



## YZ26 VIBRATORY ROLLER SPECIFICATIONS

- Hydrostatic travel and vibration drive, stepless speed regulating.
- Double frequency & Double amplitude, and super centrifugal force, creates strong compacting effect
- Reasonable configuration, reliable performance, and high working efficiency hydraulic components
- Operator's station is designed for comfort and safety. Fully-adjustable, suspension-mounted operator's seat.
- Equipped with electronic monitor& digital density device, dynamic monitor compacting condition

Overall Dimension		
1	Length	6540mm
2	Width(to outside of wheels) )	2466mm
3	Height(To the top of the cab)	3385mm
4	Wheel base	3220mm
5	Length	1665mm
6	Min. ground clearance	456mm

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<b>Main Technical Specification</b>			
1	Static line force		782N/cm
2	Dynamic line force		2755 N/cm
3	Operating weight		26000kg
4	Big centrifugal Force	Low frequency	27HZ
		High amplitude	2.1mm
	Small centrifugal Force	High frequency	31HZ
		Low amplitude	1.1mm
5	Total stress force		77600(kg)
6	Static Weight at Drum		17000kg
7	Static Weight at Tires		9000kg
8	Min. turning radius(Outside of rear wheel)		7000mm
9	Dimension of smooth drum	Drum diameter	1600mm
		Drum width	2150mm
		Drum thickness	50mm
12	Traveling speed(Km/h), 3 forward & 3 reverse		
	(1) 1st gear (F/R)		0 ~ 3.9
	(2) 2nd gear (F/R)		0 ~ 5.36
	(3) 3rd gear (F/R)		0 ~ 9.56
13	Gradient capacity 爬坡度		45%
<b>Diesel engine</b>			
1	Model	Shangchai engine C6121ZG19	
2	Type	Direct injection, turbocharged, water cooling	
3	Rated output	162kW	

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4	Total exhaust of cylinder	9.726 (L)
5	Rated speed	2200(r/min)
6	Max. Torque	$\geq 843$ (N.m)
7	Starting type	Electric
8	Min. specific fuel consumption	235(g/Kw.h)
9	Net weight	960(Kg)
<b>Driving System 驱动系统</b>		
1	Model	Hydrostatic travel and vibration drive
2	Type	Drive pump +drive motor + reducer
3	Model of drive pump	90R100
4	Model of vibration driving motor +reducer	51D110+GFT26T2
	Ratio of reducer	62
5	Model of rear driving motor	51C110
6	System pressure	42MPa
<b>Axle and Tire</b>		
1	Model of axle	DANA193/67 (made in German)
2	Type of main reducer	Hypoid bevel gear, single stage
3	Gear ratio of main reducer	7.167
4	Type of final reducer	Single stage planetary 单级行星齿轮
5	Gear of ratio of final reducer	6
6	Dropbox ratio	1.524
7	Total ratios	65.532

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7	Size of tire 轮胎尺寸	23.1-26-12PR
<b>Working Device Hydraulic System</b>		
1	Model of vibratory pump	90R075
2	System pressure	420(kgf/cm <sup>2</sup> )
3	Model of vibratory motor	90M075
<b>Steering System</b>		
1	Type	Middle articulated frame. Full-hydraulic Steering
2	Model of steering pump	SNP3/26
3	Model of Redirector	BZZ1-E630C
4	System pressure	16MPa
5	Dimension of steering cylinder	Φ90*45*280(mm)
<b>Brake System</b>		
1	Type of traveling brake	In general, traveling brake depend on static hydraulic tow of close-circuit hydraulic system  Vibratory reducer with brake which control by a solenoid valve.
2	Type of parking brake	Uderpressure brake ( automatic )
<b>Oil Capacity</b>		
1	Fuel(diesel)	300 (L)
2	Engine lubricating oil	27.5 (L)
3	Oil for hydraulic system	170(L)
4	Oil for driving axles ( F/R )	26 (L)
5	Oil for vibrating drum	3.2(L)