

# ROAD EQUIPMENT

NEW E SERIES ROLLERS

PAVERS

COLD PLANER



TOUGH WORLD. TOUGH EQUIPMENT.

# TOUGH WORLD. TOUGH EQUIPMENT.

The compaction world is your reality, you live it every day and you know how hard it can be to make your business pay. Rising costs, increasing legislation and greater competition all combine to put the pressure on.

We understand and we've put that understanding into action with our new, E-Series Compactors. The E-Series is a range of four powerful, cost effective machines designed to help you compete and win.

## NO TOUGH COMPROMISES, JUST EVERYTHING YOU NEED AND NOTHING YOU DON'T

The construction equipment industry has seen an expensive trend towards over-engineered products. Some manufacturers genuinely believe that adding cost, adds perceived value in customers' eyes.

## BUT YOU TOLD US A DIFFERENT STORY

You asked for a tough range of road construction machinery with the ability to deliver industry leading product quality and with even greater levels of efficiency and operator comfort.

## YOU WANTED A HARD WORKING ROLLER RANGE THAT DELIVERS ON 4 ESSENTIAL NEEDS;



**INDUSTRY LEADING  
COMPACTION**



**LOWER OPERATING  
COSTS**



**ENHANCED  
OPERATOR COMFORT**



**SIMPLE & COST  
EFFECTIVE  
MAINTENANCE**



**The E-series is a one-stop-shop  
for compaction and includes:**

### SINGLE DRUM VIBRATORY ROLLERS

Designed for cost effective earth and asphalt compaction we offer a choice of mechanical or hydraulic rollers.

### TANDEM-DRUM VIBRATORY ROLLERS

Re-defining performance and compaction quality.

### PNEUMATIC TIRE ROLLERS

Leading the way to excellence in surface finish.

### COMPACT ROLLERS

Ideal for new construction, landscaping and repair work.

## IN ROAD CONSTRUCTION, LIUGONG COVERS ALL THE BASES.

From site clearance to extraction, material handling and road construction our range has it all. Excavators, wheel loaders, bulldozers, motor graders, rollers, cold planers and pavers, all perfectly matched to bring you the very best results.

Our road construction range is steadily building a worldwide reputation for quality, productivity, operator satisfaction and cost efficiency.

With the New E-Series range of rollers, our offering has just got even stronger.

**With the new E-Series, we've risen to your challenge and given you everything you want – a choice of tough, powerful and cost effective rollers – built without compromise.**





# THE NEW E-SERIES. EXCELLS IN THE ESSENTIALS.

LiuGong's E-Series asphalt and soil compactors are built to tackle the toughest compaction jobs with industry leading power and performance. Whatever the compaction challenge, whatever the surface, we keep your business rolling.



## INDUSTRY LEADING COMPACTION

### Not fiction – pure fact.

Our 14 to 26 ton single drum vibratory rollers deliver an impressive 8.5% higher centrifugal force than the industry average.

### But we go further.

Our low frequency version (50 Hz) tandem roller is class leading in performance, whereas the high frequency version (67 Hz) can further improve compaction speed and efficiency by up to 30%.

### But size isn't everything.

Our high frequency compact 6032E tandem roller, also improves compaction performance by 30% and comes as standard.

### Want more?

We've equipped our pneumatic tire rollers with tiltable front shaft suspension to consistently deliver optimum compaction on even the toughest surfaces.



## LOWER OPERATING COSTS

Everyone wants to do more work - for less fuel and cost.

We rose to that challenge with the E-Series.

Flexible and non-impact technology on our vibratory rollers extends the vibratory bearing's working life to beyond 10,000 hours increasing productivity and reducing part wear.

In addition, LiuGong's innovative auto throttle reduces fuel consumption by an impressive 8% by automatically switching the engine to idling mode during periods of inactivity. LiuGong's patented cooling technology also helps keep operating cost low prolonging component life and reducing downtime.

Components such as our "indestructible" Exciter will last a lifetime and is virtually maintenance free. It also requires only 5 L of oil compared to 40 L on competitive machines saving on average saving \$200 per year.

Higher performance, lower cost, with the E-series you really can do more for less.



## ENHANCED OPERATOR COMFORT

A comfortable operator is more productive, so it makes good business sense to give operators the very best working environment.

Our new E-Series is packed with innovative technologies to keep operators safer, more alert and more productive.

Visibility has been improved across the range with rotatable seats and a clear 360 degree field of vision.



Controls are intelligently positioned for visibility and convenience, exactly where the operator needs them. Cab improvements also protect the operator from noise and vibrations creating a more productive working environment.

Starting and braking technologies combine to improve compaction performance helping even the most inexperienced operator work like a seasoned professional.



## SIMPLE & COST EFFECTIVE MAINTENANCE

Simple daily checks and maintenance prolong machine performance but, they can be difficult and time consuming on tough job sites where time is precious. Not with our new E-Series.

Features such as the new space saving engine and gear box design give you more room to work, making maintenance faster and simpler. An improved engine hood with a 60° opening angle greatly improves visibility and makes maintenance and service faster and more efficient. The independent vibratory chamber has been designed to be virtually maintenance free and requires only 5 L of lubricating oil, saving maintenance time and money.

The lift up cab on our pneumatic tire rollers, give easy access to the hydraulic components and electrical harness. A fully opening back cover gives fast service access to the sprinkler and booster pumps.

With our new E-Series machines we've worked hard to make maintenance easy - so you don't have to.



# SINGLE DRUM VIBRATORY ROLLERS

From sub-grade to base to surface and on to maintenance our New E-Series is a one-stop-shop for compaction.

Our single drum rollers are the first choice for cost effective earth and asphalt compaction. We offer a choice of Mechanical (14 to 26 ton) or Hydraulic (11 to 28 ton) rollers designed to meet your needs exactly.

## COMPACTNESS METER

With a large, easy to read operator interface, our optional compactness meter ensures that the operator knows exactly what is happening on the ground.



## LARGER DIAMETER VIBRATORY DRUM

With a larger diameter drum, up to 6% wider than the industry average, combined with amplitude consistency and uniformity, we ensure that the optimum compaction force is delivered with fewer passes required.

## DUAL FREQUENCY AND DOUBLE AMPLITUDE

With dual frequency and double amplitude vibratory mode, our rollers generate industry leading centrifugal compaction force up to 8.5% higher than the industry average.



## REAR VIEW CAMERA

Site safety, operator performance and visibility are key, so the rear view camera option really helps keep the operator focused on safely completing the job, every time.

**Higher productivity and lower operating costs.**

**But we have gone even further with innovative drum technology to deliver cost effective, low maintenance compaction.**

COMPACTION IN ACTION FOR EVERY APPLICATION



# FLEXIBLE & NON-IMPACT VIBRATION



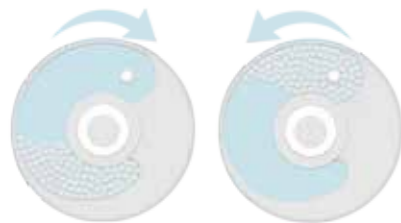
Our flexible and non-impact vibration technology ensures that the vibratory bearing has an operational life in excess of 10,000 hours.



The "indestructible" Exciter will last a lifetime and is virtually maintenance free, requiring only 5 L of lubricating oil and saving, on average saving \$200 per year.



When the going gets tough, our rollers keep their cool. Patented cooling technology inside the drum keeps temperatures balanced at around 90°C under normal working condition, 20°C lower than the industry average. This stable temperature regulation helps prolong component life and reduces maintenance.



## PADFOOT ROLLERS

Our Padfoot rollers generate static pressure, vibration and impact pressure but also generate manipulative force which penetrates the soil, building up strength and creates a stronger, more unified finish.

# SINGLE DRUM VIBRATORY ROLLERS





# 8-14 TON TANDEM DRUM VIBRATORY ROLLERS

COMPACTOR IN ACTION FOR EVERY APPLICATION

With a production capability of up to 7.2 km/h, high performance and compaction quality defines our new tandem rollers.

### But we've moved productivity up a gear

With our high frequency option (67 Hz) which can improve compaction speed and efficiency by an impressive 30%.

### ALWAYS ON TRACK

Our optional crab walk feature allows drums to be offset by 160 mm on each side, increasing the track width and ensuring edge-to-edge perfection.

### FLEXIBLE START-STOP TECHNOLOGY

Compaction quality is further improved with flexible Start-Stop technology and prolongs the machine life.

Soft starting and braking technology significantly improves the operator's



experience helping to reduce pavement damage and ensure a high quality finish to every job.



#### 6208E/6210E

##### Cummins QSB3.9

4-cylinder, turbocharged, common-rail  
Rated power rating of 81 kW (110 hp) @ 2,200 rpm.

#### 6212E/6213E/6214E

##### Cummins QSB4.5

4-cylinder, turbocharged, common-rail  
Rated power rating of 119 kW (160 hp) @ 2,200 rpm.

### AUTO THROTTLE PERFORMANCE

Add to this the advantages of a fuel efficient auto throttle which can reduce fuel consumption by 8% and intelligent cooling which can reduce fuel consumption by an additional 2% and you have a quieter, cleaner and more productive roller.





COMPACT TANDERS  
EVERY APPLICATION  
FOR



# 0.9 - 3.6 TON COMPACT TANDEM ROLLER

Ideal for footpaths, repair work, landscaping and finishing work in road construction, our compact rollers are highly versatile.

Our E-Series gives you a choice of a double drum tandem rollers including the 6032E which is an innovative pneumatic tire and drum combination. With an operating weight of up to 4 tons our compact Liugong's high frequency and low amplitude vibration technology delivers consistent and high quality compaction and

by avoiding unnecessary passes, saves you time and money. Performance can be further enhanced by opting for the high frequency version of the 6032E. This powerhouse achieves 7.2 km/h which is a staggering 30% higher than traditional versions. Machines are strong enough to put in a heavyweight shift.

Operators love the simple and intuitive functionality of our compact machines. They are a joy to operate, easy to maintain and deliver a high quality job – every time





# 16 - 30 TON PNEUMATIC TIRE ROLLERS

COMPACTION IN ACTION FOR EVERY APPLICATION

With a choice of operating weights our rollers are ideally suited to both earthworks and asphalt construction and can easily adapt to any compaction task.

Top quality compaction is achieved by the kneading and rolling effect of the wheels as vertical pressure combined with horizontal forces produce an excellent, uniform surface finish.

### PATENTED TIRE SUSPENSION SYSTEM

On uneven surfaces, our patented Tire Suspension System, equipped with a tiltable front shaft, enables the 4 front wheels to swing up and down by +/- 8° achieving maximum ground contact for each wheel. This delivers optimum compact and improves safety by helping prevent the roller from tilting over.

### THREE-STAGE BREAKING SYSTEM

Safety is further enhanced with a three-stage breaking system utilizing hydraulics, oil cut-off and wheel side oil breaking. This three stage system protects the operator, site workers and members of the public from accidents.

### OPERATOR FRIENDLY ENVIRONMENT

As you would expect, the driver's environment is intelligently laid out. Controls are clearly visible and within easy reach and a comfortable rotatable seat allows a 360° view from the cab.



### AUTOMATIC INFLATION

Compaction success is highly dependent on the correct tire pressure. Our centralized automatic inflation system allows for fast adjustment of tire pressure and guarantees the correct pressure every pass.

### PATENTED STEERING SYSTEM

LiuGong's patented Steering System also contributes to compaction success. Utilizing a double steering mechanism it minimizes damage to the road surface when steering ensuring a perfect finish, every pass.





# 5100-2 COLD PLANER

## MILLING DRUM

Cutting depths of 180 mm  
Edge milling function  
No. of tools, 92

## CONVEYOR

Foldable conveyor  
3.7 meter

## WATER SPRAYING

Two water refilling pumps  
Large water tank

## PLATFORM

Integrated control and LCD screen

## ENGINE

Cummins Tier 3 turbocharged diesel engine QSB5.9  
Turbocharged, high pressure common rail  
Electronically controlled direct injection

## DRIVE

Hydrostatic drive train  
4 Wheel Drive  
Anti-slip



Liugong's cold planers are designed to work hard, shift after shift. The real key to success is the ability to deliver power to the rotor and our machines deliver.

Our 5100-2 milling machine uses high pressure rotary milling technology, utilizing a Hydrostatic drive milling drum with Overloading protect function to greatly increase production efficiency.

With a wide, foldable conveyor as standard and the option of a hydraulic differential lock, our cold planers are the perfect choice for road or pavement construction.

## OPTIONS

The Liugong 5100-2 includes all that is needed in terms of milling. It also offers optional long conveyor of 4.5 meter, cement cutting tools, quick change and milling depth auto control.

MILLING POWER WHERE YOU NEED IT



# 509A PAVER

PAVING YOUR WAY TO SUCCESS

LiuGong's proven paving technology ensures you have the right tool for even the toughest paving job.

Our innovative CAN (Intelligent Digital Control System) helps operators set and monitor performance parameters to deliver a consistently high quality result. Automatic levelling from two hydraulic conveyor systems guarantees an even and consistent distribution of material.

The large capacity 16 ton hopper is also cleverly positioned to allow material to be spread without heavy impact. With a highly efficient power train, including ECO mode the 509A is not only a productive paver, it's an efficient one and can reduce fuel consumption by 12%.

## STANDARD EQUIPMENT

### ENGINE

- 6 cylinder 158 kW (215 hp) Cummins QSB6.7 engine, Tier 3
- ECO mode
- Auto idling
- Air pre-filters

### TRACK DRIVE

- 320 mm track pads
- Hydraulic automatic tensioning

### CONVEYOR

- Two stage chain drive
- Independent conveyor
- Central lubrication

### AUGER

- Height adjustment
- Proportional controlled reversible auger

### SCREED

- Two options - Mechanical assembly and hydraulic extension
- Crown manual adjustment
- Screed vibration standard for hydraulic extension screed
- Gas heating

### HOPPER

- Large capacity 16 ton hopper

### PLATFORM

- Operator panel
- Front and rear adjustable seat
- Tool box
- Working light
- Rotating beacon
- Emergency stop
- Service kit

### TRUCK ASSIST

- Safe truck docking



# TOTAL COST OF OWNERSHIP

## WE KEEP YOU ROLLING

LiuGong quality and performance might convince you to buy your first machine, but uptime and support and total cost of ownership will keep you coming back for more. Having confidence in the machine's back up and support network is a vital part of the purchasing decision. How do we at LiuGong measure up?

## FAST RESPONDING GLOBAL NETWORK

We have an extensive dealer network of over 2,650 outlets in more than 100 countries. All supported by

10 regional subsidiaries and 9 global parts centers offering expert training, parts and service support.

## WHERE YOU NEED US WHEN YOU NEED US

Reliability is built into our machines but all machines have some planned downtime. Our aim is to reduce even planned down time to the minimum by getting it right. Technician training and parts availability are also high on our agenda, as is keeping you informed on service and maintenance work and providing clear and accurate estimates, invoices and communication. These

may be small things, but customer feedback tells us that these basics really matter – so we aim to get them right.

## MAINTENANCE AND SUPPORT PACKAGES


From genuine LiuGong parts, to full repair and maintenance contracts, LiuGong has the flexibility to offer the level of support and response to suit your business and applications. Whatever level of support you choose you can be confident that it is backed up by LiuGong's service promise.





## IT ALL ADDS UP

With our new E-Series we've risen to the challenge and given you everything you need and nothing you don't. We've given you a one-stop-shop for compaction all backed up by LiuGong's service promise. When it comes to performance, we've got it covered, on job site and on the balance sheet.

Add up the benefits and you'll see that our New E-Series has the formula for success.



**INDUSTRY LEADING  
COMPACTION**

+

**LOWER  
OPERATING COSTS**

+

**ENHANCED  
OPERATOR COMFORT**

+

**SIMPLE & COST  
EFFECTIVE MAINTENANCE**



## SINGLE DRUM VIBRATORY ROLLERS, MECHANICAL

Model		6114E	6116E	6118E
Operating Mass	kg	14000	16000	18000
Mass On Vibrating Drum	kg	7000	8000	9000
Mass On Drive Axle	kg	7000	8000	9000
Front Drum Static Linear Load	N/cm	322	368	414

Engine				
Model		Shangchai SC4H	Shangchai SC4H	Shangchai SC8D
Emission Regulation		Tier 2 / Tier 3	Tier 2 / Tier 3	Tier 2 / Tier 3
Rated Power	kW (hp)	103 (140)	103 (140)	132 (180)

Compaction				
Vibration Frequency	Hz	30	30	30/33
Nominal Amplitude	mm	2.0/1.2	2.0/1.2	2.0/1.0
Centrifugal Force	kN	280/170	300/180	320/200
Drum Diameter	mm	1555	1555	1555

Drive *				
1st Maximum Speed, fwd	km/h	2.7	2.7	2.7
2nd Maximum Speed, fwd	km/h	5.2	5.2	5.2
3rd Maximum Speed, fwd	km/h	11	11	11
Theoretical Gradeability		30%	30%	30%
Min. Ground Clearance	mm	450	450	450
Wheelbase	mm	2950	2950	3230
Min. Outside Turning Radius	mm	6500	6500	7000

Dimensions				
Overall Length	mm	6000	6000	6608
Overall Width	mm	2280	2280	2340
Overall Height	mm	3050	3050	3050

\* Mechanical driven vibratory single drum roller

## SINGLE DRUM VIBRATORY ROLLERS, MECHANICAL

Model		6120E	6122E	6126E
Operating Mass	kg	20000	22000	26000
Mass On Vibrating Drum	kg	10000	11000	13000
Mass On Drive Axle	kg	10000	11000	13000
Front Drum Static Linear Load	N/cm	460	506	610

Engine				
Model		Shangchai SC8D	Shangchai SC8D	Shangchai SC8DK190.2G3
Emission Regulation		Tier 2 / Tier 3	Tier 2 / Tier 3	Tier 3
Rated Power	kW (hp)	132 (180)	132 (180)	140 (190)

Compaction				
Vibration Frequency	Hz	28/33	28/33	28/33
Nominal Amplitude	mm	2.0/1.3	2.0/1.3	2.0/1.0
Centrifugal Force	kN	380/280	400/290	430/300
Drum Diameter	mm	1600	1600	1700

Drive *				
1st Maximum Speed, fwd	km/h	2.7	2.7	2.6
2nd Maximum Speed, fwd	km/h	5.2	5.2	5.3
3rd Maximum Speed, fwd	km/h	11	11	10.9
Theoretical Gradeability		30%	30%	30%
Min. Ground Clearance	mm	450	450	430
Wheelbase	mm	3230	3230	3270
Min. Outside Turning Radius	mm	7000	7000	7000

Dimensions				
Overall Length	mm	6608	6608	6658
Overall Width	mm	2340	2340	2440
Overall Height	mm	3150	3150	3150

\* Mechanical driven vibratory single drum roller



## SINGLE DRUM VIBRATORY ROLLERS, HYDRAULIC

Model		6611E	6612E*	6614E
Operating Mass	kg	11350	12200	14000
Mass On Vibrating Drum	kg	6350	7200	8000
Mass On Drive Axle	kg	5000	5000	6000
Front Drum Static Linear Load	N/cm	292	331	368

Engine				
Model		Cummins 4BTAA3.9-C125	Cummins 6BTAA5.9-C160	Cummins 6BTAA5.9-C160
Emission Regulation		Tier 2	Tier 2	Tier 2
Rated Power	kW (hp)	93 (125)	118 (160)	118 (160)

Compaction				
Vibration Frequency	Hz	30/33	30/33	30/33
Nominal Amplitude	mm	2.0/1.1	2.0/1.1	2.0/1.2
Centrifugal Force	kN	300/190	300/190	300/220
Drum Diameter	mm	1555	1555	1555

Drive *				
1st Maximum Speed, fwd	km/h	6	4.5	4.5
2nd Maximum Speed, fwd	km/h	10.5	6.1	6.1
3rd Maximum Speed, fwd	km/h	/	6.7	6.7
4th Maximum Speed, fwd	km/h	/	12	12
Theoretical Gradeability		45%	50%	50%
Min. Ground Clearance	mm	470	470	470
Wheelbase	mm	2980	2980	2980
Min. Outside Turning Radius	mm	6500	6500	6500

Dimensions				
Overall Length	mm	6000	6000	6000
Overall Width	mm	2280	2280	2280
Overall Height	mm	3180	3080	3080

\* Hydraulic driven vibratory single drum roller

\* The 6612E is available in Cummins QSB4.5 Tier 3 emission standard engine with rated power of 116 kW (158 hp) @ 2000 rpm.

## SINGLE DRUM VIBRATORY ROLLERS, HYDRAULIC

Model		6616E	6618E	6620E
Operating Mass	kg	15500	18300	20000
Mass On Vibrating Drum	kg	9500	11500	13200
Mass On Drive Axle	kg	6000	6800	6800
Front Drum Static Linear Load	N/cm	437	529	607

Engine				
Model		Cummins 6BTAA5.9-C160	Shanghai SC8D	Shanghai SC8D
Emission Regulation		Tier 2	Tier 2 / Tier 3	Tier 2 / Tier 3
Rated Power	kW (hp)	118 (160)	140 (190)	140 (190)

Compaction				
Vibration Frequency	Hz	30/33	28/33	28/33
Nominal Amplitude	mm	2.0/1.2	2.0/1.2	2.0/1.2
Centrifugal Force	kN	300/220	380/260	400/280
Drum Diameter	mm	1555	1600	1600

Drive *				
1st Maximum Speed, fwd	km/h	4.5	4	4
2nd Maximum Speed, fwd	km/h	6.1	5.5	5.5
3rd Maximum Speed, fwd	km/h	6.7	6.5	6.5
4th Maximum Speed, fwd	km/h	12	10.5	10.5
Theoretical Gradeability		50%	45%	45%
Min. Ground Clearance	mm	470	440	440
Wheelbase	mm	2980	3250	3250
Min. Outside Turning Radius	mm	6500	7000	7000

Dimensions				
Overall Length	mm	6000	6450	6450
Overall Width	mm	2280	2300	2340
Overall Height	mm	3080	3050	3050

\* Hydraulic driven vibratory single drum roller



## SINGLE DRUM VIBRATORY ROLLERS, HYDRAULIC

Model		6622E	6626E	6628E
Operating Mass	kg	22000	26000	28000
Mass On Vibrating Drum	kg	13800	17200	18500
Mass On Drive Axle	kg	8200	8800	9500
Front Drum Static Linear Load	N/cm	635	766	824

Engine				
Model		Shangchai SC8D	Shangchai SC9D	Shangchai SC9D
Emission Regulation		Tier 2 / Tier 3	Tier 2	Tier 2
Rated Power	kW (hp)	140 (190)	177 (240)	177 (240)

Compaction				
Vibration Frequency	Hz	28/33	28/33	28/33
Nominal Amplitude	mm	2.0/1.2	1.8/1.1	1.8/1.1
Centrifugal Force	kN	420/290	480/375	500/400
Drum Diameter	mm	1600	1700	1700

Drive *				
1st Maximum Speed, fwd	km/h	4	4.1	4.1
2nd Maximum Speed, fwd	km/h	5.5	5.6	5.6
3rd Maximum Speed, fwd	km/h	6.5	6.2	6.2
4th Maximum Speed, fwd	km/h	10.5	10.4	10.4
Theoretical Gradeability		45%	50%	50%
Min. Ground Clearance	mm	440	500	500
Wheelbase	mm	3250	3250	3250
Min. Outside Turning Radius	mm	7000	7000	7000

Dimensions				
Overall Length	mm	6450	6500	6500
Overall Width	mm	2400	2500	2580
Overall Height	mm	3050	3150	3150

\* Hydraulic driven vibratory single drum roller

## TANDEM DRUM VIBRATORY ROLLERS

Model		6208E	6210E	6212E	6213E	6214E
Operating Mass	kg	9200	10200	12500	13000	14000
Mass On Front Drum	kg	4700	5200	6250	6500	7000
Mass On Rear Axle	kg	4500	5000	6250	6500	7000
Front Drum Static Linear Load	N/cm	276	297	293	305	329
Rear Drum Static Linear Load	N/cm	265	286	293	305	329

Engine						
Model		Cummins QSB3.9	Cummins QSB3.9	Cummins QSB4.5	Cummins QSB4.5	Cummins QSB4.5
Emission Regulation		Tier 3	Tier 3	Tier 3	Tier 3	Tier 3
Rated Power	kW (hp)	81 (110)	81 (110)	119 (160)	119 (160)	119 (160)

Compaction						
Standard						
Vibration Frequency	Hz	45/50	45/50	45/50	45/50	45/50
Nominal Amplitude	mm	0.8/0.4	0.8/0.4	0.75/0.4	0.75/0.4	0.75/0.4
Centrifugal Force	kN	100/61	120/69	140/85	150/90	166/99

Optional						
Vibration Frequency	Hz	/	/	50/67	50/67	50/67
Nominal Amplitude	mm	/	/	0.8/0.3	0.8/0.3	0.8/0.3
Centrifugal Force	kN	/	/	159/103	169/108	185/115

Drive						
1st Maximum Speed, fwd	km/h	6	6	6	6	6
2nd Maximum Speed, fwd	km/h	8	8	8	8	8
3rd Maximum Speed, fwd	km/h	12	12	12	12	12
Theoretical Gradeability		40%	40%	40%	40%	40%
Min. Ground Clearance	mm	260	260	320	320	345
Wheelbase	mm	3585	3585	3585	3585	3585
Min. Outside Turning Radius	mm	6770	6770	6770	6770	6770

Dimensions						
Overall Length	mm	4970	4970	5050	5050	5050
Overall Width	mm	1960	1960	2280	2300	2300
Overall Height	mm	3120	3120	3170	3170	3195
Drum Diameter	mm	1200	1200	1300	1300	1350
Drum Width	mm	1700	1750	2130	2130	2130



## PNEUMATIC TIRE VIBRATORY ROLLERS

Model		6516E	6520E	6526E	6530E
Max. Operating Mass	kg	16000	20000	26000	30000
Min. Operating Mass	kg	11000	11000	15000	15000
Single Tire Load	kg	1778	2222	2364	2727
Overlapping of Front & Rear Tire	mm	45	45	45	45

### Engine

Model		Cummins 4BTAA3.9	Cummins QSB4.5	Shangchai SC7H	Shangchai SC7H
Emission Regulation		Tier 2 / Tier 3	Tier 2 / Tier 3	Tier 3	Tier 3
Rated Power	kW (hp)	97 (130)	97 (130)	132 (180)	132 (180)

### Drive

Working Speed	km/h	7	7	7	7
Travelling Speed	km/h	16	16	15	15
Compacting Width	mm	2250	2250	2750	2750
Theoretical Gradeability		20%	20%	20%	20%
Min. Ground Clearance	mm	290	290	290	290
Wheelbase	mm	3600	3600	3840	3840
Min. Outside Turning Radius	mm	8000	8000	9000	9000
Tire Type		11.0216PR	11.0216PR	11.0216PR	11.0216PR
Tire Numbers		Front 4 Rear 5	Front 4 Rear 5	Front 5 Rear 6	Front 5 Rear 6

### Dimensions

Overall Length	mm	4800	4800	4970	4970
Overall Width	mm	2310	2310	2800	2800
Overall Height	mm	3270	3270	3340	3340

## COMPACT VIBRATORY ROLLERS

Model		6015E	6032E Combi	6032E
Operating Mass	kg	1700	3200	3360
Mass On Front Drum	kg	850	1650	1540
Mass On Rear Axle	kg	850	1550	1820
Front Drum Static Linear Load	N/cm	93	161.7	128
Rear Drum Static Linear Load	N/cm	93	151.9	151

### Engine

Model		KOHLER KWD1003	Perkins 403D-15T	Perkins 403D-15T
Emission Regulation		Tier 3	Tier 3	Tier 3
Rated Power	kW (hp)	18 (24)	27.3 (37)	27.3 (37)

### Compaction

Vibration Frequency	Hz	65	60	62
Nominal Amplitude	mm	0.4	0.45	0.5
Centrifugal Force	kN	33.5	33.5	33.5
Drum Diameter	mm	560	750	750
Drum Width	mm	900	1200	1200

### Drive

Maximum Speed, fwd	km/h	7	8.5	8.5
Theoretical Gradeability		30%	30%	30%
Min. Ground Clearance	mm	210	265	265
Wheelbase	mm	1700	1860	1860
Min. Outside Turning Radius	mm	3500	4050	4050

### Dimensions

Overall Length	mm	2300	2610	2610
Overall Width	mm	990	1310	1310
Overall Height	mm	2276	2645	2645

## LIGHT EQUIPMENT

Model		6009E	
Operating Mass	kg	860	
Mass On Front Drum	kg	400	
Mass On Rear Axle	kg	460	
Front Drum Static Linear Load	N/cm	52	
Rear Drum Static Linear Load	N/cm	60	

Engine			
Model	KAMA 186FA6JE		
Emission Regulation	Tier 3		
Rated Power	kW (hp)	5.3 (7)	

### Compaction Standard

Vibration Frequency	Low	Hz	55
Nominal Amplitude	Low	mm	0.35
Centrifugal Force	Low	kN	30

### Optional

Vibration Frequency	High	Hz	55
Nominal Amplitude	High	mm	0.35
Centrifugal Force	High	kN	30
Drum Diameter			mm 426
Drum Width			mm 750

### Drive

Maximum Speed, fwd	km/h	3.6	
Theoretical Gradeability	30%/35%		
Min. Ground Clearance	mm	258	
Wheelbase	mm	590	

### Dimensions

Overall Length	mm	2541	
Overall Width	mm	812	
Overall Height	mm	1238	

## COLD PLANER

Model		5100-2	
Operating weight	kg	14500	
Milling width	mm	1000	
Milling depth	mm	180	
No. of tools	92		

### Engine

Model	Cummins QSB5.9-C210		
Rated power	kW (hp)	154 (210)	
Emission	Tier 3		

### Performance

Travel speed	km/h	0~8	
Operating speed	r/min	0~30	

### Service Refill Capacity

Fuel	L	370	
Hydraulic oil	L	120	
Water tank	L	920	

### Shipping dimensions (Conveyor fold)

Shipping Length	mm	8200	
Shipping width	mm	2460	
Shipping height	mm	2850	

## PAVERS

Model		509A		509E	
Extension mode		Mechanical	Hydraulic	Mechanical	Hydraulic
Paving Width Range	m	2.5~9.5	3-9	2.5~9.5	3~9
Maximum Paving Thickness	mm	350	300	350	300
Theoretical Productivity	t/h	800	800	900	900
Operating Mass	t	20~26	22~26	21~26	23~25

### Engine

Model	QSB6.7-215C		QSB6.7-215C	QSB6.7-215C	QSB6.7-215C
Rated Power	kW (hp)	158 (215)	158 (215)	158 (215)	158 (215)

### Performance

Paving Speed	m/min	0~18	0~18	0~18	0~18
Travelling Speed	km/h	0~2.8	0~2.8	0~3	0~3
Hopper Capacity	t	16	16	16	16
Gradability		≥20%	≥20%	≥20%	≥20%
Smoothness	mm/3m	≤3	≤3	≤3	≤3
Slope Error		±0.02%	±0.02%	±0.02%	±0.02%
Tamper Type		Double Tamper	Single Tamper	Double Tamper	Single Tamper
Tamper Frequency	Hz	0~21.2	0~24	0~25	0~25
Tamper Swing, Front	mm	0/3/6/8.5/12	5	0/3/6/8.5/12	5
Tamper Swing, Rear	mm	3/5/6/7/8/9	-	3/5/6/7/8/9	-
Vibration Frequency	Hz	55	37	45	45
Crown Adjustment		-1~3%	-1~3%	-1~3%	-1~3%
Paving Compactness, Asphalt		≥90%	≥90%	≥90%	≥90%
Paving Compactness, Stabilized Soil		≥80%	≥80%	≥80%	≥80%
Fuel Tank Capacity	L	330	330	300	300

### Shipping Dimensions

Length	mm	6923	7085	6670	6850
Width	mm	2720	3100	2760	3020
Height	mm	3808	3808	3080	3080





**Guangxi LiuGong Machinery Co., Ltd.**

No. 1 Liutai Road, Liuzhou, Guangxi 545007, PR China  
T: +86 772 388 6124 E: overseas@liugong.com  
www.liugong.com

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