



SSR120C-10S SINGLE DRUM ROLLER



Efficient compaction

- ◆ Exiting force 280/178kN (competitor 255/155kN), higher compaction;
- ◆ Vibration wheel has 3 centers in 1(center of mass, exciting force, and geometry), deviation of the amplitude is less than 8%, better flatness.

Energy and fuel saving

- ◆ Intelligent load matching technology, comprehensive fuel consumption is 10% lower than competitor;
- ◆ Unique ECO energy-saving construction mode, fuel consumption as low as 9-12L/h.

Operator comfort

- ◆ A new generation of silent cab, only 80db;
- ◆ Standard 7inch touch LCD color screen+silicone button, Wraparound ergonomic control system;
- ◆ Industry's best cab vibration absorbing (vibration severity 1.3mm/s), not easy to fatigue.

Safety features

- ◆ Standard rear axle with high speed ratio, theoretical gradeability up to 65%;
- ◆ Optional 28mm deep tooth tires, optional electronic anti-slip function, improve rear wheel drive performance.

Technical specifications

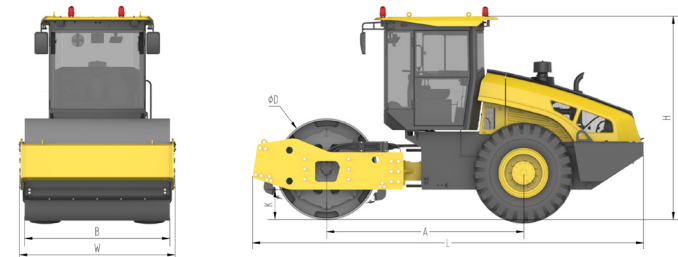
Model		SSR120C-10S
Weight and load	Operating weight (kg)	12400
	Weight at drum (kg)	6950
	Weight at rear axle (kg)	5450
	Drum static linear load (N/cm)	326
Compaction	Vibration frequency (Hz)	32/40
	Nominal amplitude (mm)	1.8/0.9
	Centrifugal force (kN)	280/216
	Drum diameter (mm)	1500
	Drum width (mm)	2130
	Drum edge thickness (mm)	25
Maneuver ability	Travel speed (km/h)	0 ~ 5
		0 ~ 6
		0 ~ 9
		0 ~ 12
	Theoretical maximum gradeability	65%
	Ground clearance (mm)	440
	Wheelbase (mm)	2940
	Steering angle (°)	± 35
	Swing angle (°)	± 12
	Min. turning outside diameter (mm)	11500
	Tires	23.1-26
Engine	Brand	DONGFENG CUMMINS
	Model	4BTAA3.9-C125
	Emission	Euro II
	Rated power (kW)	93
Capacity	Battery (V × Ah)	24 × 120
	Fuel tank (L)	200
	Hydraulic oil tank (L)	80

Standard configurations

Config.	Systems	Description	Qty	Details		Remarks
Standard confi.	Main machine	SSR120C-10S single drum roller, standard	1	1. Engine 2. Travel pump 3. Travel motor (Rear) 4. Travel motor (Front)	5. Vibration motor 6. Vibration pump 7. Steering pump 8. Reduction gears 9. Rear axle	
	Shed	Shed	1	Low cost		Optional
Optional confi.	Vibratory drum with welded pad foot	Drum with welded pad foot	1	Vibratory drum with welded pad foot, which cannot be removed, suitable for compaction of clay, semi-clay, rocks, gravels, expansive soil, and coal cinder base		Substitute smooth drums permissible
	Vibratory drum with assembled pad foot	Drum with assembled pad foot	1	Vibratory drum with assembled pad foot, which can be removed to form a smooth drum; suitable for compaction of clay, semi-clay, rocks, gravels, expansive soil, and coal cinder base		Optional

Dimensions

Size code	SSR120C-10S
A(mm)	2940
W(mm)	2285
L(mm)	5785
D(mm)	1500
H(mm)	3000
B(mm)	2130
K(mm)	440



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The product configuration (including technical parameters) is subject to change and the delivered actual machine without notice.

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