

HDS-1

TOPDRESSER

TOPDRESSER HDS-1 Specifications

Length xWidth xHeight (mm)	2500 x 1600 x 1390	
Dry weight (kg)	760	
Hopper capacity (m ³)	0.4	
Engine	Model/Type	KOHLER PA-CH670/Air cooled,4-cycle
	Max. power output kW (PS)	17.2(23)
	Displacement(cc)	674
	Fuel (l)	Unleaded gasoline(24.0)
Drive system	Traction system	HST
	Ground speeds(km/h)	0-16
	Front Tire	φ 300×150×3 Polyurethane tire
	Rear tires	20×12.00-10 Non-Patterned rubber tire
Hydraulic oil (l)	ISO VG46# (30.0)	
Work	Sand transfer unit	Rough-top conveyor belt
	Sand spreader unit	Double spinner type
	Blade design	Top(8) · Bottom(8)
	Spread width(m)	6.5



A compact precision topdresser



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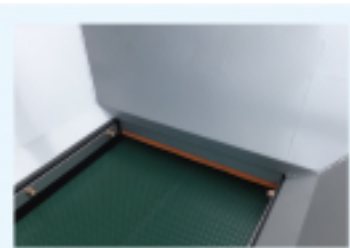
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 **HATSUTA**



Vehicle

The Hatsuta HDS-1 spinner top dresser is a 3-wheel design with a compact body that can maneuver easily on a narrow green. With a body length at 2500mm and width at 1600mm, and a turning radius of 2.7m. The front tire is equipped with Hatsuta original polyurethane tire and the rear with non-patterned rubber tires that work easy on the greens. Dry weight ground pressure: Front 0.775 kg/cm² and Rear 0.715 kg/m². Full load ground pressure: Front 1.101 kg/cm² and Rear 1.390 kg/cm².



Rough-top conveyor belt provide smooth sand delivery.



Protected the engine from sand dust by 2-layer air filter.

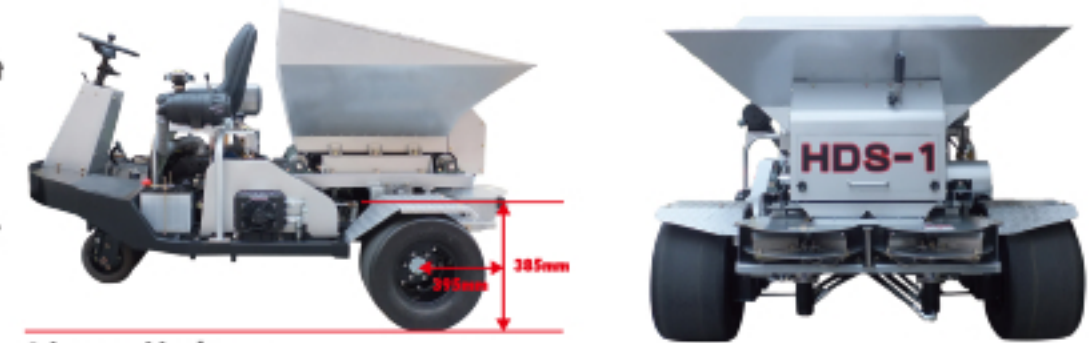
Productivity

With the 6.5m spreading width, It will take a shorter time to complete the even and effective top dressing process.

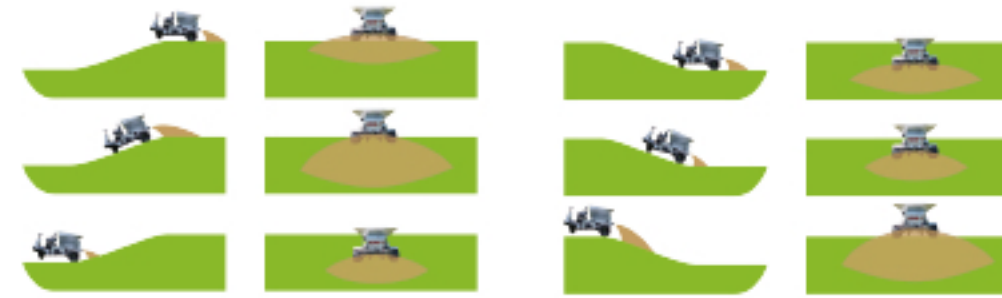


Spinner <Feature-1>

The spinners are positioned at a height of 385mm from the ground and 395mm from the tires. With these positions, the spreading pattern will not change much in undulating areas.



Spinner position lay-out

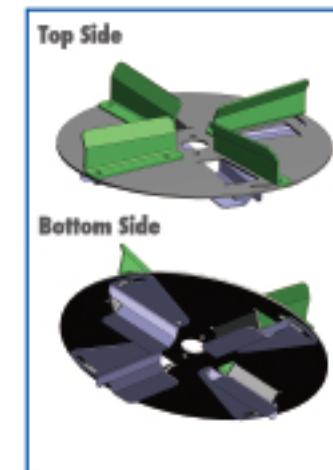


The spreading pattern when the topdressers climb up or down a hill.

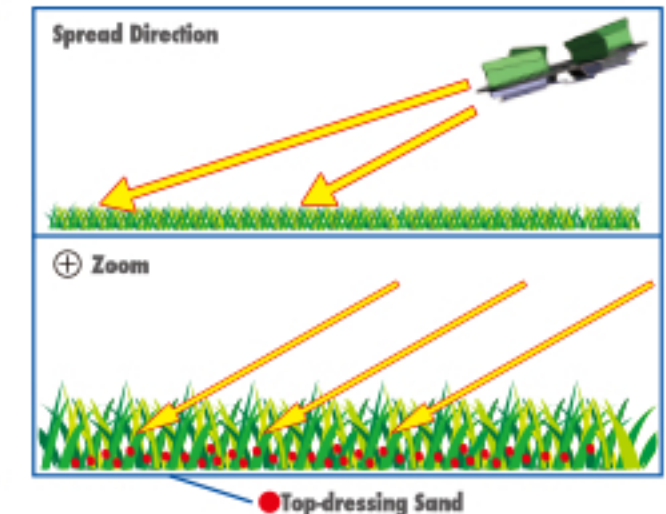


Spinner <Feature-2>

With the design of the spinners, having separate top and bottom blades, the sand will be spread directly between the grains of the turf.



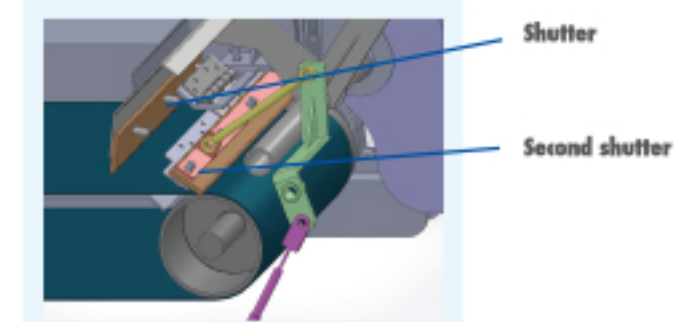
Unique spinner design



Top-dressing Sand

Shutter

A secondary shutter prevents dropping of excessive sand in between spreads and during transportation.



Shutter

Second shutter