

## Phoenix SPC11t Self Propelled Chipping Spreader – NEW



**Spreading System & Aggregate Handling** Metered control of aggregate spreading to road surface, at front of machine, by rotating spread rollers. Adjustable feed gates across full width allows for different aggregate sizes and application rates.

Variable spread width system consisting of center spread hopper and two extension spread hoppers (LH & RH). Extension hoppers can be moved during spreading to increase/reduce spread width and overall machine passing width.

Centre hopper spread can be reduced by manual shut-off blades, in steps of 300 mm to zero at any position within center hopper. Rear receiving hopper collects aggregate from tipper truck, funneling onto twin independent conveyor belts for transfer to the front spreading hopper where fixed screens prevent oversized material from entering hoppers. Level control in front hopper will automatically trigger conveyors to refill as aggregate is spread. The machine has a rear towing hook that connects to the truck carrying aggregates and can tow whilst spreading.

### Spread System Specification

Spread width, center hopper	2,425 mm
Extension spread width, per side	900 mm
Max spread width	4,250 mm
Centre hopper, shut-off-blades	300 mm wide x 8 no.
Capacity of front hopper	3 cubic metres / 3,750 kgs
Aggregate size (min to max)	3 mm to 25 mm
Spread rate fully adjustable	2.0 to 20.0 kgs/sqm
Screen size spacing	50 mm

### Aggregate Handling Specification

Conveyor width	Twin 500 mm wide
Conveyor form	Flat belt with 40 mm high x 30 mm wide sidewall profiles
Rear receiving hopper capacity	3 cubic metres / 3,750 kgs

### Tow Hook

Full floating in vertical and lateral directions with shock absorbing mount.  
Automatic latching to truck with hydraulic release from operator's position.

## **Power Unit**

Self-propelled unit capable of towing trucks up to 35 tonnes GVW and operating on steep inclines. Transmission through hydrostatic drive giving smooth fully variable ground speed control to both front and rear axles. Steering through front axle. Speed ranges for working and travel. Independent brakes on all wheels with separate park brake. Operator position at front of machine giving full view over spreading system and aggregate transfer.

## **Power Unit**

JCB Dieselmex turbo intercooled diesel engine.  
4 cylinder, 4.44 litre capacity.  
Rated at 90 kW output at 2,200 rpm. Max torque 520 Nm at 1300 rpm.  
EU Stage 2 / EPA Tier 2 emission compliant.  
High efficiency air cleaner with exhaust scavenging.  
24 vdc electrical system with twin 12v batteries and isolator.  
200 litre diesel fuel tank with twin fuel filters.

## **Transmission (4-wheel drive standard)**

Hydrostatic drive by engine mounted high pressure pump through to transmission motor mounted in frame. Motor drive front and rear prop shaft to each axle.  
JCB front and rear axles with 'maxitrac' limited slip differentials and in-board brakes.

## **Steering**

Hydraulic steering to front axle.  
High steering angle to allow for maneuverability.

## **Brakes**

Wet multi-pack brakes on all four wheels, hydraulically operated by foot pedal.  
Calliper type park brake on rear axle, cable operated.

## **Hydraulic System**

300 litre capacity hydraulic tank with return filter.  
Large capacity oil cooler mounted on front of engine.

## **Operator's Position**

All controls grouped around operator's seat to allow one man operation.  
Joystick control for machine forward/reverse movement and front instrument/switch panel containing engine, lighting and spreading start/stop controls.  
Engine controls and gauges for tacho/hour meter and water temperature with additional warning lights.  
Side consoles with controls for operating spreader.  
Fully adjustable suspension operator's seat covered by protective canopy with rear mirrors.  
Reversing alarm and road lighting.

## **Frame & Wheels**

Heavy duty pressed frame of 10 mm thick steel plate.  
Engine and hydraulic pumps mounted on rubber vibration absorbing mounts.  
Axles bolted into frame with front axle on centre pivot to allow oscillation.  
Wheel rims are 22.5" single piece with 425x65R22.5 tyres all round.

## **Performance, Weights and Dimensions**

Speed - Spreading speed, infinitely variable	0 to 6 kph
Travel mode speed, max	12 kph

## **Gradeability**

Spreading, not towing	20%
Spreading & towing truck	10%

## **Weights**

Weight, tare	8,500 kgs
Weight, gross	16,000 kgs

## **Dimensions**

Length	8,000 mm
Width, closed for travel	2,600 mm
Width, fully open for spreading	4,275 mm
Height	2,510 mm
Height with canopy	3,250 mm