

SOLID TO SUCCEED



Paver

RP605



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RP605 paver is a construction equipment mainly used for the paving of various classified road pavements. With the abundant absorption of the advanced technologies and advantages from the foreign like products, this product adopts the independent left and right traveling drives and the nowadays world's most advanced technologies, including computer control technology of powerful protection function, ultrasonic level sensing, electronic automatic leveling, and malfunction self-diagnosis, to embody the characteristic of others' advantages. This product is installed with hydraulically telescopic single-tamper pulse-vibration electric-heated screed and has reached the presently domestic leading technologic level. The critical supporting parts of this machine adopt imported products to realize the manufacturing quality and reliability level of like imported products. This machine is an ideal equipment for paving of road asphalt concrete materials.



Main Performance And Characteristics

1 Power system

- DCEC QSB4.5-C160 diesel engine (EUIII) is used as configuration. The engine is powerful, mature and reliable. The engine is advanced in technology and utilizes the most advanced electronic control single high-pressure oil pump structure, good diesel atomization effect, low fuel consumption; Using the supercharging technology, the average effective pressure of diesel engine is increased, the fuel economy of diesel engine is improved, and the emission of harmful waste gases is reduced. Equipped with a one-piece composite tank, the structure is compact and the pipe connections are reduced to reduce the failure rate.

2 Traveling System

- The traveling drive system of this machine adopts the left and right independent full-hydraulic drives, with the paving speed continuously adjustable within 0~27m/min. The computer control technology and the constant-speed automatic control technology are applied for the traveling drive control of this machine to, by means of closed-loop control, accurately control the paving speed regardless of the influence of external load variation and maintain the constant working speed within 0.5% accuracy error. In addition, the computer control system can accurately control the speeds of the tracks on two sides to guarantee the linear driving performance and steering smoothness and completely meet the construction needs.

3 Conveyance/Distribution System

- The conveyance/distribution system is composed of electronically controlled variable displacement plunger pump, hydraulic motor, conveyance/distribution box, chain drive, conveyance scraper, and distribution worm. The conveyance/distribution hydraulic drive system adopts opened-loop circuit and electrohydraulic proportional control, featuring high control accuracy, stable performance, and reliable working. The ultrasonic level sensor is installed to realize automatic control of conveyance/distribution system.

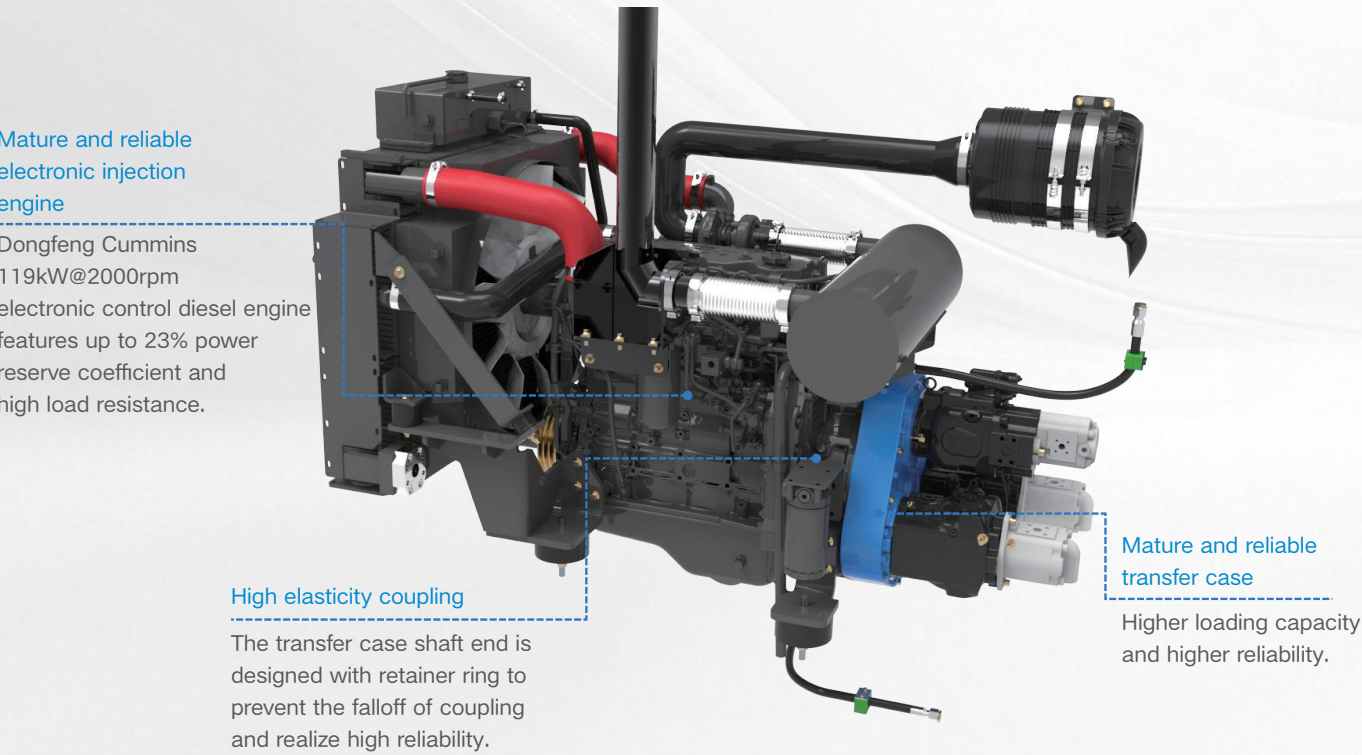
4 Screed System

- The ES2360 telescoping screed is installed. The basic width is 2.3m and the extended width is 6m. Featuring remarkably easy operations, it's especially suitable for the medium and small projects and for the applications with large road width variation.



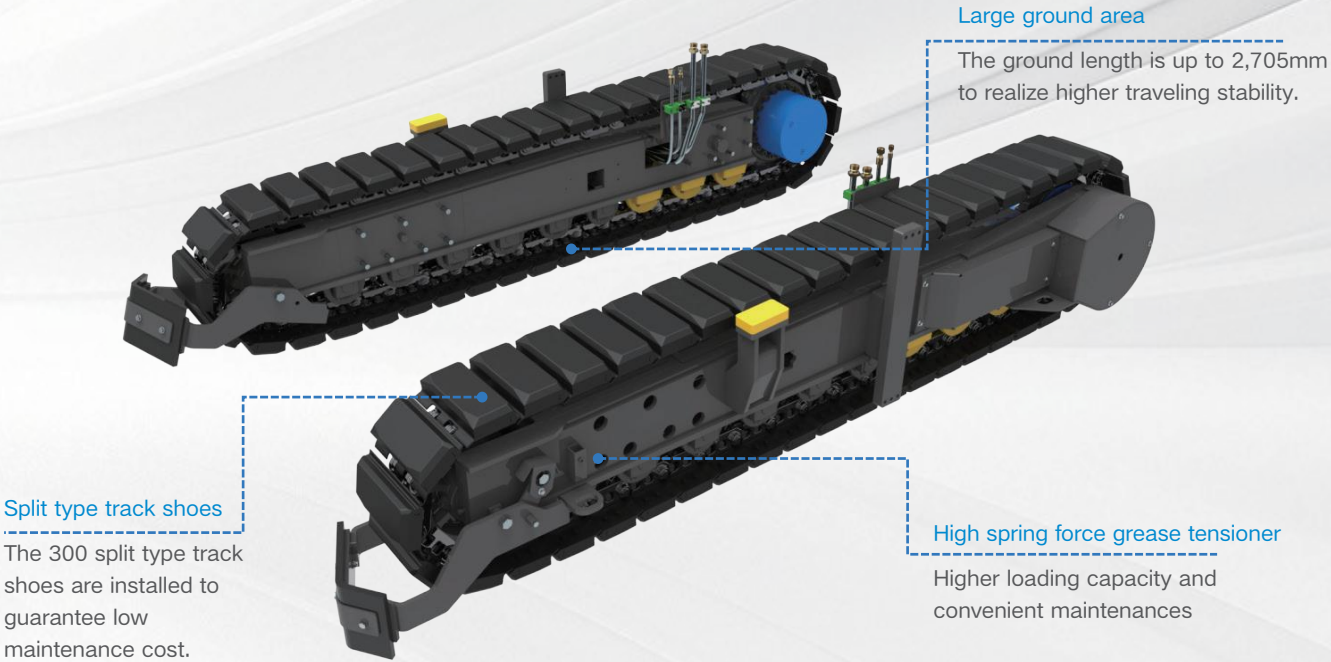
Main Characteristics

- The left and right independent traveling drives are applied, the computer control is utilized, and the constant-speed automatic control technology is adopted for the paving speed.
- The ultrasonic sensing control technology is applied for the left and right auger devices.
- The leveling system adopts the electronic automatic leveling technology to effectively improve the road evenness.
- The hydraulically telescopic screed is applied with single-tamper, pulse-vibrating, and electric heating technology to ensure environmental-friendliness and prolong the lives of screed base-plates.



Main Characteristics

- The centralized lubrication system can supply oil manually and uniformly to the bearings at high temperature portions at periodical intervals.
- The distribution vanes are made of wear-resistant alloy.
- The control console can visually display all working functions and paving/traveling speeds and can be installed on either left or right side.
- The machine boasts the advantages of high automation level, simple and easy operations, good construction quality, and high working efficiency.



Conveyance/Distribution System

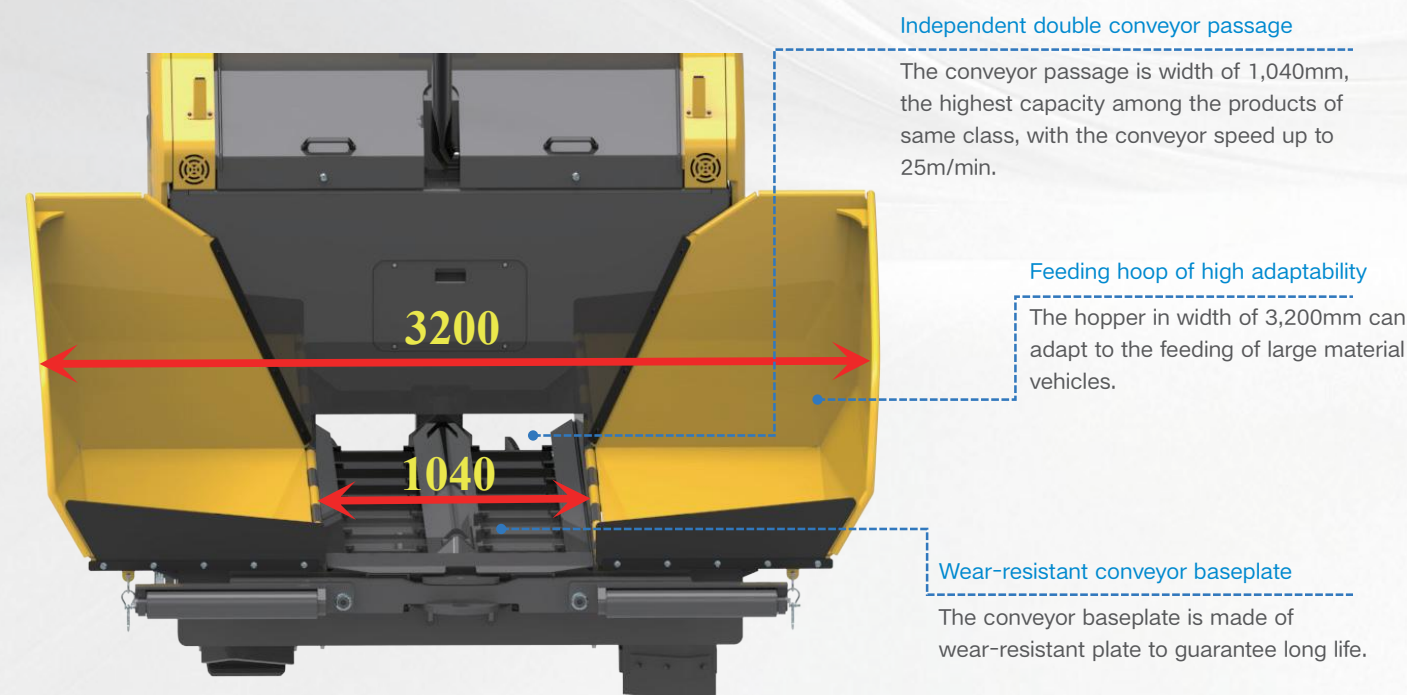
- With the conveyance speed at 0~25m/min and the distribution speed at 0~92r/min, the speeds can be manually adjusted by the knobs on the control console and can also be automatically controlled by the ultrasonic level sensor directly.

The distribution vanes are in large diameter of 360mm and in pitch of 280mm to remarkably improve the distribution capacity. It boasts the maximum actual productivity among the domestic like products. The large-diameter large-pitch vanes are applied to remarkably reduce the actual distribution speed and thus greatly reduce the material segregation problem, which is non-comparable by the like products.

For high paving thickness, to ensure more reasonable distribution function, save the distribution drive power, and reduce the wear of distribution vanes, the high ground clearance of distribution worm is designed to ensure the non-obstructed distribution chute.

To relieve the labor strength and improve the working reliability of conveyance/distribution system, this machine adopts centralized lubrication system. Once the paving conveyance/distribution system starts working, all portions requiring lubrication can be automatically lubricated by fixed volume to solve the manual lubrication difficulty of high temperature bearing portions for conveyance/distribution system.

With the feeding height at approximately 600mm, the hopper features strong adaptability and is suitable for the material lorries of diversified specifications.



Performance Comparison - Traveling Performance

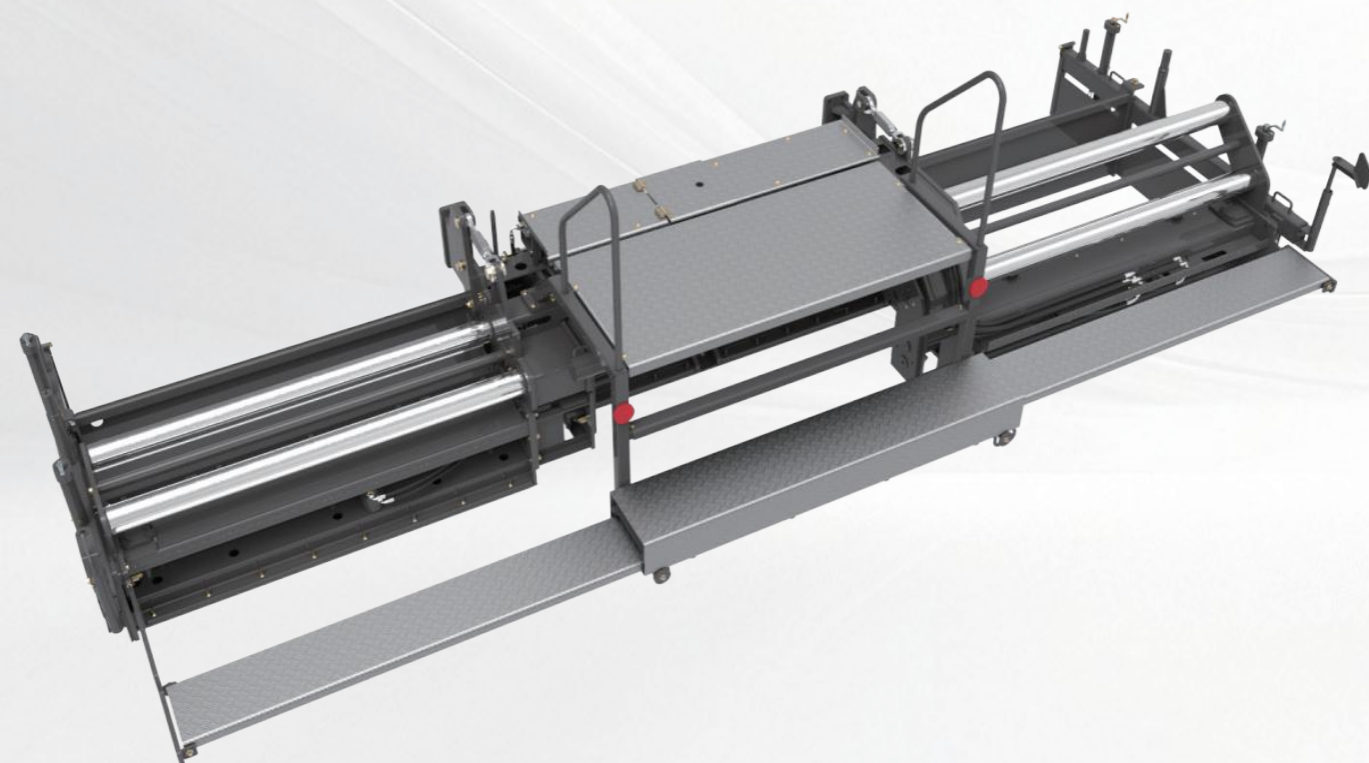
- With 17° approach angle, RP605 is easy to drive on or off the flat-bed truck. The tracks are in ground length of 2,705mm to realize high traveling stability and excellent paving quality.

With small approach angle, RP605 is easy to drive on or off the flat-bed truck, requiring no use of cushion blocks by manual force. The long tracks realize higher traveling stability and excellent paving quality.



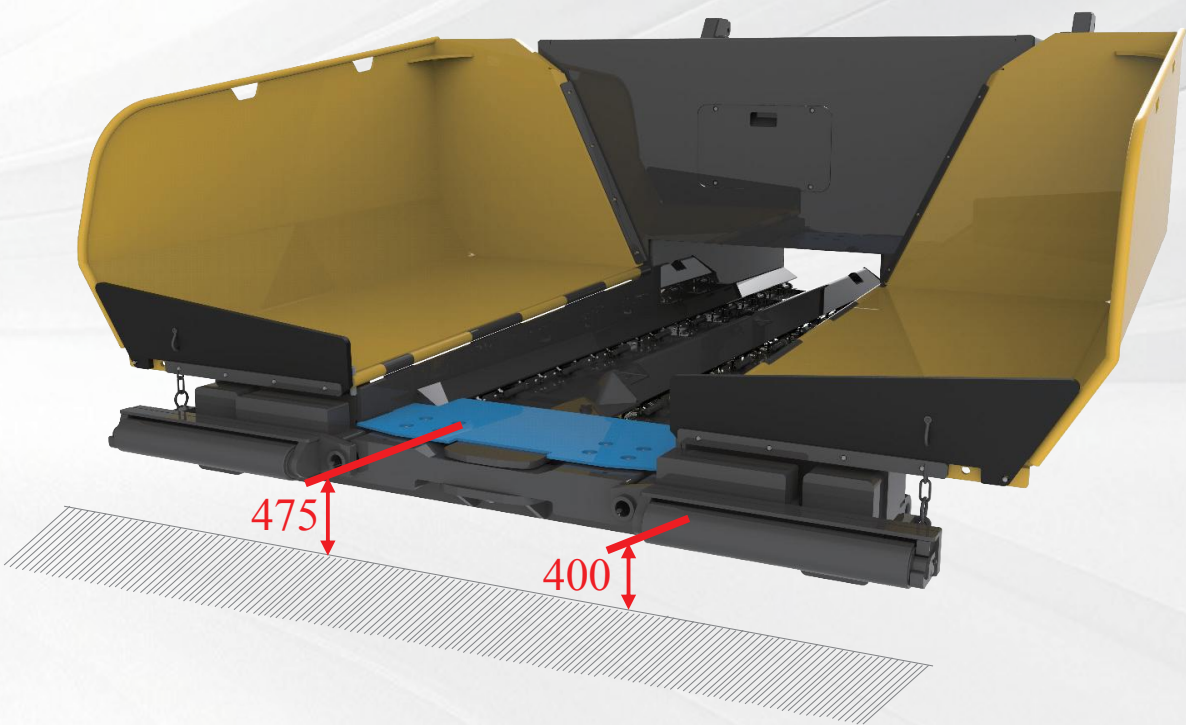
Three-Stage Full-Telescopic Screed (Standard equipment)

- Time-saving and labor-saving camber adjustment
The one-touch electro-hydraulic camber adjustment saves time and labor, requiring no manual adjustment.
- Convenient and fast step adjustment
One-touch electro-hydraulic step adjustment guarantees convenient adjustment.
- Short construction preparation
The 2.3m~6m stepless telescoping requires no disassembling or installation of extension or accessory. The machine width, including the accessory, is no more than 2.55m to allow the free transport.



Lower feeding height

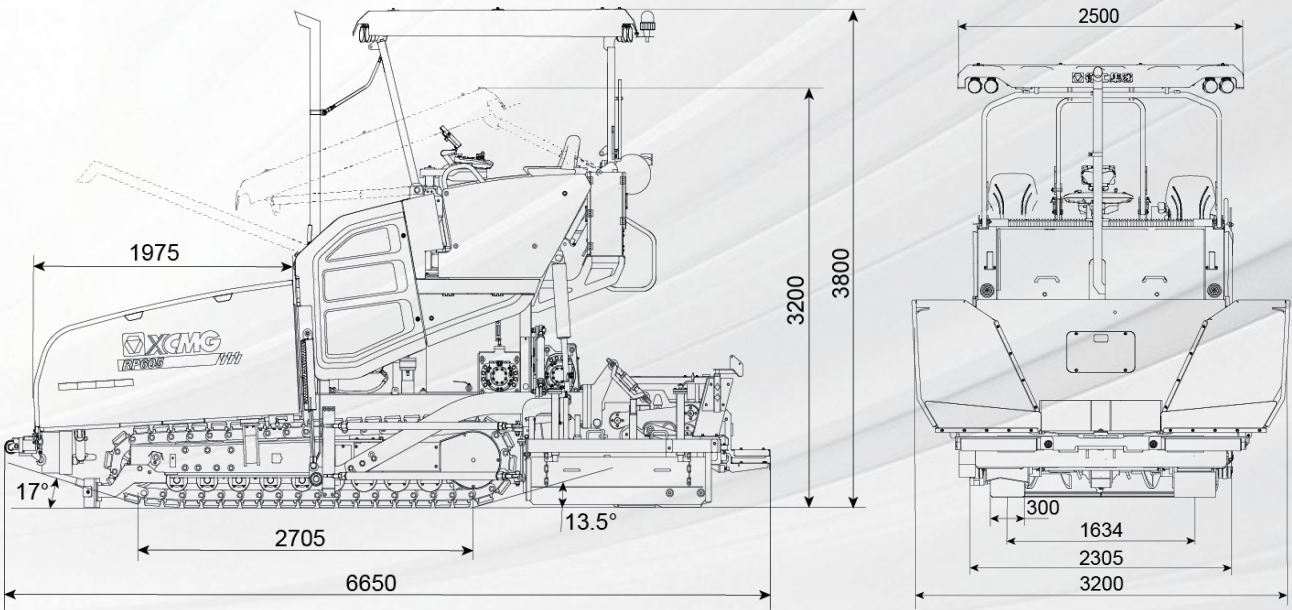
- With lower feeding height, this machine can adapt to the docking and feeding of double-tank material vehicles in Thai market.



Main Technical Parameters

No.	Item	Unit	Performance parameter (For ES2360)	Note
1	Basic paving width	m	2.3	-
2	Maximum paving width	m	6	-
3	Maximum paving thickness	mm	300	-
4	Working speed	m/min	0~27	-
5	Traveling speed	km/h	0~4	-
6	Theoretic productivity	t/h	600	-
7	Hopper capacity	t	12	-
8	Gradeability	%	20	-
9	Camber adjustment range	%	0~+3	-
10	Power of diesel engine	kW	119	-
11	Diesel engine speed	r/min	2000	-
12	Material distribution speed	r/min	0~92	-
13	Material conveyance speed	m/min	0~25	-
14	Tamper speed	r/min	0~1500	-
15	Tamper amplitude	mm	4	-
16	Overall dimensions	mm	6650×2305×3800	Top shed width is 2500
17	Overall weight	t	16.8	-
18	Capacity of fuel tank	L	185	-
19	Hydraulic oil tank capacity	L	200	-

Appearance and Dimensions



Optimum services , XCMG Guaranteed



Cummins engine



Genuine parts



Extension of warranty



Financial solutions



Maintenance contract



Telematics



Monitoring systems

Professional Integrated Complete Solutions

XCMG group has built a strong reputation based on the quality, reliability and durability of its construction machinery.What's more, XCMG has gradually established a service network to constantly provide its local integrated and highly efficient complete solutions for all users.

Full range of services ready for you

In order to respond to your needs as fast as possible, XCMG experts are on their way to your job site from one of our facilities near you. Full range of servivices are available in order to reduce your total cost of ownership and increase your revenue.

XCMG Global Spareparts System

XP305S Pneumatic Tire Roller

XP305SPNEUMATIC-TYRED ROLLER

XP305SPNEUMATIC-TYRED ROLLER

BACK DRUM

FRONT DRUM

GAS-ROUTE SYSTEM

TRANSMISSION SYSTEM

BODY ASSEMBLY

HYDRAULIC SYSTEM

OPERATING SYSTEM

ENGINE SYSTEM

SPRINKLER SYSTEM

DRIVER'S CAB ASSY

CAB ASSEMBLY

CONTROL BOX

CONTROL BOX ELECTRIC

ELECTRIC SYSTEM

SCRAPER SYSTEM

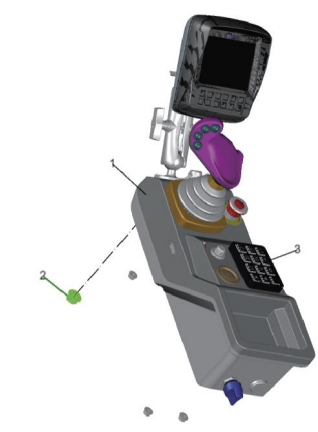
SHIELD FOR DIESEL ENGINE

OIL DRAIN SYSTEM

AC SYSTEM

MOUNTING ASSEMBLY

OIL SPILL SYSTEM



225704540 CONTROL BOX

Number	Material Encoding	Name	Quantity	Handle
1	225704532	CONTROL BOX STRUCTURE	1	
2	895238400	NUT M6	4	
3	225704541	CONTROL BOX ELECTRIC	1	

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PRODUCT DEBUGING

PRODUCT MONITOR

SERVICE SUPPORT

STATISTICAL

RESOURCE MANAGE

AUTHORITY MANAGE

SYSTEM MANAGE

APP MANAGE

APP USER MANAGE

EQP LINK APPROVAL

EQP TRANSFER APPROVAL

REPAIR ORDER

25438

233

390

2907.3

0

0

Number of network equipment

Amount of work yesterday

Amount of work now

Working hours yesterday

Access network today

Number of equipment fault alarms now

Overall OIL

30-day Data

Operating rate

Monthly Distribution of operating rate

Monthly average working hours of main models

Monthly workload of main models

Satellite

Full Screen

Map of China with equipment locations

XP305S Pneumatic Tire Roller

XP305SPNEUMATIC-TYRED ROLLER

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BACK DRUM

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SPRINKLER SYSTEM

DRIVER'S CAB ASSY

CAB ASSEMBLY

CONTROL BOX

ELECTRIC SYSTEM

SCRAPER SYSTEM

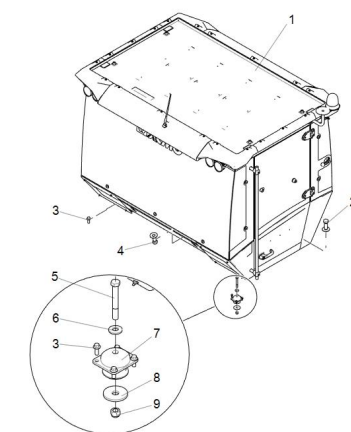
SHIELD FOR DIESEL ENGINE

OIL DRAIN SYSTEM

AC SYSTEM

MOUNTING ASSEMBLY

OIL SPILL SYSTEM



225704748 DRIVER'S CAB ASSY

Number	Material Encoding	Name	Quantity	Handle
1	225704791	CAB ASSEMBLY	1	
2	895096280	BOLT M16*45	9	
3	895094763	BOLT M10*25	16	
4	895048571	BOLT M16*30	2	
5	895046668	BOLT M16*120	4	
6	895391377	WASHER 16	15	
7	228901569	SHOCK CABSORBER	4	
8	229000495	BIG FLAT PLATE	4	
9	895238158	NUT M16	4	