



A Leader in its Class

The **Ferguson 8-12B/10-14B** Rollers were designed with you in mind to meet all safety requirements, all bid specifications and to perform all job functions required of a roller in its size. The Rollers were also designed to achieve better production, reliability and operator efficiency.

The **Ferguson 8-12B/10-14B** Rollers will handle a wide range of compaction requirements for sub-base, base and asphaltic concrete materials. These new units offer the same wide application versatility associated with all **Ferguson** compaction equipment. They are ideal for residential and mainline roadway construction and rehabilitation, airport runways, building sites and parking/storage facilities.

FEATURES

- Hydrostatic Drive
- Power Hydraulic Steering
- Optimum operator visibility
- Functional control placement
- Reduced Maintenance
- Neutral Safety Switch
- Low Center of Gravity
- Total compliance with OSHA requirements

POWER TRAIN

Diesel Engines

Hydrostatic Pump

Double reduction planetary final drive, running in oil w/spring actuated failsafe brake.

ADVANCED BRAKING SYSTEMS

Service braking is accomplished with the closed-loop hydrostatic drive system. This hydrodynamic braking provides smoother stopping action for smoother asphalt mats. Also included is a spring applied, hydraulically released disc parking/emergency brake which engages automatically if the engine or hydrostatic system fails, if the engine is shut down or if the brake valve is actuated.

STATE OF THE ART SPRINKLER SYSTEM

The pressure sprinkler system completely rust proofed features a 170 gallon (643 liter) tank molded from heavy wall polyethylene with a submerged electric pump and PVC spray bars. The pump has a permanently lubricated motor inside a hermetically sealed housing. The water tank is situated low within the frame which ensures a low center of gravity and a lower profile for maximum operator visibility.

SIMPLIFIED MAINTENANCE

All service for the 8-12B/10-14B is performed from ground level. There are only 7 grease fittings with 40 hour service intervals.



MODELS 8-12B/10-14B

8-12B (8-12 TON) TANDEM STATIC ROLLERS

10-14B (10-14 TON) TANDEM STATIC ROLLERS

DIMENSIONS	8-12B	8-12B	10-14B	10-14B
	U.S.	METRIC	U.S.	METRIC
Length, overall	204 1/4"	5 188mm	208 3/4"	5 302mm
Width, overall	66"	1 676mm	66"	1 676mm
Height, overall	79"	2 006mm	79"	2 006mm
Height, overall w/ROPS	109 1/4"	2 775mm	109 1/4"	2 775mm
Wheel Base	143"	3 632mm	143"	3 632mm
Rolling Width	54"	1 372mm	54"	1 372mm
Ground Clearance	14"	356mm	14"	356mm
Curb Clearance	15 1/2"	394mm	15 1/2"	394mm
Turning Radius (inside)	116"	2 946mm	116"	2 946mm
Compression Roll				
Diameter	60"	1 524mm	60"	1 524mm
Width	54"	1 372mm	54"	1 372mm
Guide Roll (2 sections)				
Diameter	48"	1 219mm	48"	1 219mm
Width	54"	1 372mm	54"	1 372mm
WEIGHTS				
Shipping	17,108#	7 760kg	20,298#	9 207kg
Operating				
Without Ballast	18,329#	8 414kg	21,519#	9 761kg
With Water Ballast	25,191#	11,427#	28,381#	12 874kg
Compression Roll				
Without Ballast	11,469#	5 202kg	14,782#	6 705kg
With Water Ballast	15,498#	7 030kg	18,811#	8 533kg
Guide Roll				
Without Ballast	6,860#	3 112kg	6,737#	3 056kg
With Water Ballast	9,693#	4 397kg	9,570#	4 341kg
PRESSURES	lbs. per lin. in.	kg per cm	lbs. per lin. in.	kg per cm
Compression Roll				
Without Ballast	212	37.9	274	48.9
With Water Ballast	287	51.3	348	62.2
Guide Roll:				
Without Ballast	127	22.7	125	22.3
With Water Ballast	180	32.0	177	31.6
DRIVE:				
Engine Make	John Deere			
Engine Model (Diesel)	JD4239DL			
Number of cylinders	4			
Displacement	239 cu. in.			
Bore	4.19"			
Stroke	4.33"			
Horsepower	80 @ 2500 RPM			
Hydrostatic pump	Sundstrand			
Hydrostatic motor	Sundstrand			
Fuel Tank Capacity	24 gallon			
Cooling System Capacity	26.5 quart			
Ignition System	12 volt			
Battery	105 amp hour			
Alternator	65 amp			
Air cleaner	2 stage dry w/aspirator			
Engine Oil Filter	full flow			
Hydrostatic Filter	10 micron			
Rolling Speeds, MPH @ 2600 RPM	0-9 MPH			

SPRINKLER SYSTEM

Type	Pressure Spray
Water Tank	170 gallon (643 liters) - Molded from heavy wall polyethylene
Cocoa mats	One on each roll
Drum scrapers	Front & Rear of each roll - Spring loaded

STANDARD EQUIPMENT

Horn, lockable instrument panel with gauges for: engine temperature, engine oil pressure, fuel, hourmeter, ammeter, hydrostatic drive, hydraulic steering, pressure sprinkler system, cocoa mats and scrapers, hydrodynamic service brakes, automatic emergency and parking brake, towing release, Ferguson non lead paint.

GENERAL

Frame, welded	Plate & structural
Steering w/steering wheel	Constant speed hydraulic w/emergency manual control
Brakes	Hydrodynamic service brakes
	Automatic disc type parking and emergency brakes

OPTIONAL EQUIPMENT

Roll Over Protective System (ROPS) with seat belt
Electric Lights (2 front - 2 rear)
Power Driven 55GPM Water Pump & Hose (for filling water tank)
Canopy Top
Canvas Umbrella
Compression Drum 60"
Guide Rolls 60"

Ferguson