



# RP603L

## PAVER

摊铺机

RP603L paver is the first full-hydraulic medium 3 series wheeled paver released by XCMG. This machine adopts full-hydraulic drive and electro-hydraulically automatic control, featuring advanced technologies and reliable performance. It's extensively applied for the large scope paving operations, including sidewalks, non-motorized vehicle lanes, urban roads, and small roads. With the paving width continuously adjustable from 2.5m to 6.0m, it's especially suitable for the maintenances of classified highways.

RP603L摊铺机是徐工推出的首台全液压中型3系轮式摊铺机；整机采用全液压驱动和电液自动控制，技术先进，性能可靠；广泛适用于包括人行道、自行车道、城市道路及小型道路等大面积的摊铺施工。它摊铺宽度为2.5米到6.0米无级可调，因而尤其适用于等级公路的养护施工。

## Performance Characteristics / 性能特点

- With 2.5m~6.0m paving width and high transfer mobility, this intelligent wheeled paver better meets the construction needs of sidewalks, urban communities, and lanes.
- This machine is applied with full-hydraulic axle-driven automatic differential drive system and rear four-wheel drive mode, featuring good maneuverability, high contact area, and strong adhesion.
- This machine is powered by Shanghai SC4H water-cooled engine (103kw/2200rpm) with high pressure common rail technology and China-III emission compliance. The all-new diesel engine management system is installed to realize abundant power reserve, good economy, low noise, and long life.
- The hydraulic system adopts the electro-hydraulically proportional control technology and independent conveyance/distribution drives to realize efficiency and quick power output and guarantee the system reliability.
- The spacious design of 13t hopper can always store sufficient material. The feeding interface can adapt to the material lorries of diversified tonnages.
- The electronic control system is designed on the basis of CAN bus technology to develop the network control system of multi-CPU control technology and excellent human-machine interfaces.
- The automatic leveling device is applied to accurately control the paving thickness and gradient and meet the specification requirements of high-grade highways, with the longitudinal evenness controlled at 3mm/3m and the lateral gradient controlled within 0.02%.
- The machine boasts the advantages of high automation level, simple and easy operations, good construction quality, and high working efficiency.
- 机器智能化，2.5米到6.0米的摊铺宽度和轮胎摊铺机的转场灵活性，很好的满足了人行道、城镇小区和巷道的施工作业；
- 采用全液压桥驱自动差速传动系统，后四轮轮胎驱动方式，操控性好、接触面积大、附着力强。
- 柴油机选用上柴SC4H水冷发动机（103kw/2200rpm），采用高压共轨技术，排放达到国III标准，配备全新的柴油机管理系统，功率储备充足，经济性好，噪音低、寿命长。
- 液压系统采用了电液比例控制技术，输分料独立驱动，使动力输出高效、快捷，保证了系统可靠性。13t的料斗设计宽大，能够始终储存足够的材料。受料接口能够适应不同吨位的料车。
- 电控系统设计是以CAN总线技术为平台，开发具有多CPU控制技术的网络控制系统，且具有良好的人机交互界面。
- 采用自动找平装置可以很精确地自动控制摊铺厚度和坡度，使纵向平整度达到3mm/3m，横向坡度在0.02%范围内，达到高等级公路的规范要求。
- 整机具有自动化程度高，操作简单方便，施工质量好，作业效率高的优点。





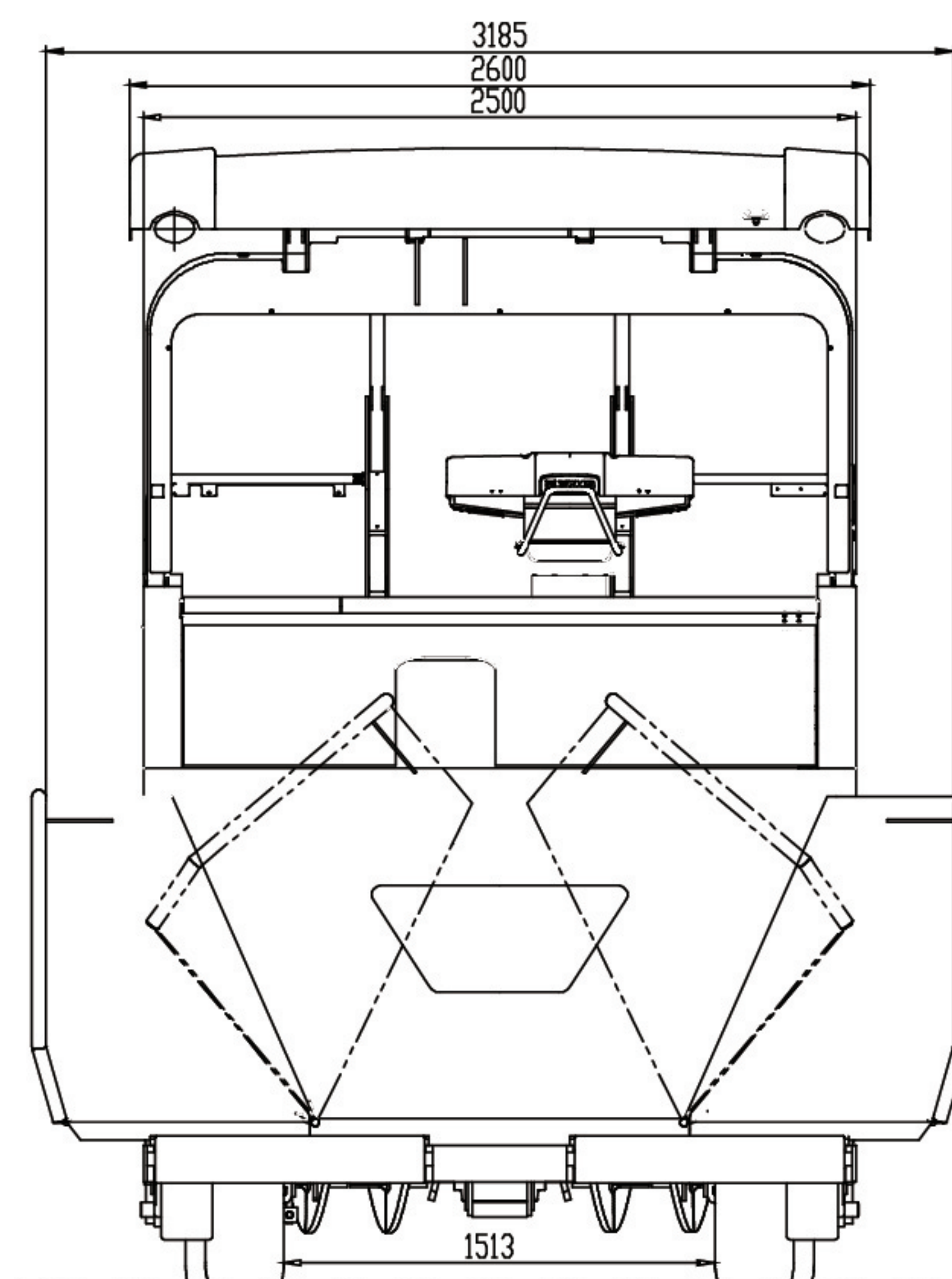
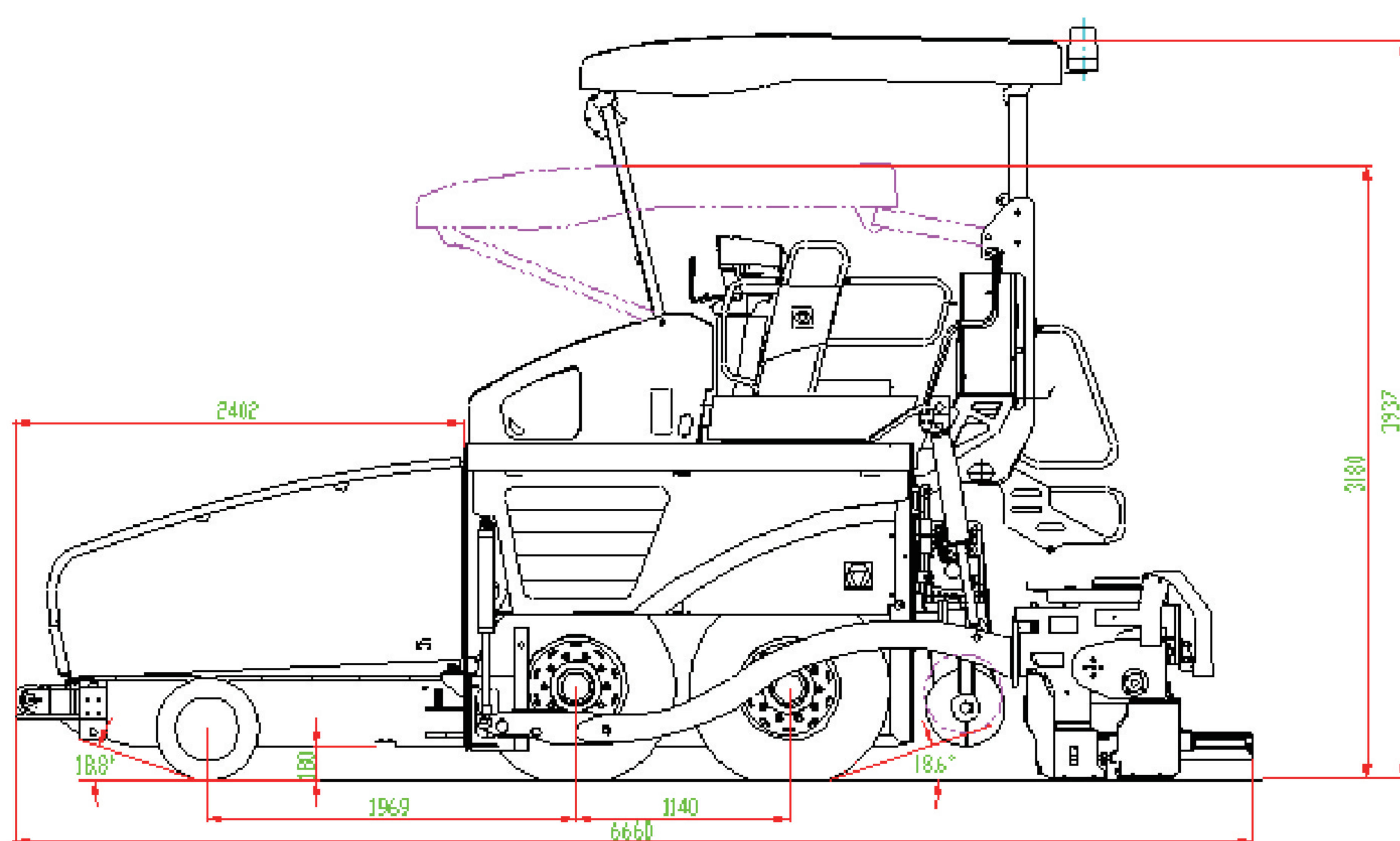
# RP603L

## PAVER

摊铺机

### Main Dimensions

主要尺寸



### Main Specifications

主要技术参数

项目 Item	项目	单位 Unit	RP603L
Basic paving width	基本摊铺宽度	m	2.5 ~ 4.75
Maximum paving width	最大摊铺宽度	m	6.0
Maximum paving thickness	最大摊铺厚度	mm	260
Working speed	工作速度	m/min	0 ~ 15
Traveling speed	行驶速度	km/h	0 ~ 15
Theoretic productivity	理论生产率	t/h	400
Hopper capacity	料斗容量	t	13
Gradeability	爬坡能力	%	20
Evenness	平整度	mm/3m	2
Camber adjustment range	拱度调节范围	%	-1 ~ 3
Power of diesel engine	柴油机功率	kW	103
Diesel engine speed	柴油机转速	rpm	2200
Material conveyance speed	输料速度	m/min	0 ~ 28
Material distribution speed	分料转速	r/min	0 ~ 75
Tamper speed	振捣转速	r/min	0 ~ 1500
Tamper travel	振捣行程	mm	4
Overall dimensions	外形尺寸	mm	6660 × 2600 × 4000
Transport dimensions	运输尺寸	mm	6435 × 2600 × 3180
Overall weight	整机重量	t	16.5
Maximum working mass	最大工作状态质量	t	17.5
Capacity of fuel tank	柴油箱容积	L	180
Hydraulic oil tank capacity	液压油箱容积	L	200