

PHOENIX

Phoenix
SPC10e
Self Propelled
Chipping Spreader



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Rear Hopper

3m³ capacity, folding type sides, hydraulically operated.

Conveyor Belts

Twin 450mm wide troughing type. Variable speed with auto/manual control, independent on both sides.

Front Hopper

3m³ capacity. 2.5m closed (travelling) width and fitted with two extending hoppers, both 0.88 mtrs wide to give maximum spreading width of 4.1 mtrs.

Tow Hook

Rubber bush mounted giving vertical and lateral movement. Hook, hydraulically opened by operator, automatic connecting with hydraulic latching.

Spreading Specification

Chipping size (spreading capability) 3-25 mm crushed & screened aggregate.

Chipping application 2.0 – 20.0 kg/m²
(Infinitely adjustable)

Width of spread: Maximum width - 4.1 metres

Using centre section: 0 - 2.35 mtrs
Incremental in sections of 294mm
using operator controlled
pneumatic gates (8 off)

Using extensions: 2.35 - 4.1 metres
Infinitely variable by use of
extending or retracting
the extending hoppers.

Operator Position

Suspension seat for driver with joystick in armrest. Joystick head has primary controls for spreading operation. Right hand console with remaining operator controls. Controlled environment driver's cab with locking barn type doors, and rear view mirrors.



Engine

JCB444TCAE, 4 cylinder, turbo charged, inter-cooled, common rail diesel engine. This engine configuration is specifically designed for this application. Fixed engine speed when operating. High efficiency air filter, with element & safety element, pre-cleaner & blockage indicator. Maximum power 120 kW and maximum torque 650 Nm.

Hydrostatic Drive

Sauer Danfoss hydrostatic pump & motor transmits power from engine to gearbox. Joystick for smooth infinite speed control.

Gearbox/transmission

The unit is equipped with a single ZF two-speed (work/travel) gearbox.

Axles – Front and Rear (4 wheel drive standard)

Both axles are 24 tonne static load capacity JCB units driven by the single heavy duty drive unit, each axle being fitted with a limited slip differential, which ensures constant 4-wheel drive under all conditions. Front axle is centre pivot, hardened & ground solid steel. Hydraulic power steering. Centre differential positioning, driven prop. Shaft fitted with industry standard universal joints

Brakes – Front and Rear

Oil immersed multi disc brakes in front and rear axles, operated by 3 line hydraulic system incorporating advanced hydraulic technology. Calliper disc brake on rear axle, hydraulically released for fail-safe parking/emergency operation.

Fuel Tank

Capacity 250 litres (55 gallons)

Hydraulic Tank & Cooler

250 litres (55 gallons) capacity tank. Oil cooler placed in front of main engine radiator.

Tyres

425 R65 22.5 tubeless tyres, truck pattern.