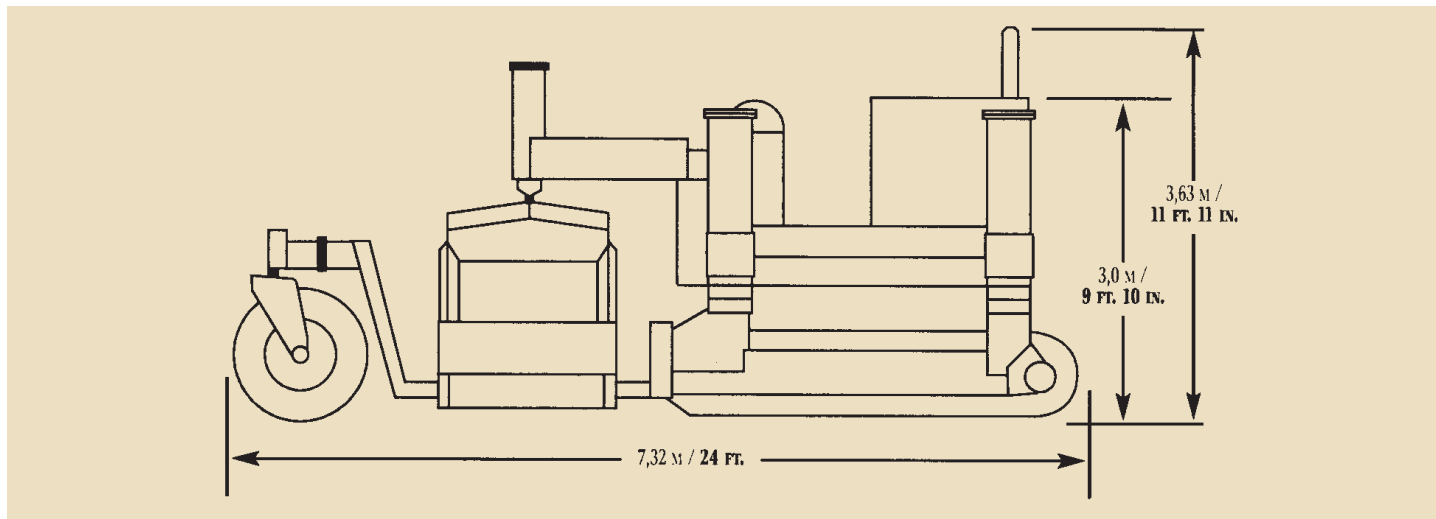
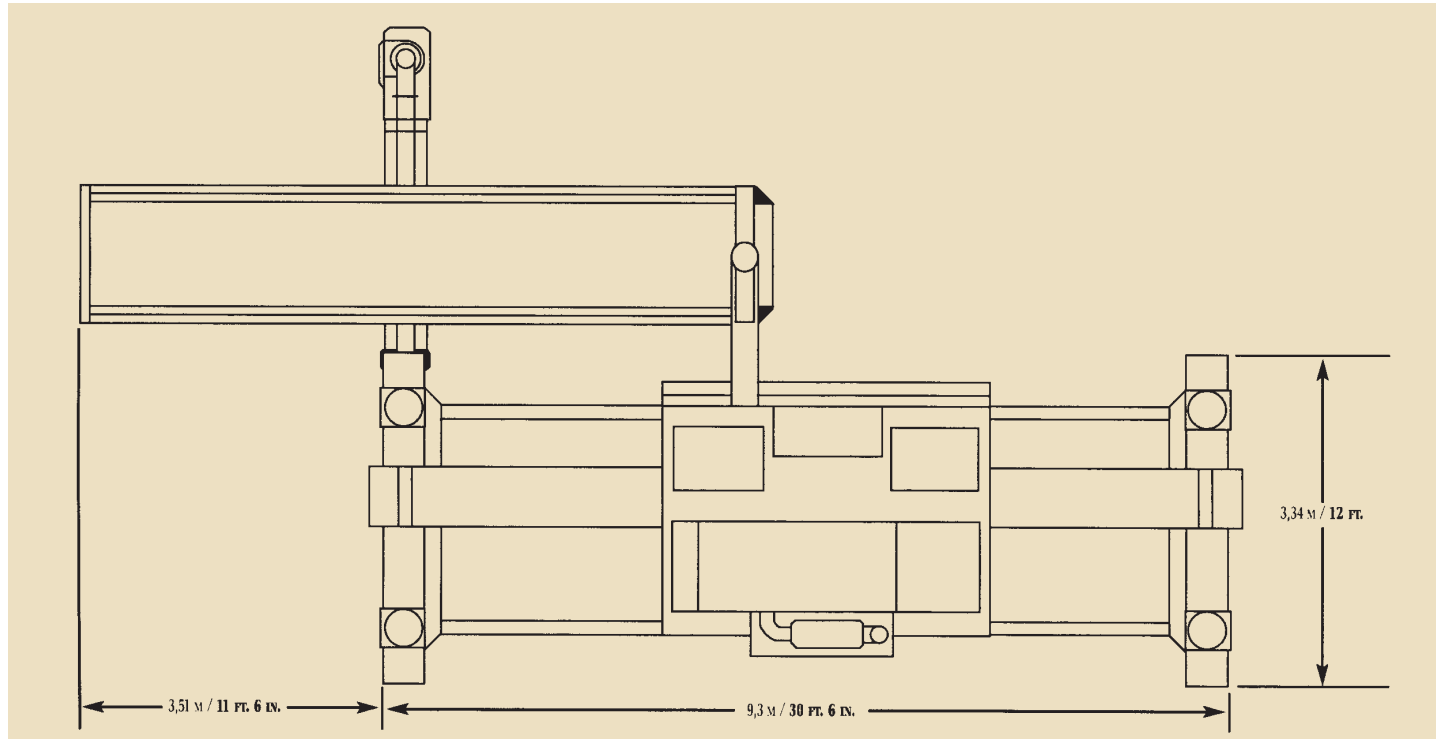


PLACER-SPREADER SPECIFICATIONS*



SERVICE REFILL CAPACITIES

Fuel reservoir	80 gal (302.83 L)
Hydraulic fluid reservoir (main)	75 gal (283.9 L)
Replenishing pre-filter reservoir	10 gal (37.85 L)
Engine oil	8 gal (30.2 L)
Cooling system	3.5 gal (13.2 L)
Water spray system	125 gal (473.17 L)

DIMENSIONS

Height (min/max)	9 ft 10 in–11 ft 11 in (3–3.63 m)
Spreading width	Standard: 12 ft–24 ft (3.66–7.32 m) Optional: up to 36 ft (10.97 m)
Overall width (conveyor extended)	44 ft 5 in (13.54 m)
Shipping length at 24-ft spreading width	30 ft (9.14 m)
Shipping width	12 ft (3.66 m)
Weight (with conveyor)	71,500 lb (32,431.25 kg)
Weight (without conveyor)	56,600 lb (25,672.85 kg)

* Special options available on request. Specifications subject to change without notice.

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Two-Track Concrete Placer-Spreader | PS3502 Specifications

ROADBUILDING



PS3502

TWO-TRACK CONCRETE PLACER-SPREADER

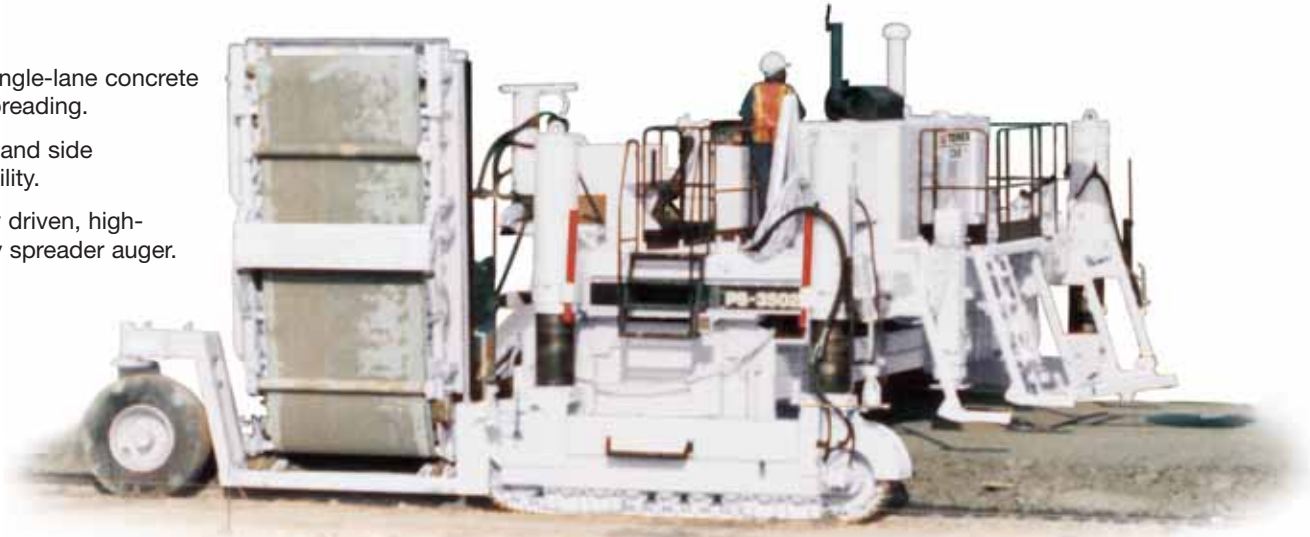
PS3502

TWO-TRACK CONCRETE PLACER-SPREADER

PS3502

FEATURES

- ▶ Dual-lane or single-lane concrete placing and spreading.
- ▶ Right- or left-hand side delivery capability.
- ▶ Hydrostatically driven, high-capacity rotary spreader auger.



STANDARD FEATURES—TRACTOR*

CATERPILLAR® ENGINE

Caterpillar Tier II Stage 2 3126B DIT-ATAAC Turbo diesel engine. Gross power at 2,100 rpm, 250 hp (187.5 kW)¹. 6-cylinder, 4-stroke diesel engine, 4.33-in (110-mm) bore, 5-in (127-mm) stroke and 441.78-in³ (17.24-L) displacement. Air cleaner, dual-stage dry-type, with service indicator. 24-volt starting system. 50-amp charging alternator.

HYDRAULIC POWER SUPPLY

Pump-drive gearbox is engine-flywheel-mounted, with pumps flange-mounted and spline-shaft-engaged. Three each, tandem-stacked pump arrangements. One open-loop, pressure-compensated L-38 dedicated control-circuit pump.



HYDRAULIC DRIVE SYSTEM

Dual-range propelling system with variable hydrostatic drives for both forward and reverse. Deep-reduction planetaries provide smooth, constant travel at low speeds. Spreading speed range variable to 50 fpm (15.23 mpm); travel speed range variable to 95 fpm (28.96 mpm).

HYDRAULIC FLUID

75-gal (283.9-L) main hydraulic reservoir with visual fluid-level indicator.

UNDERCARRIAGE

Two-track system: each track is 12-ft (3.66-m)-long with 14-in (356-mm)-wide triple-grouser street shoes, D4-sized track components. Leg elevation maximum 30 in (76.2 cm).

STEERING

Operator selection for automatic or manual mode. Right-hand or left-hand stringline steering control mountings. Calibrated-scale screw-type hardware for adjusting sensor position and fine-tuning alignment. Counter-rotation of tractor possible in manual mode. One steering control sensor.

ELEVATION

Operator selection for automatic or manual mode. Four elevation control sensors with extendible mounting arms. Calibrated-scale screw-type adjusting hardware for sensors. Standard control-system arrangement includes equipment for four-point control (dual stringline) or lock-to-grade for automatic reference control of elevation.

STANDARD FEATURES—TRACTOR (continued)*

MAINFRAME

Tubular-beam telescoping mainframe is hydraulically adjustable up to 8 ft (2.44 m), providing spreading widths from 12 ft to 20 ft (3.66 m to 6.1 m). A 6-ft (1.83-m) bolt-in section provided as standard equipment allows a tractor spreading width of up to 26 ft (7.32 m). Optional extensions may be installed to increase spreading widths to 36 ft (10.97 m).

STANDARD FEATURES—SPREADER KIT*

SUBFRAME

Independent heavy-duty subframe supports spreading components and provides alternate positioning under tractor mainframe. Hydraulic system includes quick-disconnect couplers and electrical cables equipped with cannon-type plug connectors for fast disassembly/reassembly.

RECEIVING HOPPER/BELT CONVEYOR

10-ft 6-in (3.2-m)-wide receiving hopper with truck-wheel idler rollers.

Heavy-duty 60-in (1.52-m)-wide folding conveyor, capable of transporting material at 0–450 fpm (0–13.72 mpm) from end-dump trucks at the left- or right-hand side alternate mounting position.

SPREADER AUGER

24-in (609.6-mm) diameter, 1-in (25.4-mm)-thick flighted by 18-in (457.2-mm) pitch auger with bolt-in flighting sections for width changes. Right and left augers are independently driven by fixed-displacement axial-piston hydraulic motors through high-torque planetary reduction, roller chain drives, 0–36 rpm.

STRIKE-OFF

Sectionalized moldboard and subframe for width adjustment. Powered tangent (rooftop) crowning is standard-width configuration. Powered vertical sideforms operated from either the operator's console or by remote control from ground level.

OPERATOR CONTROLS

Center-mounted control panel in recessed, lockable console. Controls are sectionalized by job function with mode indicator lights.

Roll-top cover for vandalism protection.

WATER SYSTEM

High-pressure system for machine washdown. Hydraulically driven pump delivers 800-psi (5,512-kPa) water for cleanup and utility use. Onboard water storage capacity is 125 gal (473 L). Includes high-pressure hose and spray nozzle.

TRACTOR CONTROLS

Keyed switch for ignition
 Engine start button
 Automatic/manual operation-mode indicator lights
 Master speed selector
 Neutral-position starting interlock
 Keyed lock-out for electrical system
 Hydraulic frame-extension switch
 Travel-and-stop switch for spreading operation

STEERING AND ELEVATION CONTROLS

Dual-lever control for steering and direction
 Automatic/manual elevation and steering control selector switches
 Manual elevation control switch for each leg
 4-corner (dual stringline) selector

CONVEYOR CONTROLS

Hopper raise/lower selector control
 Conveyor-belt start-up control
 Variable-speed control for conveyor-belt drive
 Discharge deflector in/out selection control
 Hydraulic belt tensioner

SPREADING CONTROLS

Spreading auger direction and speed control levers
 Auger on/off automatic mode selector
 Crowning raise/lower selector control
 Right- and left-side sideform raise/lower selection control

OPTIONAL EQUIPMENT

Extensions for spreading up to 36 ft (11 m)
 Delivery conveyor extension group
 Telescoping rear workbridge
 Special application vibrator system

* Special options available on request. Specifications subject to change without notice.

¹ (Kilowatt [kW] is the International System of Units equivalent to horsepower) Gross horsepower based on SAEJ1349 standard conditions, 77°F (25°C) and 29.61 in Hg (100 kPa) using 35 API gravity fuel, engine rated up to 5,000 ft (1,524 m) altitude.