

SMC-5500 Slipform Paver



SMC-5500 concrete slipform paver is a kind of multi-purpose cement concrete construction equipment independently researched and developed by our company. It is widely used in the construction fields of curb&gutter, barrier, cable trough, agricultural irrigation canal and so on. It will replace the traditional technology and greatly improve the construction quality and speed of the above cement concrete structures.

The machine is a full hydraulic drive slipform paver with three crawler walking device. It has large power reserve and can be used to pave large scale structures. It is equipped with automatic steering and automatic leveling control systems. So it can finish excellent paving to your satisfaction.

Functional Advantages



► Flexible crawler post position

The crawler column is arranged in the first two and the second one. The two front crawler columns can be rotated with swing arms, or can be mechanically widened to achieve bias, and the rear crawler columns can be freely biased, improving the flexibility of the mold position.

► Excellent performance steering modes

It has a variety of steering modes, such as forward steering, crab steering, cooperative steering and spot steering, which improves the maneuverability of the machine.

► Track slewing device with large Angle

The track steering is driven by the large-angle rotary device, and the steering Angle is up to $\pm 130^\circ$. The positioning before construction is more efficient and the transition is more agile.

► Low speed and smooth walking system

Adopt high speed ratio reducer and high quality international brand hydraulic motor, driving force is strong, low speed paving walking smoothly, to meet the requirements of large section structure low speed paving.

► Wide operating vision, good operating experience

The components on the operating platform are integrated into the humanized design concept, the layout logic is clear, the operator only needs a glance to determine the position of the functional devices, and the control response is rapid.

► Efficient engine energy saving system

ECO energy saving mode automatically matches the optimal working state according to the working condition of the machine, saving energy and reducing exhaust emissions.

► High efficiency vibration compaction system

Using WYCO square shell vibrator, high compacting efficiency, stable and reliable performance. The load with high stable output flow of Hedforth is equipped with compensation type manual speed regulating valve, and the frequency regulation of vibrator rod is smooth, stable and reliable. Standard equipped with 8 vibration oil road, according to the need to expand 2 vibration oil road, to meet the larger section of the structure of the paving requirements.

► High quality servo valve control column lifting

Choose international brand servo valve to drive the column lifting, lifting cylinder quick response, smooth action, excellent flatness control.

► Convenient transportation concept

The unit is compact and the roof can be electrically folded for more economical truck transport.

Mould Part

According to the location of the mold device is divided into two kinds: side mold and middle mold, respectively to meet different construction requirements.

1. Side mold: the structure includes hopper and mold. The hopper is connected with the telescopic track through the side flange, and the offset oil cylinder controls the whole side mold on the side of the sliding mold paver. The mold is installed under the hopper, connected with the hopper through the flange, and with the hopper can be adjusted through the offset cylinder distance with the host frame, greatly speeding up the spread before the mold in place speed, improve work efficiency, but also make this function is suitable for more spreading conditions, more widely used.

2. Middle mold: installed below the frame of the main engine, between the left and right sides of the walking track, can be used for laying low grade cement concrete pavement, the width is generally between 2-3m, increasing the use of SMC-5500.

Equipment Parameter

Working Parameter	Paving Width(mm)	0~2500(Side Placement) 0~3000(Mid Placement)	Vibrator	Brand	WYCO
	Paving Height(mm)	0~1800		Vibrating Circuits	8 channels
	Flatness(mm/3m)	≤3		Frequency (Hz)	0~167
	Paving Speed(m/min)	0~8	Tank Capacity	Fuel Tank (L)	230(standard configuration) +120(option)
	Driving Speed(m/min)	0~33		Water Tank (L)	500
Machine Parameter	Feed System	Spiral / belt	Engine	Type	上柴SC4H160G4
	Weight (t)	15		Rated Power(kW)	118kw/2200rpm
	Transportation (mm)	7000*2250*2860		Emission Standard	stage 4 (GB 20891-2014)

Service Condition

1. Highway and municipal road construction fields: curb, central isolation belt, anti-collision wall, slope protection, drainage ditch, cement pavement, etc.

2. Railway construction field: retaining wall, drainage ditch, etc.

3. Agriculture and water conservancy construction: anti-seepage channels, slope protection and pavement hardening.

Construction



The sample is for reference only, the product will be updated at any time, the specific contract shall prevail. NO:20211215-5500

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