



**RPL45**

**PIPELAYER**



# Improved hydraulics offer greater response and more precise control.



Rhino pipelayers are engineered to provide excellent efficiency in the most demanding working conditions.

Rhino Pipe Layers are ideal for storm or sanitation sewers, drains, and water mains. Perform any combination of the following tasks: grade trenches or culverts, position pipe, or seal joints.



1. Standard high-back seat and lower cushion adjust multiple ways for daylong comfort and support.
2. Easy-to-read, high-visibility gauges and warning lamps keep the operator aware of critical system information.
3. Boom and hook draw works are driven by independent hydraulic winches.

## ENGINE

|  |  |
|--|--|
| Make/ Engine Model                     | Cummins NT855 or Rhino   |
| Emission Rating (optional)             | Tier 2 (Tier 3, Tier 4)  |
| Cylinders                              | 6  |
| Displacement L (cu. In)                | 14(854)  |
| Net Power kW (Hp) @ 2,000 rpm          | 169(227)   |
| Net Peak Torque Nm (lb-ft) @ 1,400 rpm | 1,030(760)   |
| Fuel System                            | Direct Injection   |
| Aspiration                             | Turbocharged, charge air cooled  |
| Air Cleaner                            | Under-hood, dual element dry type, restriction indicator on filter housing for service |

## COOLING

|           |                      |
|-----------|----------------------|
| Fan Drive | Hydraulically driven |
|-----------|----------------------|

## TRANSMISSION

|                           |   |
|---------------------------|---|
| Type                      | Powershift, planetary gear and multiple disc clutch, hydraulically actuated;<br>tracks are moved by a central spiral-bevel gear to provide instant power;<br>gear selection lever with linkage mechanism;<br>engine speed lever and decelerator pedal to control ground speed |
| System Pressure Mpa (psi) | 4(580)  |
| Steering                  | Individual levers to control each track to provide precision steering;<br>Steering clutch provides immediate response to the operator   |
| Final Drives              | Double reduction final drives mounted enclosed and isolated to protect them from shocks and debris  |

## PIPELAYING EQUIPMENT

|   |                |
|---|----------------|
| Max. Lifting Capacity kg (lb)                   | 45,000(99,208) |
| Standard Boom Length mm (ft)                    | 6,500(21.3)    |
| Optional Boom Length mm (ft)                    | 9,000(29.5)    |
| Hook Speed m/min (ft/min)                       | 6.0(20)        |
| Min. Boom Swing Amplitude, Standard Boom m (ft) | 1.2(3.9)       |
| Max. Boom Swing Amplitude, Standard Boom m (ft) | 6.7(21.8)      |

Equipment specifications and images may change without notice from Rhino Equipment Group Inc.

**Brakes**

Service Brakes Dynamic braking when decelerator pedal is actuated; brake pedal actuation, hydraulically activated drums on each track for instant stop and reliability.

Parking Brake Manually activated

**HYDRAULICS**

Type Gear pump

Pressure Mpa (psi) 20(2,901)

Max. Flow L/min (gpm) 450(119)

Control Lever control for winch and mast

**ELECTRICAL**

Voltage 24 Volts

Alternator Rating 50A

Lights 2 Front lights, 2 Rear lights

**UNDERCARRIAGE**

Track Gauge mm (in) 2,250(88.6)

Grouser Width mm (in) 610(24.0)

Chain Sealed and lubricated

Shoes, Each Side 45

Track Rollers, Each Side 8

Track Length on Ground mm (in) 3,050(120.1)

Ground Contact Area cm<sup>2</sup> (sq.in) 37,210(5,768)

Ground Pressure Kpa (psi) 86(12,473)

Track Pitch mm (in) 210(8.3)

**REFILL CAPACITIES L (gal)**

Fuel Tank 350(92)

Cooling System 40(11)

Engine Oil 22(6)

Transmission Fluid 90(24)

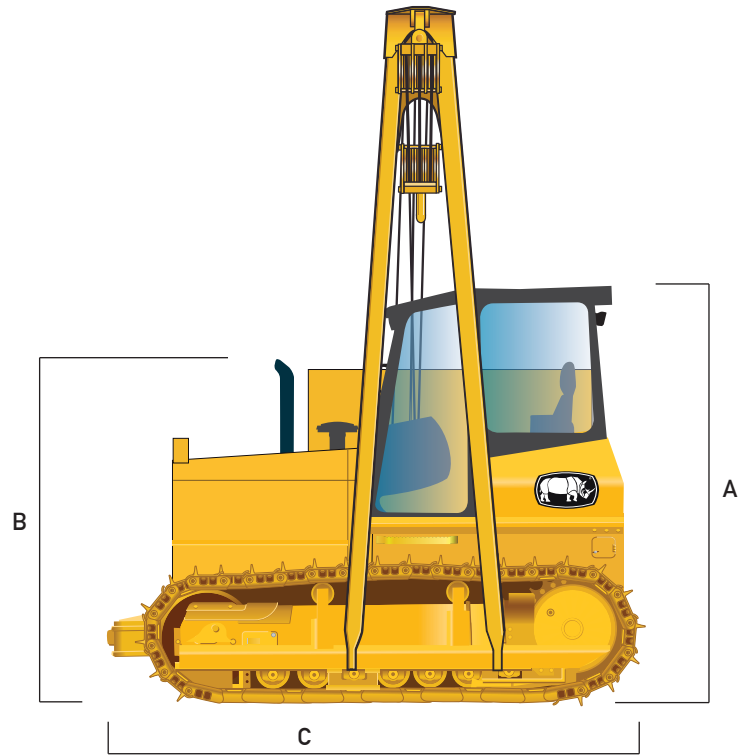
Hydraulic Tank 100(26)

Final Drive Case (for both) 60(16)

**OPERATING WEIGHTS**

Base Weight with Standard Boom Length kg (lb) 34,000(74,957)

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### MACHINE DIMENSIONS

|   |             |
|---|-------------|
| A. Height to Top of Cab mm (ft)             | 3,360(11.0) |
| B. Height to Top Exhaust Stack mm (ft)      | 3,120(10.2) |
| C. Overall Length mm (ft)                   | 4,750(15.6) |
| D. Width Over Track mm (ft)                 | 2,860(9.4)  |
| E. Overall Width mm (ft)                    | 3,700(12.1) |
| Tread Depth with Single-Bar Grouser mm (in) | 60(2.4)     |
| Ground Clearance in Dirt mm (in)            | 400(15.7)   |
| Max. Lifting Height mm (ft)                 | 5,250(17.2) |
| Minimum Turning Radius mm (ft)              | 3,200(10.5) |

### OPTIONS

ROPS/FOPS Cab, Triple Grouser Shoes, Swamp Shoes, 6.1 m (20 ft) Boom, 610 mm (24 in) Track Shoes  
 1,100 mm (43 in) Track Shoes, Tier 3, Tier 4 engine.

Pipelayer base operating information is based on machine with identified linkage and standard equipment, standard shoes, full fuel tank, and 79-kg (175 lb.) operator. This information is affected by changes in shoes, boom length, and different attachments.

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