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Road Surfacing & Building Machinery



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Large-sized Multi-Function Asphalt Concrete Paver

XG-KRP955 Multi-Function Asphalt Concrete Paver



Brief Introduction

XG-KRP955 Asphalt Concrete Paver is a construction machine mainly used for the paving project on the road base and surface for highway of various kinds of material. The machine incorporates the most advanced technology and is the first one to have the most advanced technologies, such as computer-controlling system, digital super sonic sensor, electric auto-levelling system, breakdown self-diagnose, dual-tamper vibration, which makes the machine features with the advantages from many other manufacturers to make the complete machine reaching the current advanced level of the world. All the key parts are purchased from international manufacturers to ensure the complete machine with the same quality and reliability as that of the imported machine. Therefore, XG-KRP955 becomes the ideal equipment for the paving job on stabilized soil for road base and asphalt concrete for road surface.

The main features for XG-KRP955 Asphalt Concrete Paver are:

- * Driving system with control for right and left hand separately; computer-control; auto-control technology for paving with constant speed;
- * 4 sets of separate full hydraulic closed transmission adopted on material distributing right and left hand ; material level controlled with super sonic sensor technology, so as to achieve full proportional even material feeding;
- * Material distributing right and left hand can move up and down expediently, so as to adapt the different paving thickness and increase material prereel complete uniformity;



- * Screed with specific technology of dual tamper bars and hith pressure pulse vibrating and electric-heating;
- * Adopted with an advanced, mature and reliable Deutz BF6M1013E Water-cooling Diesel Engine, with a strong power;
- * Distributing auger, material distributing bottom plate and screed bottom plate made of high wearing-resistant alloy and imported wearing-resistant material;
- * Control panel shows directly and clearly all working functions, paving, traveling speed; and could be mounted either at right or left hand;
- * Mobile or contact less sonic sensor auto-leveling reference beam could be available as an option;
- * Three types of screeds can be adopted; one is hydraulic extensible with single tamper and double-impact bars, another is Mechanical extensible with double tempers and pulse vibrator or high pressure pulse vibrator.

MAIN TECHNICAL PARAMETER

Item	Unit	Parameter
Basic Working Width	m	3.0
Max working Width	m	9.5
Max Paving Thickness	mm	350
Paving Speed	m/min	0~18
Traveling Speed	km/h	0~2.4
Theoretical Productivity	t/h	700
Hopper Capacity	t	14
Gradient Ability	%	20
Smoothness	mm/3m	2
Slope Leveling Tolerance	%	±0.02
Engine Type		BF6M1013E
Rated Output	kw	137
Speed	rpm	2300
Tank Capacity	L	280
Generator Power	kw	28
Weight	t	22~28.6
Overall Dimension	mm	6731×3000×3900

Medium-sized Multi-Function Asphalt Concrete Paver

XG-KRP802 Multi-Function Asphalt Concrete Paver



Brief Introduction

XG-KRP802 Multi-function Road Paver is a construction machine mainly used for the paving project on the road base and surface for highway of various kind of material. This type of machine is the first one to have the most advanced technology, such as computer –controlling system, sonic sensor, electric auto-leveling system, temper and electric-heat, Which makes the machine features with the same quality and reliability as that of the imported machine. Therefore, XG-KRP802 becomes the ideal equipment for the paving job on stabilized soil for road base and base and asphalt concrete for road surface.

The main features for XG-KRP802 Multi-Function Asphalt Concrete Pave:

- * Driving system with control for right and left hand separately; computer-control; auto-control technology for paving with constant speed;
- * Material level controlled with sonic sensor technology, so as to achieve full proportional even material feeding;
- * Auto-leveling system with electric auto-leveling technique;
- * 575 Extendable(Conventional)Screed with specific technology of temper bars Pusling-vibration and electric-heating;
- * Centralized lubricating system ensures automatic and even lubricant feeding to bearings in high

temperature;

- * Adopted with an advanced, mature and reliable Deutz BF4M1013C Water-cooling Diesel Engine, with a strong power;

- * Traveling crawlers with large contacting surface ensure safe and reliable working performance even on poor conditioned roads;

- * Distributing auger, material distributing bottom plate and screed bottom plate made of high wearing-resistant alloy and imported wearing-resistant material;

- * Control panel shows directly and clearly all-working functions, paving traveling speed; and could be mounted either at right or left hand.

- * The complete machine features with high automation, easy and convenient operation, and excellent construction performance with high efficiently.

MAIN TECHNICAL PARAMETER

Item	Unit	Parameter
Basic Working Width	m	3.0
Max working Width	m	8.0
Max Paving Thickness	mm	380
Paving Speed	m/min	0~14
Traveling Speed	km/h	0~3.0
Theoretical Productivity	t/h	600
Hopper Capacity	t	13
Gradient Ability	%	20
Smoothness	mm/3m	3
Engine Type		BF4M1013C
Rated Output	kw	112
Speed	rpm	2300
Generator Power	kw	20
Weight	t	15.5~23.5
Overall Dimension	mm	6230×3000×3855

XG-KRP751 Multi-Function Road Paver



Brief Introduction

* This type of XG-KRP751 paver is widely used for paving road base and surface, suitable for paving asphalt concrete and stabilized materials. It is an ideal equipment for paving all grades of roads.

- * Driving system with fully hydraulic driven and electronic control;
- * Material level controlled with sonic sensor technology;
- * Auto-leveling system with electric auto-leveling technique;
- * Scrod with specific technology of dual temper barn and electric heating;
- * Centralized lubricating system ensures automatic and even lubricant feeding to bearing in high

Temperature;

* Adopted with an advanced, mature and reliable D6114ZG1B or Deutz BF4M1013C Watercooling Diesel Engine, with a strong power;

* Travelling crawlers with large contacting surface ensure safe and reliable working performance even on pllr conditioned roads;

* Distributing auger, matedal distributing bottom plate and acredited boffom plate made of high wearing distributing bottom plate and scrod bottom plate made of high wearing resistant alloy and imported wearing-resistant material;

* Contel panel shews directly and cleaay all working functions, paving, traveling speed; and could be mounted either at right or left hand.



MAIN TECHNICAL PARAMETER

Item	Unit	Parameter
Basic Working Width	m	3.0
Max working Width	m	7.5
Max Paving Thickness	mm	380
Paving Speed	m/min	0~10
Traveling Speed	km/h	0~3.5
Theoretical Productivity	t/h	600
Hopper Capacity	t	13
Gradient Ability	%	20
Smoothness	mm/3m	3/5
Slope Leveling Tolerance	%	±0.03
Engine Type		D6114ZG1B(shanghai)/BF4M1013C(Deutz)
Rated Output	kw	140 112
Speed	rpm	2400 2300
Generator Power	kw	20
Tank Capacity	L	180
Weight	t	16.5~19.5
Overall Dimension	mm	6130×3000×3815

J-series Multi-Function Asphalt Concrete Paver

XG-KRP601J/701J Multi-Function Asphalt Concrete Paver



Brief Introduction

The multipurpose asphalt road paver typed XG-KRP601J and XG-KRP701J is designed to meet the requirement of large quantity of work and diverse working techniques in domestic market. It is a multi-function and high-performance road construction equipment, especially for the stabilized material working techniques. It can work for base course pavement with stabilized material mixture of lime, coal ash, cement, crushed stones, etc. and asphalt-mixed material for surface course pavement. It is an ideal equipment for base course and surface course pavement of road construction, parking lot, square etc.

The main features are:

- * With water-cooled, turbo-charged engine, typed D6114G1B, made by Shanghai Engine Group, the strong power, high reliability, high anti-heat performance, power compensation for tableland area make it be used widely;

- * Large capacity clutch type EQ1141G and automobile gear box that both made by DONGFENG automobile Group, make the big torque storage of transmission system and high reliability;

- * High performance electrical and hydraulic components, such as electric switch, variable displacement ram pump, gear pump and motor, other hydraulic accessories, ensure the machine has reliable working system;

- * The parts that could be easily worn such as auger blades and bottom plate of the conveyor system and the screed are made of imported anti-friction materials;

- * Reasonable structure arrangement, big contact surface of the crawler system, ensure the safe and reliable work even at the hard work conditions;



- * Central lubrication system supply the lubricant to the bearings of high temperature parts, lessen the work of maintenance;
- * Auto controlled material conveying and spreading give the equality of material supply.
- * Auto-leveling system that consists of two grade sensors and one slope sensor improve the pavement smoothness.

MAIN TECHNICAL PARAMETER

Item	Unit	Parameter
Basic Working Width	m	3.0
Max working Width	m	6.0/7.0
Max Paving Thickness	mm	300
Paving Speed	m/min	1.54~4.64
Traveling Speed	km/h	0.44~3.01
Theoretical Productivity	t/h	300
Hopper Capacity	t	13
Gradient Ability	%	20
Tamper Frequency	r/min	0~1500
Tamper Amplitude	mm	4/8
Crown adjust	%	0~3
Engine Type		4135AZKa
Rated Output	kw	90
Rated Speed	rpm	1500
Weight	t	16~21
Overall Dimension	mm	6136×3000×3635

Tyre Multi-Function Asphalt Concrete Paver

XG-KRP450L Asphalt Concrete Paver



Brief Introduction

It is designed with advanced technique of the similar paves aboard and home. Its working width is from 2.8m to 4.5m and working thickness could be adjusted infinitely, the working productivity could be reach 100t/h. It uses the mechanical driving, hydraulic steering, electrical controlled conveyor and auger, electronic switch that control-working unit, all these ensure easy and convenient operation, good quality and high efficiency.



MAIN TECHNICAL PARAMETER

Item	Unit	Parameter
Basic Working Width	m	2.8
Max working Width	m	4.5
Max Paving Thickness	mm	150
Paving Speed	m/min	I : 3.3 II:7.0
Traveling Speed	km/h	I :2.7 II :5.6 III:10.2 IV:16.6 V:2.2
Theoretical Productivity	t/h	100
Hopper Capacity	t	11
Gradient Ability	%	20
Tamper Frequency	Hz	0~25
Crown Adjust	%	0~3
Smoothness	mm/3m	4
Slope Leveling Tolerance	%	±0.03
Engine Type		R4105G18
Rated Output	kw	48
Speed	rpm	2000
Tank Capacity	L	95
Weight	t	10.2
Overall Dimension	mm	5495×2800×3452

Stabelized Material Pavers

XG-KRP751W Stabilized Material Road Paver



Brief Introduction

* This type of paver is designed to meet the requirement that working with all kinds of base materials, which could be any kind of base materials, which could be any kind of mixture that composed of: lime, coal ash, cement, crushed stones, etc. It could be widely used to all grades of road bases and an optimum equipment for the bases paving.

* The parts that could be easily worn are made of anti-friction materials with world advanced level and thus improve the reliability. The screeds are supplied with mechanical adjusted extensions. The maximum paving width could be 7.5m, thickness could be 380 mm, productivity could reach 600t/h.

* It could be easily operated and the automatic leveling system ensures the smoothness and quality.

* High pre-compaction by using dual-tamper screed.



MAIN TECHNICAL PARAMETER

Item	Unit	Parameter
Basic Working Width	m	3.0
Max working Width	m	7.5
Max Paving Thickness	mm	380
Paving Speed	m/min	0~10
Traveling Speed	km/h	0~3.5
Theoretical Productivity	t/h	600
Hopper Capacity	t	13
Gradient Ability	%	20
Smoothness	mm/3m	≤3/5
Slope Leveling Tolerance	%	±0.03
Engine Type		D6114ZG1B/BF4M1013C (Deutz)
Rated Output/Speed	kw/rpm	140/2300/112/2300
Tank Capacity	L	180
Weight	t	16.5~19.5
Overall Dimension	mm	6130×3000×3815

Road Building Machinery

Motor Grader Series

XG-KPY165G、XG-KPY180G、XG-KPY200G G Series Motor Graders



Product features

Brake System: The travelling brake system adopts the hydraulic components of Rexroth (Germany). The hydraulic hub-type brake applies its performance on four middle & rear wheels. The parking brake system is of hub-type hand brake, which ensures the safety during travelling by applying its function on the output shaft of gearbox.

Steering system: Adopting sensor with load. The superior energy-saving fully hydraulic steering system makes it possible, with the articulated frame, to achieve easy and flexible steering.

Chassis: Being of welded structure, just like a box, so it is strong enough to ensure no deformation.

Cabin: with wide-field vision, low noise, ultraviolet-protection glass, and with Curtis (of USA) or VDO (of Germany) instrument panel, height-adjustable seat, radio, ashtray, cup-seat etc. The cab is designed to be nice looking and very comfortable.

Slewing Mechanism: Be fitted with hard material lining, which ensures easy and flexible move of the blade, and high-accuracy flatness and low-cost maintenance as well.

Operation System: Forward/backward adjustable operation panel, with HUSCO multi-way valve, electrically- controlled ZF gearbox, so it is quite easy to make any operation.

Transmission: Adopting with auto-lock/unlock NO-SPIN anti-slide differential, heavy-duty balance box, heavy-duty roller chain transmission, all of which make sure the transmission system being stable.

External Design: The engine housing adopts the glass steel which is of low- noise, rusty-proof,

corrosion-prevention, anti-shock and being tiltable, so with nice looking and easy maintenance and repair for the engine.

Blade: The blade is of very hard material, and it is controlled by two cylinders for changing angle, so with perfect evenness and balance. And cutting-in angle could be easily controlled according to different soil conditions.

Optional Parts:

- 1、 Air-conditioner
- 2、 Automatic levelling unit: It is optional to select Topcom leveling unit or MOBA leveling system (Both are imported). It is recommended: ultrasonic leveling unit can be selected as optional when building the high-express ways; and laser leveling unit as the optional for building airport or large-area agricultural site.
- 3、 Front dozer
- 4、 Rear rippers

Front dozer	Width ×Height	2744×808mm
	Distance to front axle	1550mm
	Max. digging-in depth	110mm
	Max. raising height	500mm
Rear rippers	Ripping width	2000mm
	Max. digging depth for ripper	315mm
	No. of teeth	5
	Max. raising height for ripper	350mm

Main technical specification

	Model	XG-KPY165	XG-KPY180G	XG-KPY200G
Basic parameters	Enging model	Shanghai diesel engine 6135K—10c	D6114ZG31Aa	D6114ZG31Ab
	Rated power/rated speed	121kw(165HP)/2200rpm	132kw(180HP) /2300rpm	147kw(200HP) /2300rpm
	Overall dimensions(st)	9313×2601×3280mm	9313×2601 ×3280mm	9313×2601 ×3280mm
	Operating weight	15400kg	15400kg	17000kg
	Module weight on front wheels	4466kg	4466kg	4900kg
	Module weight on rear wheels	10934kg	10934kg	12100kg
	Tires	17.5—25 RP12	17.5—25 RP12	17.5—25 RP12
	Min. clearance	430mm	430mm	310mm
	Distance between front and rear wheels	6266mm	6266mm	6266mm
	Distance between middle and rear wheels	1542mm	1542mm	1542mm
Performance	Forward speed	5、 8、 11、	5、 8.5、	5、 8.5、 11、 19、

parameters		19、23、37km/h	11、19、23、38.5km/h	23、38.5km/h	
	Reverse speed	5、11、23km/h	5、11、23km/h	5、11、23km/h	
	Max .tractive force	80KN	80KN	87KN	
	Max. gradeability	20	20	20	
	Tire expansion pressure	2.6bar	2.6bar	2.6bar	
	Pressure of working system	18MPa	18MPa	18MPa	
	Pressure of gear box	1.3—1.5 Mpa(13—15kg/cm ²)	1.3—1.5 Mpa(13—15kg/cm ²)	1.3—1.5 Mpa(13—15kg/cm ²)	
Working parameters	Max. steering angle for front wheel	left,right each 45°	Right and left each45°	Right and left each45°	
	Max. decline angle for front wheel	17°	17°	17°	
	Max.swing angle for front axle	±15°	±15°	±15°	
	Chassis steering angle	Left and Right, each 25°	Left and Right, each 25°	Left and Right, each 25°	
	Min. turning radius	7.8m	7.8m	7.8m	
	Moldboard	Max.raising height	460mm	460mm	460mm
		Max.blade cutting depth	500mm	500mm	500mm
	Blade	Max.sloping angle for blade	90°	90°	90°
		Cutting angle	25°—55°	25°—55°	25°—55°
		Swing angle	360°	360°	360°
		Length×Curved height	3965×610mm	3965×610mm	3965×610mm
	Fuel refilling volume(ref.)	Cooling liquid	150L	150L	150L
		Fuel tank	220L	220L	220L
Engine		20L	20L	20L	
Gear box		26L	26L	26L	
Total capacity of balance box		46L	46L	46L	
Driving axle		28L	28L	28L	
Hydraulic oil		110L	110L	110L	
Turbo box		2.5L	2.5L	2.5L	