



Single Drum Vibrating Roller

Description of Single Drum Vibrating Roller

R220C、R218C、R216C、R214C、R212C、R210C heavy duty single drum vibrating roller effect powerful centrifugal force and great static linear load, They are suitable for non-cohesive materials, such as sandy soil, gravel, crushed stones, rock fillings and slightly cohesive soil, gravel, crushed stones, rock fillings and slightly cohesive soils, designed for large foundation constructions such as high-class highways, mines, airports, harbors, railways and industrial areas etc.

Main Features of Single Drum Vibrating Roller

1. Mechanical travel drive double amplitude, hydraulic vibration and steering with optimal function/price ratio and reliable performance.
2. Reliable D6114 or YC6108 diesel engine for convenient operation and maintenance.
3. Two sets of brake devices, a hand brake and foot pedal brake, assure the single drum vibrating roller safety and dependability.
4. Spacious and comfortable cab mounted on top quality rubber damping elements.

Address: Room 513, NO.368 Han Jiang Road, Jin Cheng Plaza, Chang Zhou, Jiang Su, China

Tel.:+86-519-68687280, 68687290

www.worldequipment.com.cn

<http://www.chinaloaders.com>

Fax.+86-519-68687282

Email sales@worldequipment.com.cn,

worldequipment@hotmail.com

5. World advanced technology is adopted for the hydraulic vibration technology, high in reliability, simple and convenient in maintenance, and low in cost.
6. Equipped with padfoot or removal padfoot as option.

Main Specification of Single Drum Vibrating Rolle

MODEL		R220C R218C	R216C R214C	R212C R210C
Operating mass	kg	20000/18000	16000/14000	12000/10000
Static linear load	N/cm	460/415	378/342	276/230
Vibration frequency	Hz	30	30	30
Vibration amplitude	Mm	2.0/1.0	2.0/1.0 1.8/0.9	1.8/0.9
Centrifugal force	KN	360/220 340/220	320/180 290/160	270/140 240/130
Travel speed				
1st gear		2.0	2.0	1.8
2nd gear		4.0	4.0	3.7
3 nd gear		10.5	10.5	9.7
Grade ability	‰	35	35	35
Turning angle	°	35	35	35
Ground clearance	mm	432	432	360
Electrical overage	v	24	24	24
Turning radius	mm	7500	7500/7000	7000/6500
Vertical oscillation		8	8	8
Tyre size		23.1-26	23.1-6	17.5-25
Overall length	mm	5820	5820	5640
Overall width	mm	2280	2278	2258
Overall height	mm	3000	3000	2970
Vibration round width	mm	2100	2100	2100
Drum diameter	mm	1600	1600	1400
Drum rim thickness	mm	46/40	32/24	24
Wheelbase	mm	3160	3160	3080
Diesel model		D6114ZG6B	YC6108ZG YC6108G	YC6108G
Diesel power	Kw	132	105/85	85
Diesel speed	r/min	2000	2000	2000
Fuel tank capacity	L	180	180	180
Hydraulic tank capacity	L	150	150	150

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