

DD-10S / DD-10ST Asphalt Compactors



One-Ton Tough

Compact size, solid construction, the industry's best drum performance and a rugged 20-hp Honda engine provide maneuverability and reliability on every job, making the DD-10S and DD-10ST the toughest, most productive one-ton rollers on the market.

Productivity

A 45-gallon water tank for extended operating intervals, a pressurized water system for reliable drum lubrication in every application, a propulsion system with optimized travel speeds for efficient maneuvering and a 3400-vpm vibrating frequency for faster compaction speeds (DD-10S only) allow these rollers to maximize productivity on every job.

Density

With ideal operating weights, the DD-10S and DD-10ST provide operators the ability to achieve desired density in the fewest number of roller passes. The highest centrifugal force in its class allows the DD-10S to deliver the energy when and where it is needed to insure every project is completed to specification.

Smoothness

The rollers' split-front drum reduces drum-to-material friction for superior finishes, while the DD-10S vibrating frequency enables proper impact spacing to generate the smoothest, highest-quality asphalt mats.

DD-10S / DD-10ST

Specifications

DD-10S PERFORMANCE FEATURES

- Industry-Leading Centrifugal Force.
4,000 lb (17.8 kg)
- Optimal Vibration Frequency.
The DD-10S has a vibration frequency that enables optimal impact spacing at higher speeds to generate smooth, high-quality pavement.

DD-10S AND DD-10ST FEATURES

- Only rollers in their class powered by a rugged 20-hp (14.9 kW) Honda gasoline engine that provides easy starting, ultra quiet operation and superb reliability.
- Oversized 45-gal (170 L) polyethelene water tank delivers corrosion protection and extended operating intervals between refills.
- Pressurized water system utilizes neoprene wiper blades to distribute water evenly across both drums while compacting on flat or steep grades.
- Split-front drum alleviates drum-to-material frictional overload for superior mat finishes.
- Levers and controls are ergonomically located for operator comfort, simplicity and ease of use.
- Standard safety equipment includes a safety seat switch, Roll Over Protection Structure (ROPS), emergency stop button, seat belt, horn and back-up alarm.

APPLICATIONS

- Driveways
- Golf/Bike/Park Paths
- Landscaping
- Road Maintenance (patch and repair)
- Tennis/Basketball Courts
- Utility Installations

IR MODEL	DD-10S	DD-10ST
MACHINE WEIGHT (WITH ROPS)		
Operating Weight lb (kg)	3,000 (1360)	2,500 (1134)
Static Weight at Front Drum lb (kg)	800 (363)	800 (363)
Static Weight at Rear Drum lb (kg)	2,200 (998)	1,700 (771)
Shipping Weight lb (kg)	2,600 (1179)	2,100 (952)
MACHINE DIMENSIONS		
Overall Length in (mm)	84 (2133)	84 (2133)
Overall Width in (mm)	42 (1066)	42 (1066)
Overall Height (top of ROPS) in (mm)	94 (2388)	94 (2388)
Overall Height (top of steering wheel) in (mm)	59 (1498)	59 (1498)
DRUM		
Drum Width in (mm): front / rear	30 (762) / 38 (965)	30 (762) / 38 (965)
Drum Diameter in (mm): front / rear	22 (559) / 25 (635)	22 (559) / 25 (635)
Drum Shell Thickness	0.5 (13)	0.5 (13)
VIBRATION		
Frequency vpm (Hz)	3400 (56.6)	N/A
Centrifugal Force lb (kg)	4,000 (17.8)	N/A
Nominal Amplitude in (mm)	0.02 (0.50)	N/A
ENGINE		
Make & Model	Honda GX620	Honda GX620
Rated Power hp (kW)	20.0 (14.9)	20.0 (14.9)
Type	Gasoline 4-cycle	
BRAKES / STEERING		
Service	Hydrostatic to rear drum drive	
Parking / Secondary	Mechanically applied to rear drum	
WATER SYSTEM		
Type	Pressurized	
Flow gpm (L/min)	1.4 (5.3)	1.4 (5.3)
Qty of Nozzles per Drum	4	4
Tank Capacity gal (L)	45 (170)	45 (170)
ELECTRICAL		
Battery	12V, negative ground, 550 CCA	
Alternator	20A	20A
MISCELLANEOUS SPECIFICATIONS		
Fuel Capacity gal (L)	3.0 (11.3)	3.0 (11.3)
Hydraulic Capacity gal (L)	7.0 (26.5)	7.0 (26.5)
Curb Clearance in (mm)	13.5 (344)	15.5 (394)
Side Clearance in (mm)	0.6 (15.9)	0.6 (15.9)
Travel Speed mph (km/h)	0 – 6.0 (0 – 9.7)	0 – 6.0 (0 – 9.7)

