

SOLID TO SUCCEED



Paver

RP355i



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RP355i Paver is a kind of mini-type crawler paver with working width of 0.5~3.2m. Compact machine structure offers flexible application. Full hydraulic drive and smart electrical system are incorporated to provide stable performance and high reliability. It is applicable for backfilling of road surface milling slot and gully, urban non-motorized lane construction, road construction in island and tourist attractions, garden landscape, community road construction and stadium construction, as well as special application for indoor and high-limit construction.



Main Performance And Characteristics

- 1** Compact machine structure offers flexible application. The 1.45m width and less than 2m height of the machine fulfills application in low and narrow working conditions. Maximum 3.2 meter and minimum 0.5 meter can be achieved with width limit device, suitable for a variety of working conditions and differentiated needs of customers.
- 2** Full hydraulic independent drive with load sensing control technology, allowing efficient, energy saving power output; Danfoss drive components provide reliable and stable performance.
- 3** Kubota water-cooled turbocharged electric diesel engine (55.4kW/2200rpm) is equipped with sufficient power reserve, good atomization of diesel, good economy, low noise, long life and wide application range.
- 4** Intelligent integrated control technology, integrated wiring harness and wireless communication, with a multi-function display panel, ensuring a closer human-computer interaction; the network control system with multi-cpu control technology is developed based on CAN bus technology platform, instructions are executed more reliably.
- 5** The generator adopts independent driving technology, which can be turned on according to the working requirements, which improves the utilization rate of the generator, increases the reliability of the components, and saves energy.
- 6** Independent cooling system reduces the influence of engine speed fluctuation, so that the fan rotates more stably; Fan speed is adjusted with system temperature change to achieve the best cooling effect.
- 7** Folding type hopper, swing type servo push roller, providing a variety of feeding ways, also meet the feeding requirements for large tonnage skip car.
- 8** Innovative designed E1120TV small telescopic screed, use double-tube telescopic mechanism, the application of suspension eccentricity limit torsion technology, strong deformation resistance; Equipped with single tamper compacting device and eccentric vibration device, the construction stability and pavement forming quality are greatly improved.



Compact and Flexible

- In addition, it can also be used for indoor paving, high-speed garden belt paving, urban road repair, park ring road construction and so on.



Construction against the wall



Track paving



Trench backfilling



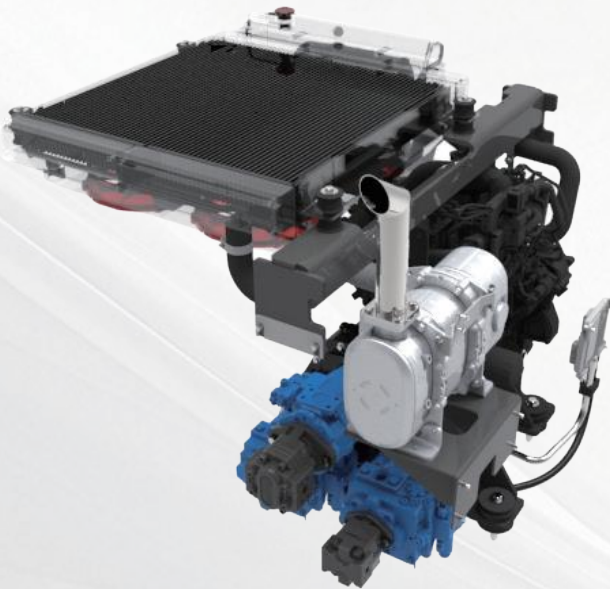
Under Bridge



Energy Saving and Noise Reduction

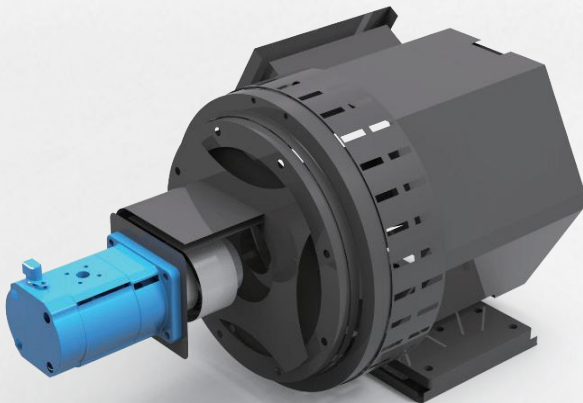
Independent electric cooling system

- The fan is electronically driven, which greatly reduces the noise of the equipment, and the speed can be automatically adjusted according to the water temperature of the engine, to achieve the best radiating effect while saving energy and reducing noise.



Independent drive generator

- The generator is independently driven by the hydraulic system, matched with the intelligent control heating system, and can be started when the work needs, with high heating efficiency and less heating time.



Intelligent Control

XCMG intelligent control panel

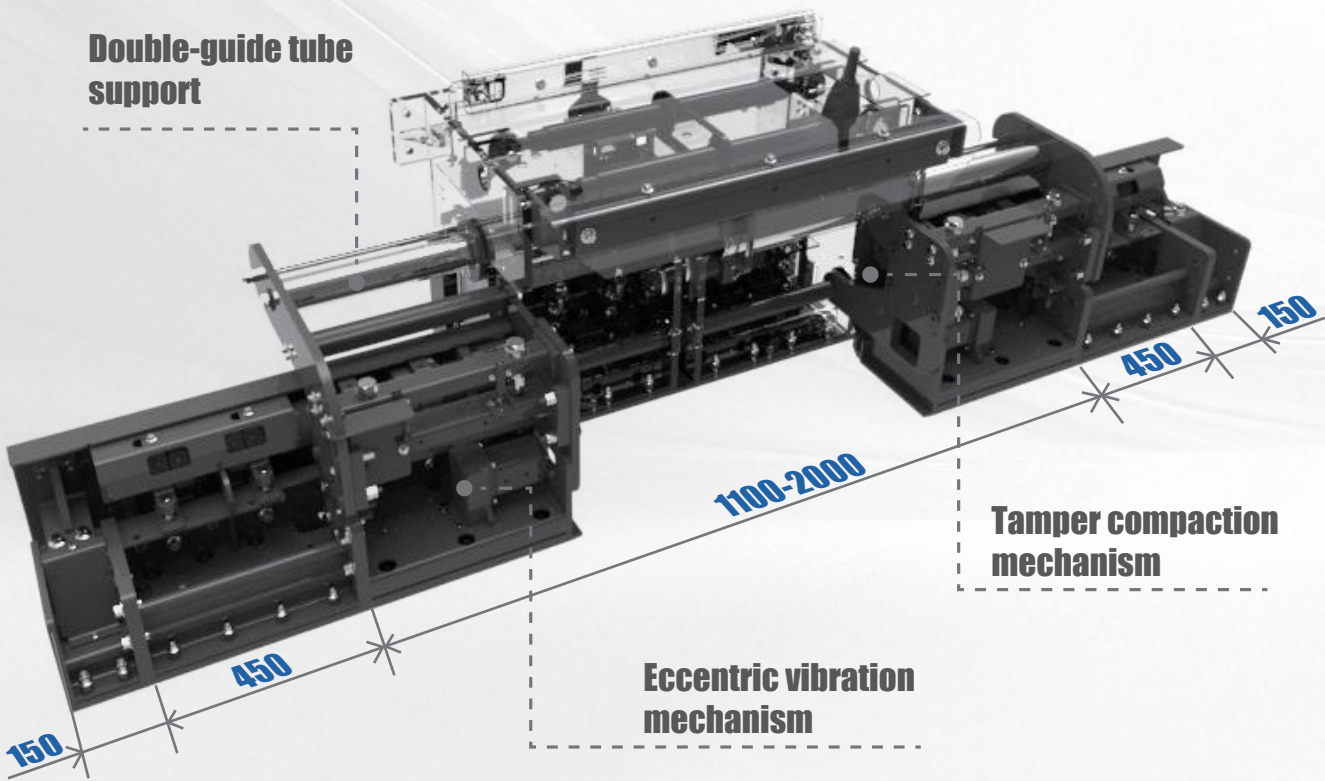
- Main control: 10.1" large touch screen display, more intuitive and easy to operate.
- Side control: Integrated simple side control box, hand-held for easier function control.



Superb working performance

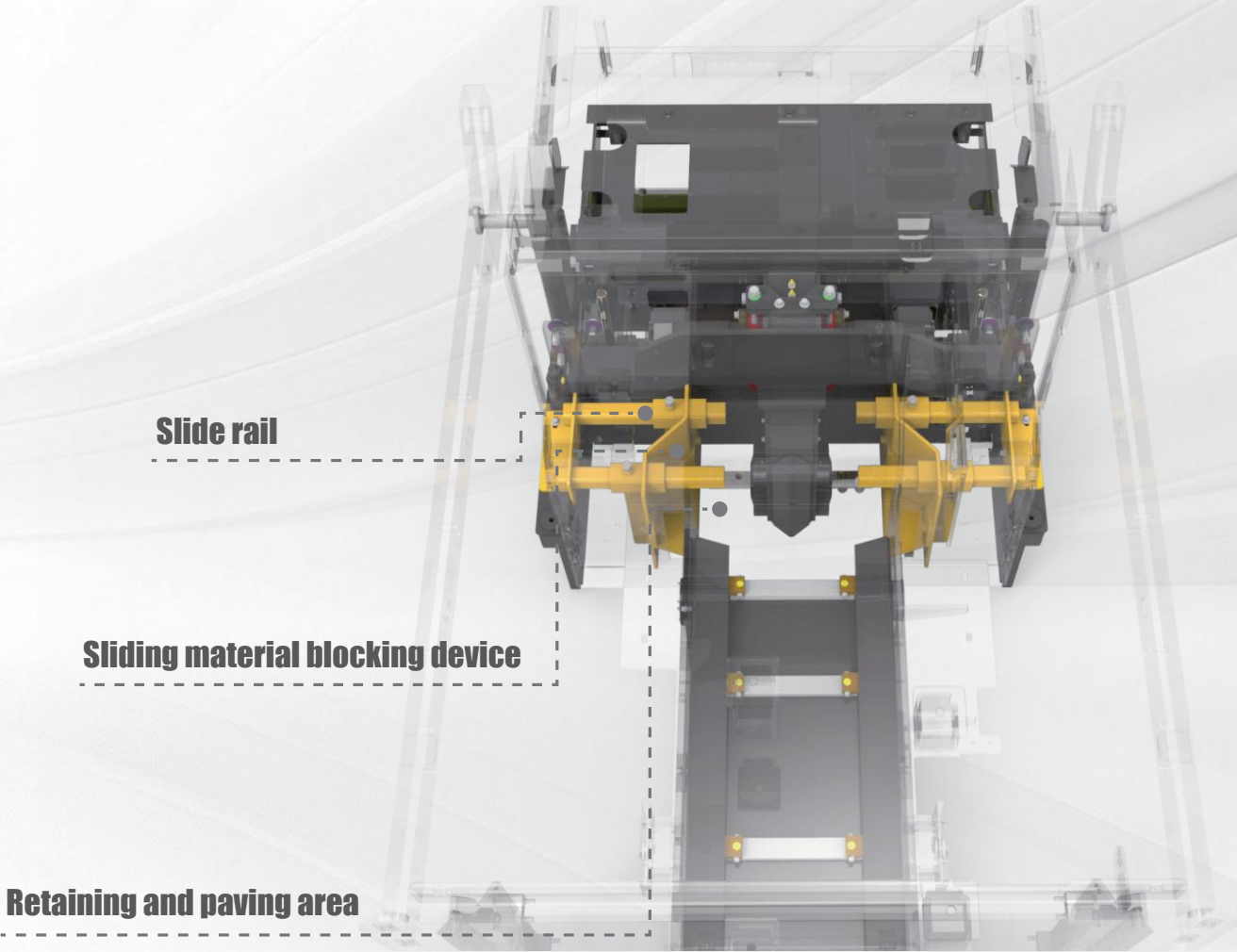
Screed

- The double-guide tube extension mechanism has improved anti-deformation capacity by 30% ; With tamper + vibration compaction mechanism, achieves higher paving quality.



Reduction shoe (optional)

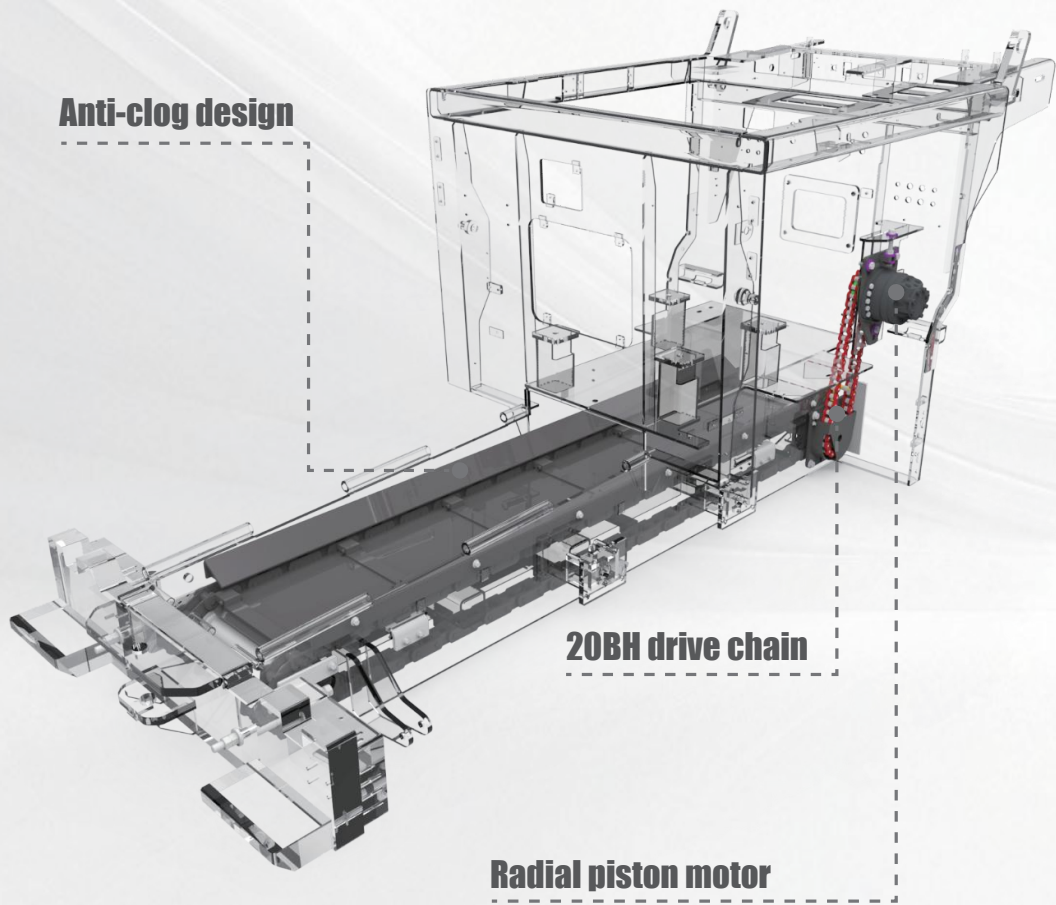
- With reduction shoe device, the minimum paving width can be up to 0.5m.



Superb working performance

Conveyor system

- Large torque radial piston motor is adopted for the conveyor drive, and the conveying driving force is increased by 28%. Prevent material from being stuck, especially suitable for paving high-viscosity bitumen.



Hopper

- The hopper wing is designed to have multiple folding positions for easy feeding. The hopper can be folded unilaterally, which is suitable for construction against the wall.



Easy to Service

Maintenance

- The replacement of wearing parts and the service of parts are more convenient, simple, time-saving and labor-saving.

No welding stud base plate

Buckle design, easy to assemble and disassemble

Operation frame can be lifted

Convenient screed repair

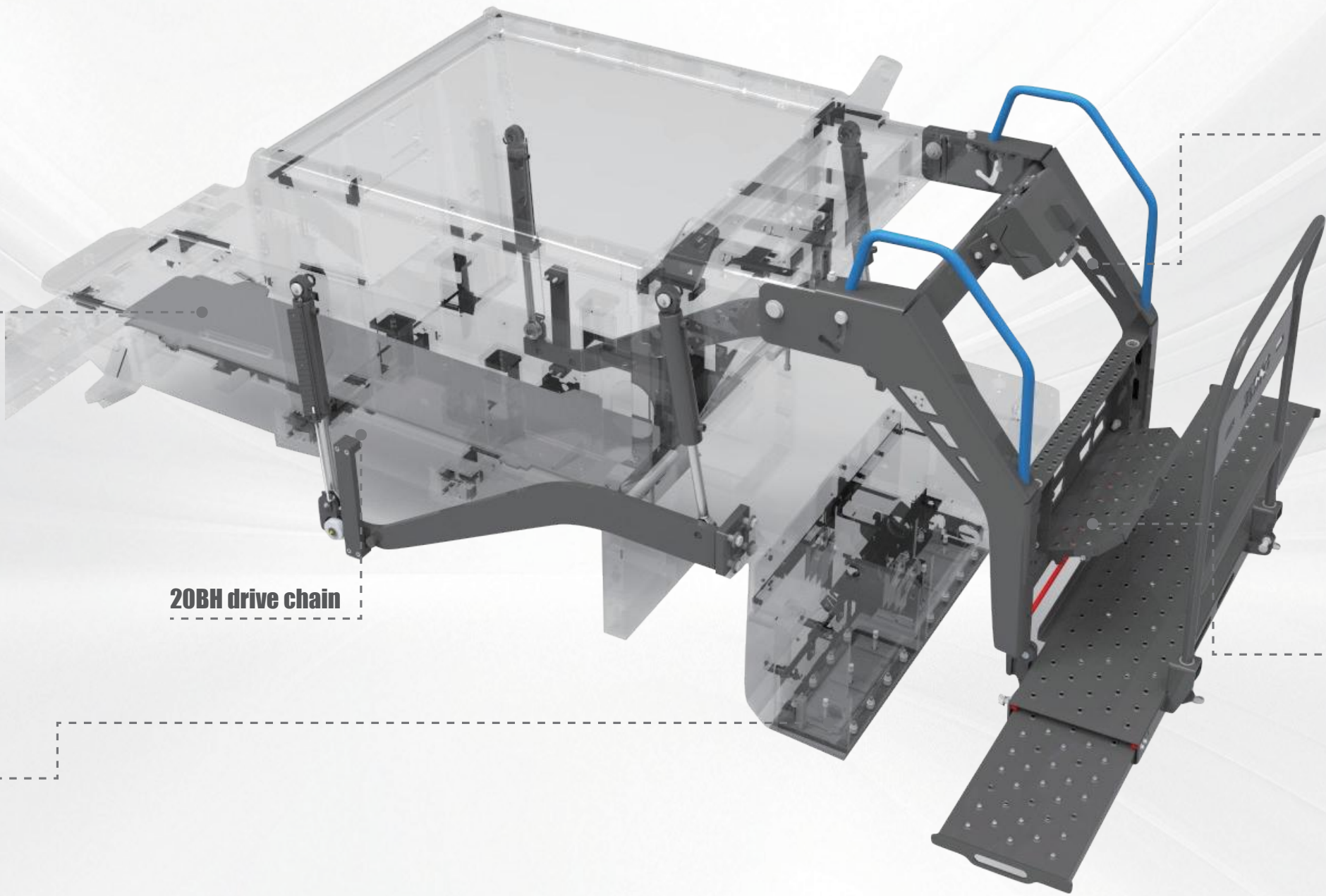
20BH drive chain

Integrated base plate

Higher overall strength and easy to replace

The pedal can be folded

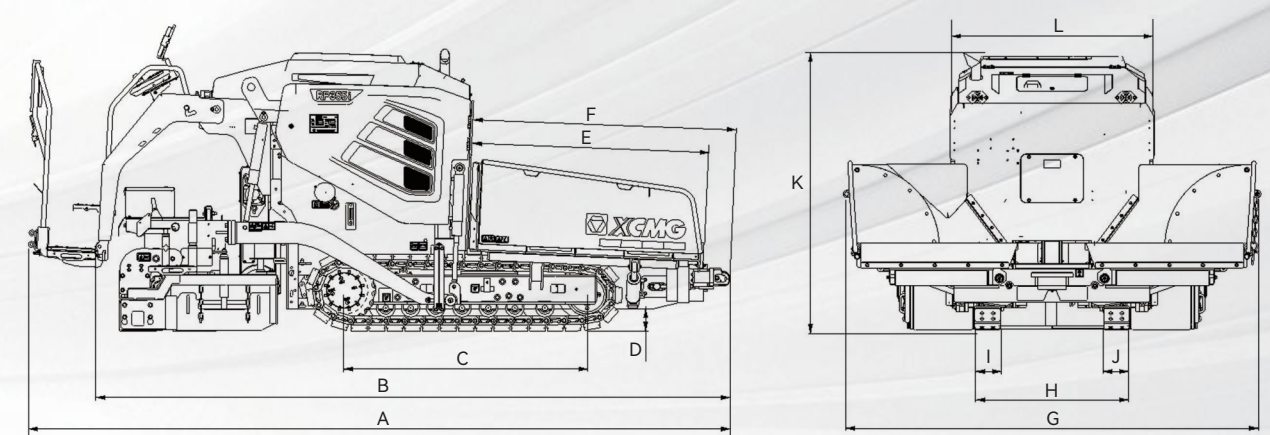
Reduce the length of the complete machine and facilitate transportation



Main Technical Parameters

Items	Unit	Performance Parameters	Remarks
		RP355i	
Basic paving width	m	1.1~2.0	
Max. paving width	m	3.2	
Max. paving thickness	mm	200	
Working speed	m/min	0~30	
Travel speed	km/h	0~3.6	
Theoretical productivity	t/h	300	
Hopper capacity	t	5.8	
Gradeability	%	20	
Evenness	mm/3m	3	
Crown adjustment range	%	-2~+4	
Diesel engine power	kW	55.4	
Diesel engine speed	r/min	2200	
Conveying speed	m/min	0~25	
Distributing speed	r/min	0~70	
Tamper speed	r/min	0~1500	
Vibration frequency	Hz	0~50	
Overall dimension	mm	4910×1450×1980	
Total weight	t	7.5	
Diesel tank volume	L	100	
Hydraulic tank volume	L	80	

Appearance And Dimensions



Model	A	B	C	D	E	F	G	H	I	J	K	L
RP355i	4910	4650	1703	160	1650	1940	2910	1100	180	180	1980	1450