

Ferguson

MODELS 46A/35A

46A (4-6 TON) PORTABLE TANDEM STATIC ROLLERS

35A (3-6 TON) TANDEM STATIC ROLLERS



A Leader in its Class

The **Ferguson** 46A/35A 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.

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 (See Specifications)

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 100 gallon (279 liter) tank 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 46A and 35A is performed from ground level. There are only 9 grease fittings with 40 hour service intervals.



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DIMENSIONS	46A	46A	35A	35A
	U.S.	METRIC	U.S.	METRIC
Length, overall	174½"	4 432mm	165"	4 191mm
Width, overall	83¾"	2 127mm	52¾"	1 340mm
Width, overall w/electric Brakes	89¾"	2 280mm		
Width, overall*	69¾"	1 772mm		
Height, overall	69"	1 753mm	69"	1 753mm
Height, overall w/ROPS	99"	2 515mm	99"	2 515mm
Wheel Base	118¼"	3 004mm	118¼"	3 004mm
Rolling Width	42"	1 067mm	42"	1 067mm
Turning Radius (Inside)	154"	3 912mm	154"	3 912mm
Ground Clearance, rolling	11½"	292.1mm	15½"	394mm
Ground Clearance, towed	11"	279.4mm		
Side Clearance			5¾"	136.5mm
Side Clearance*	13¾"	352.4mm		
Guide Roll (2 sections) Diameter & Width	36" x 40"	914mm x 1 016mm	36" x 40"	914mm x 1 016mm
Compression Roll Diameter & Width	48" x 42"	1 219mm x 1 067mm	48" x 42"	1 219mm x 1 067mm

* (46A with wheel & stub axles removed)

WEIGHTS	46A	35A	35A	
Empty (shipping wt.) lbs.	9505	4 311kg	8330	3 778kg
Ballasted, with water lbs.	13255	6 012kg	12080	5 479kg
On Guide Roll:				
empty, lbs.	3489	1 583kg	3160	1 433kg
w/water, lbs.	5049	2 290kg	4720	2 141kg
On Compression Roll:				
empty, lbs.	6016	2 729kg	5170	2 345kg
w/water, lbs.	8206	3 722kg	7360	3 338kg

PRESSURES	46A	35A	35A	
On Guide Roll:				
empty, lbs. per lineal inch	87	15.6kg/cm	79	14.1kg/cm
w/water, lbs. per lineal inch	126	22.5kg/cm	118	21.1kg/cm
On Compression Roll:				
empty, lbs. per lineal inch	143	25.6kg/cm	123	22.0kg/cm
w/water, lbs. per lineal inch	195	34.9kg/cm	175	31.3kg/cm

DRIVE	46A	35A	35A
Engine Make (Optional)	John Deere	YANMAR	YANMAR
Engine Type & Model (Optional)	Diesel 4024T	4TNE84T	4TNE84T
Number of cylinders	4	4	4
Displacement cu. in.	149 CID	121.7 CID	121.7 CID
Bore	3.39	3.31	3.31
Stroke	4.13	3.54	3.54
Horsepower @ 2200 RPM	49	58	58
Hydrostatic pump	Sundstrand	Sundstrand	Sundstrand
Hydrostatic Motor	Sundstrand	Sundstrand	Sundstrand
Fuel Tank Capacity, gal.	18	18	18
Cooling System Capacity, qts.	15	15	15
Ignition System	12 volt	12 volt	12 volt
Battery	70 amp hour	105 amp hour	105 amp hour
Alternator	42 amp	42 amp	42 amp
Air cleaner	dry type	dry type	dry type
Engine oil filter	full flow	full flow	full flow
Hydrostatic filter	10 micron	10 micron	10 micron
Rolling speeds, mph @ 2750 RPM	0-10	0-10	0-10

SPRINKLER SYSTEM	46A	35A
Type	Pressure Spray	Pressure Spray
Water Tank	100 gallon (279 liters)	100 gallon (279 liters)
Cocoa mats	One on each roll	One on each roll
Drum Scrapers	Front & Rear of each roll-spring loaded	Front & Rear of each roll-spring loaded

GENERAL	46A	35A
Frame, welded	Plate & structural	Plate & structural
Steering w/steering wheel	Constant speed hydraulic emergency manual control	Constant speed hydraulic emergency manual control
Brakes	Hydrodynamic service brakes	Hydrodynamic service brakes
	Automatic disc type parking and emergency brakes direct to the drum	Automatic disc type parking and emergency brakes direct to the drum

STANDARD EQUIPMENT
42 amp alternator, 70 amp hour battery, ammeter, engine oil pressure and water temperature gauges, horn, anti-vandalism package, pressure sprinkler system, two seats, steering wheel, hydrostatic oil temperature and electric fuel gauge, electric hour meter, automatic parking and emergency brake.

PORTABLE SYSTEM (MODEL 46A)
Type—Engine powered hydraulic
Wheels with stub axles (removable)—Heavy duty disc
Tires—10:00 x 20 load range F, 12 ply rating
Tongue—Raised and lowered hydraulically
Towing safety chain—Standard

TOWING SPEED	46A	35A
w/o electric Brakes	Unballasted—25 mph	Unballasted—25 mph
Ballasted—15 mph	Ballasted—15 mph	Ballasted—15 mph
w/with electric Brakes	Unballasted—35 mph	Unballasted—35 mph
Ballasted—25 mph	Ballasted—25 mph	Ballasted—25 mph

OPTIONAL EQUIPMENT
Electric Lights (2 front—2 rear)
Electric combination stop & tail lights and turn indicator lights (2 of each on rear)
Electric wheel brakes (Model 46A with automatic break-a-way switch (includes controls for operating brakes from truck cab))
Single-Post open type ROPS with seat belts.

Distributed By:



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