Ref. RP505_DS_EN_V2026.01

RP505



RP505

Paver

RP505 is a tracked paver with compact dimensions for high traffic ability, with reinforced E1834T hydraulic extending screed with electric heating function and single tamper unit, a specially designed 250 bolt-on extension, its maximum working width reaches up to 5.0m. The machine features high mobility, excellent operation capacity and high construction efficiency, which is the preferred product for pavement, bicycle path, rural road maintenance and high-grade road paving operation.

RP505 Paver

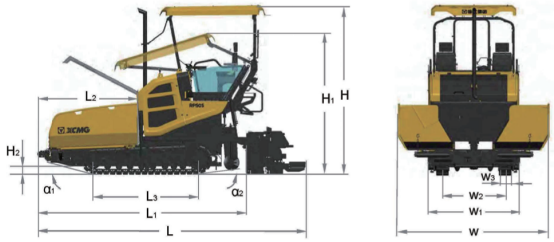
Performance and characteristics

- Downsized machine structure, installing cut-off shoes for achieving 0.8m minimum paving width, suitable for maintenance construction of milled trench.
- Independent drive for left and right auger, one-touch height operation for auger frame.
- 104kW high-power diesel engine, with superior load resistance, optimal power matching reduces fuel consumption and noise emission.
- Independent left/right hopper wings control, allow convenient asymmetric paving.
- With closed-loop control of fully hydraulic travel drive and extended track design, which brings high traction ability.
- Centralized lubrication system requires no manual lubrication.
- Diesel oil spraying system is more convenient for cleaning before and after construction.
- Special designed of stud-free feeding base plate, allow quick and convenient replacement of wearing parts.

Main dimensions

Unit: mm

Model	L	L1	L2	L3	W	W1	W2	W3	H	H1	H2	α1	α2	Remarks
RP505	5864	4540	2240	2281	3212	1940	1332	260	3707	3106	180	16.4°	20°	E1834T
	6270	4540	2240	2281	3212	1940	1332	260	3707	3106	180	16.4°	20°	ES1845



Main specifications

Item	Content	Unit	RP505
Basic parameters	Basic paving width	m	1.8-3.4
	Max. paving width	m	5
	Max. pave thickness	mm	280
	Max. paving speed	m/min	28
	Max. drive speed	km/h	4
	Maximum theoretical productivity	t/h	400
	Max. gradeability	%	20
Engine	Manufacturer	-	Cummins
	Model	-	QSF3.8
	Emission	-	EC Stage III
	Fuel	-	Diesel
	Rated power	kW	104
	Rated speed	rpm	2000
Crawler	Grounding length	mm	2281
	Track width	mm	260
Conveyor	Hopper capacity	t	12
	Scraper numbers	-	2
	Scraper speed(maximum)	m/min	27
Auger	Speed(maximum)	rpm	90
	Diameter	mm	340
Electrical system	Battery voltage	V	24
Weight	Tractor weight	t	9.5
	Operating weight	t	12
	Total weight	t	13
Noise	Sound pressure level LPA at the operator ears	dB(A)	90
	Emitted sound level	dB(A)	109
Main configuration	1. Cummins EC Stage III engine with 104kW; 2. E1834T hydraulic extending screed(electric heating, single tamper); 3. Standard intelligent control system; 4. MOBA leveling instrument/material level instrument; 5. Automatic centralized lubrication.		
Options	1. E340T bolt-on extension: 2×0.575m+2×0.25m, maximum paving width 5m. 2. E340T bolt-on extension: 2×0.575m, maximum paving width 4.5m. 3. E340T bolt-on extension: 2×0.25m, maximum paving width 3.9m. 4. Adapted ES1845 screed (1.8-4.5m) 5. Cut-off shoes device.		

Notes:
Specifications and configurations may vary depending on options and regional regulations. XCMG reserves the right to make changes to specifications without prior notice.

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