.9) | 90 (23.8) | 78 (20.6) |
| **Drilling System & Coverage / Sistema de Perforación y Cobertura** | | | | | |
| Impact Power / Potencia de Impacto kW (hp) | 24.5 (32.9) | 18 (24.1) | 18 (24.1) | 20 (26.8) | 21 (28.2) |
| Percussion Frequency / Frecuencia de Percusión Hz (bpm) | 68 (4,080) | 60 (3,600) | 60 (3,600) | 67 (4,020) | 62 (3,720) |
| Rotation Torque / Torque de Rotación N·m (lb-ft) | 1,260 (929) | 1,000 (738) | 1,000 (738) | 400 (295) | 764 (563) |
| Hole Diameter / Diámetro de Perforación mm (in) | 76 (2.99) | 55–72 (2.17–2.83) | 55–72 (2.17–2.83) | 43–64 (1.69–2.52) | 45–75 (1.77–2.95) |
| Feed Force / Fuerza de Avance kN (lbf) | 20 (4,496) | 22 (4,946) | 22.3 (5,013) | 25 (5,620) | 22.3 (5,013) |
| Max Rod Length / Longitud Máx. de Barra mm (ft) | 4,405 (14.5) | 5,525 (18.1) | 4,920 (16.1) | 4,915 (16.1) | 4,305 (14.1) |
| Drilling Depth / Profundidad de Perforación mm (ft) | 4,100 (13.5) | 5,256 (17.2) | 4,668 (15.3) | 4,660 (15.3) | 4,670 (15.3) |
| Max Coverage Area / Área Máx. de Cobertura m² (ft²) | 48 (516.7) | 65 (699.7) | 33 (355.2) | 40 (430.6) | 39 (419.8) |
| Max Coverage W × H / Cobertura Máx. Ancho × Alto mm | 8,650 × 6,800 | 9,655 × 7,178 | 7,240 × 5,360 | 7,210 × 5,810 | 7,870 × 5,830 |
| Min Tunnel Section / Sección Mínima de Túnel m | 3.0 × 3.0 | 4.0 × 4.0 | 2.9 × 2.9 | 3.0 × 3.0 | 3.5 × 3.5 |
| Max Tunnel Section / Sección Máxima de Túnel m | 7.0 × 6.5 | 9.7 × 7.2 | 7.2 × 5.4 | 7.2 × 5.8 | 5.3 × 5.3 |
| **Electrical, Air & Water / Sistema Eléctrico, Aire y Agua** | | | | | |
| Main Electric Motors / Motores Eléctricos Principales kW | 2 × 55 | 1 × 75 | 1 × 55 / 75 / 95 | 1 × 55 | 1 × 75 |
| Total Installed Power / Potencia Total Instalada kW (hp) | 122 (163.6) | 83 (111.3) | 59–99 (79.1–132.8) | 70 (93.9) | 88.5 (118.7) |
| Voltage / Voltaje | 380 / 50 Hz | 380–1,000 V | 380–1,000 V | 380–690 V | 380–1,000 V |
| Cable Length / Longitud del Cable m (ft) | 100–120 (328.1–393.7) | 100 (328.1) | 100 (328.1) | 100 (328.1) | 90 (295.3) |
| Compressor Capacity / Capacidad del Compresor m³/min (cfm) | 1.4 (49.4) | 1.1 (38.8) | 1.1 (38.8) | 1 (35.3) | 0.8 (29.0) |
| Water Flow / Caudal de Agua L/min (gpm) | 70 (18.5) | 200 (52.8) | 66 (17.4) | 33 (8.7) | 115 (30.4) |
| Water Pressure / Presión de Agua bar (psi) | 8–12 (116–174) | 15 (218) | 12 (174) | 10–15 (145–218) | 10 (145) |
| **Drive & Hydraulics / Tren de Mando e Hidráulica** | | | | | |
| Transmission / Transmisión | Hidrostática / Hydrostatic | Hidrostática / Hydrostatic | Hidrostática / Hydrostatic | Hidrostática / Hydrostatic | Hidrodinámica Dana / Hydrodynamic |
| Max Travel Speed / Vel. Máx. de Traslado km/h (mph) | 15 (9.3) | 15 (9.3) | 14.2 (8.8) | 12 (7.5) | 15 (9.3) |
| Gradeability / Pendiente Máxima % | 25 | 26.3 | 26.3 | 27 | 27 |
| Tire Size / Dimensión de Neumáticos | 12.00-20 | 12.00xR24 | 9.00xR20 | 12.00-20 | 12.00xR20 |
| Hydraulic Tank / Tanque Hidráulico L (gal) | 350 (92.5) | 206 (54.4) | 145 (38.3) | 180 (47.6) | 150 (39.6) |
| System Pressure / Presión del Sistema bar (psi) | 250 (3,626) | 230 (3,336) | 230 (3,336) | 210 (3,046) | 180 (2,611) |
| **Dimensions & Weights / Dimensiones y Pesos** | | | | | |
| Operating Weight / Peso Operativo kg (lb) | 22,300 (49,163) | 18,000–20,000 (39,683–44,092) | 12,800 (28,219) | 15,000–18,000 (33,069–39,683) | 13,400 (29,542) |
| Transport Length / Longitud de Transporte mm (ft) | 12,502 (41.0) | 14,297 (46.9) | 11,040 (36.2) | 12,520 (41.1) | 12,540 (41.1) |
| Transport Width / Ancho de Transporte mm (ft) | 2,265 (7.4) | 2,245 (7.4) | 1,750 (5.7) | 2,020 (6.6) | 1,850 (6.1) |
| Transport Height / Altura de Transporte mm (ft) | 3,245 (10.6) | 2,324 / 3,019 (7.6 / 9.9) | 2,128 / 2,828 (7.0 / 9.3) | 2,140 / 3,100 (7.0 / 10.2) | 2,787 (9.1) |
| Ground Clearance / Despeje al Suelo mm (in) | 330 (13.0) | 260 (10.2) | 365 (14.4) | 320 (12.6) | 319 (12.6) |
| Outer Turning Radius / Radio de Giro Externo mm (ft) | 7,252 (23.8) | 7,200 (23.6) | 4,950 (16.2) | 6,420 (21.1) | 6,460 (21.2) |
| Inner Turning Radius / Radio de Giro Interno mm (ft) | 3,365 (11.0) | 4,400 (14.4) | 2,985 (9.8) | 3,345 (11.0) | 3,520 (11.5) |