



Designed For A Wide Range Of Specifications

Choice Of Water, Sand Or Sand And Additional Metal Ballast Results In:

Individual Wheel Loads In Excess Of 3200 lbs. (1,451 Kg)
Contact Width Pressures In Excess Of 530 lbs./in. (94,6 Kg/cm)
Max. Ground Pressures In Excess Of 95 psi (6,6 Kg/cm²)

- Hydrostatic drive allows new or inexperienced operators to achieve superior results. No-spin differential and final drive planetaries are standard.
- May be ordered for water or sand ballast. All components sized to allow use of 4000 lbs. (1 814 Kg) of additional metal ballast when needed for higher specifications.
- All wheels oscillate to follow uneven group contours and provide uniform densities.
- Service brakes on all four drive wheels are hydraulic and self-adjusting. Hand operated mechanical parking brake on drive line.
- Single lever controls direction and speed from 0 to 18 m.p.h. (0-29 Km/hr).
- Operator convenience and comfort assured by adjustable cushioned seat, power steering, steering wheel, clear visibility and single lever control.
- Rolling width is same as body width to allow close rolling edges and obstructions.
- Anti-vandalism locking instrument panel cover is standard.
- Optional sprinklers for asphalt rolling may be gravity or pressure systems with one 100 gallon water tank made of heavy wall polyethylene.
- Optional 10, 12 or 14 ply tires and choice of gasoline or diesel engine.

	U.S.	Metric
Length Overall	160 1/2"	4077 mm
Body width	83"	2108 mm
Height, Top of Body	52 1/4"	1327 mm
Height, Top of Steering		
Wheel	90 1/4"	2292 mm
Height, Top of Hood	81 3/4"	2076 mm
Wheel Base	130"	3302 mm
Ground Clearance	11"	279 mm
Turning Radius	20'	6096 mm
Rolling & Overall Width	84"	2108 mm
Ballast Capacity	170 Cu. Ft.	4.8 m ³
Wheels, Front	5	5
Wheels, Rear	6	6
All Wheel Oscillation	Standard	Standard
Tire Size, 7:50 x 15	6 Ply	6 Ply
Tire Overlap	1/2"	12.7 mm
Weight, Empty	11212 lbs.	5085 Kg
Weight, with Water Ballast	21820 lbs.	9896 Kg
Weight, with Sand Ballast	32462 lbs.	14722 Kg
Weight, with Sand & 4000 lb. Metal Ballast	36102 lbs.	16373 Kg

STANDARD EQUIPMENT:

Hydrostatic Drive
John Deere No-Spin Differential

POWER UNITS:

Engine Make (Optional)	John Deere
Engine Model (Diesel)	4045DL
Number of cylinders	4
Displacement	276 cu. in.
Bore	3.9 in.
Stroke	5.00 in.
Horsepower	80 @ 2500 RPM
Cooling System Capacity	20 quarts
Ignition System	12 Volt
Battery	160 amp. hour
Alternator	65 amp.
Engine Oil Filter	Full Flow

The FERGUSON Model SP-1118 Self-Propelled Pneumatic Roller offers the production capacity of many larger and more expensive rollers, yet incorporates sound engineering and construction for long life and minimum maintenance.

A full 84" (2134 mm) rolling width, wheel loads of 3200 lbs. (1452 Kg) and ground pressures in excess of 95 p.s.i. (6, 7 Kg/cm²) offer the ability to meet most specifications with an economically priced roller.

BALLAST DATA

Ballast Condition	Weight	Individual Wheel Load	Pressure Per Unit Of Tire Contact Width*	Ground Contact Pressure
Empty	11212 lbs. 5085 Kg	1019 lbs. 462 Kg		
Water Ballast	21820 lbs. 9896 Kg	1984 lbs. 900 Kg	381 lbs./in. 68 Kg/cm	85 p.s.i. 6,0 Kg/cm ²
Wet Sand Ballast	32462 lbs. 14722 Kg	2951 lbs. 1338 Kg	497 lbs./in. 89 Kg/cm	93 p.s.i. 6,5 Kg/cm ²
Wet Sand and 4000 lbs. (1814 Kg) Additional Metal Ballast	36102 lbs. 16373 Kg	3282 lbs. 1488 Kg	534 lbs./in. 95 Kg/cm	96 p.s.i. 6,7 Kg/cm ²

*With 14 ply tires inflated to 130 p.s.i.

TIRE DATA

7:50 x 15 Smooth Wide Tread Compactor Tires Calculated From Data Supplied By Tire Manufacturers

TIRE PLY	6 Ply				10 Ply				12 Ply				14 Ply						
TIRE CAPACITY - LBS.	3740				5130				5770				6360						
Kg	1696				2327				2617				2885						
TIRE PRESSURE - p.s.i.	35	50	60	50	60	70	90	50	60	70	90	110	50	60	70	90	110	120	130
Kg/cm ²	2,5	3,5	4,2	3,5	4,2	4,9	6,3	3,5	4,2	4,9	6,3	7,7	3,5	4,2	4,9	6,3	7,7	8,4	9,1

WHEEL LOAD	GCP-Ground Contact Pressure																		
1000 GCP-p.s.i.	37	44	49	44	47	51	57	44	47	51	60	65	50	54	56	61	68	71	74
2000 GCP-p.s.i.	43	50	55	52	56	60	57	53	56	60	69	75	59	62	65	72	78	82	86
2500 GCP-p.s.i.	45	52	58	56	59	64	71	57	60	65	74	78	63	66	70	76	83	87	90
3000 GCP-p.s.i.	47	55	61	60	65	67	75	60	64	69	77	83	66	70	73	80	87	91	94
3500 GCP-p.s.i.		57	63	62	67	71	80	64	67	71	81	86	68	73	76	83	90	94	98

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