

Ferguson

SP-1130

30 TON SELF PROPELLED PNEUMATIC ROLLER
WITH HYDROSTATIC DRIVE



Designed For The Highest Wheel Load And Pressure Requirements

Individual Wheel Loads Up To 5,700 Pounds (2 585 Kg)
Ground Pressures Up To 95 Pounds Per Sq. Inch (6,6 Kg)

- Hydrostatic drive allows new or inexperienced operators to achieve superior results every time.
- Three separate brake systems consisting of automatic hydrodynamic braking, hydraulic self-adjusting brakes on all four drive wheels and hand operated parking brake on drive line.
- Ease of operation assured by single lever control of forward and reverse speeds from 7 to 17 m.p.h. (27,4 km/hr), two adjustable contoured seats, swing-over steering wheel which is adjustable to most comfortable height and unobstructed visibility.
- Unit provides high wheel loads and ground contact pressures which meet specified compaction conditions.
- Rear mounted engine design provides unequalled operator visibility, quick access to all drive components for easy servicing and equal wheel loads.
- Standard equipment includes Detroit Diesel 3-53T diesel engine, hydrostatic drive, no-spin differential, planetary final drives, 16 ply tires and antivandalism package.
- All eleven wheels oscillate and provide a full 96" (2 438 mm) rolling width.
- Optional gravity or pressure sprinkler systems include 225 gal. (851,6 lit) rust-proofed water tank.

FERGUSON MODEL SP-1130 SELF PROPELLED PNEUMATIC ROLLER

SPECIFICATIONS	U.S. System	Metric System
Length, Overall	188"	4 775 mm
Body Width	96"	2 438 mm
Height, Top of Hood	106"	2 692 mm
Height with ROPS	146"	3 708 mm
Wheel Base	148"	3 759 mm
Ground Clearance	12"	305 mm
Turning Radius	21'6"	6 553 mm
Rolling and Overall Width	96"	2 438 mm
Ballast Capacity	320 Cu. Ft.	9,1 m ³
Wheels, Front	5	5
Wheels, Rear	6	6
Tire Overlap	1"	25 mm
Tire Size, 9:00 x 20	16 Ply	16 Ply
All Wheel Oscillation	Standard	Standard
Weight, Empty	22,800 Lbs.	10 342 Kg
Weight w/Water Ballast	42,750 Lbs.	19 391 Kg
Weight w/Wet Sand Ballast	62,800 Lbs.	28 486 Kg

ENGINE AND DRIVE:

Engine Make and Model	GM3-53T	GM3-53T
Type of Fuel	Diesel	Diesel
Number of Cylinders	3	3
Displacement	159 cu in	2.61 liter
*Horsepower @ 2500 rpm	114	85 Kw
Cooling Capacity	25 Qts.	24 liter
Electric System	12 Volt	12 Volt
Fuel Tank Capacity	52 Gals.	197 liter
Type of Drive	Hydrostatic	Hydrostatic
	Planetary,	Planetary,
Drive Axle	No-Spin	No-Spin
Final Drive, Adjustable	Chain	Chain
Rolling Speeds	0-17 MPH	0-27 Km/hr
Brakes, Self-Adjusting		
All 4 Drive Wheels	Hydraulic	Hydraulic
Steering, Power-Orbitrol		
w/Adjustable Wheel	Hydraulic	Hydraulic

STANDARD EQUIPMENT

G.M. 3-53T engine; hydrostatic drive, 4-speed gear box; no-spin differential; planetary and chain final drive; self-adjusting hydraulic wheel brakes; hand operated parking brake; dual steering with 2 adjustable seats; horn; lockable instrument panel, engine side panels, equal wheel load adjuster; 16-ply tires; starter; 42 amp alternator; 205 amp battery; ammeter, water temperature, oil pressure, tachometer, hour meter and electric fuel gauges; painted highway yellow. Safety interlock allowing engine starting in neutral only.

OPTIONAL EXTRAS

	U.S. System	Metric System
Sprinkling System, Gravity feed w/Cocoa Mats and 225-Gal (852 Lit) Rust Proofed Water Tank	Add 600 Lbs.	272 Kg
Sprinkling System, Pressure feed w/225-Gal (852 Lit) Rust Proofed Water Tank, Without Cocoa Mats	Add 500 Lbs.	227 Kg
With Cocoa Mats	Add 620 Lbs.	281 Kg
Nylon Tire Scrapers, Spring Loaded	Add 85 Lbs.	39 Kg
Ballast Compartment Covers	Add 250 Lbs.	113 Kg
Baffles and Gasketed Covers for Water Ballast	Add 450 Lbs.	204 Kg
Sealed Beam Lights 2 Front, 2 Rear	Add 25 Lbs.	11 Kg
Directional and Flasher Lights 2 Front, 2 Rear	Add 20 Lbs.	9 Kg
ROPS	Add 1500 Lbs.	680 Kg

**Horsepower shown in intermittent rating (not maximum) derated for engine accessories.

BALLAST DATA

Ballast Condition	Roller Weight	Individual Wheel Load	Maximum Pressure Per Unit Of Tire Contact Width*	Maximum Ground Contact Pressure
Empty	22,800 lbs.	2,073 lbs.	408 lbs./in.	76 p.s.i.
Water Ballast (optional)	42,750 lbs.	3,886 lbs.	595 lbs./in.	87 p.s.i.
Wet Sand Ballast	62,800 lbs.	5,709 lbs.	747 lbs./in.	95 p.s.i.

PRESSURE DATA

9:00 x 20—16 Ply Smooth Wide Tread Compactor Tire

TIRE INFLATION PRESSURES

PSI	35	50	75	90	105	120
-----	----	----	----	----	-----	-----

WHEEL LOAD

GROUND CONTACT PRESSURES

2,000 LBS. psi	40	47	57	64	69	75
3,000 LBS. psi	46	53	63	70	76	82
4,000 LBS. psi	50	57	68	75	81	88
5,000 LBS. psi	54	61	72	78	85	93
6,000 LBS. psi	57	65	75	82	89	96