

SR12-5

VIBRATORY ROLLER

- Engine Model: Weichai DEUTZ TDB226B-6IG4
- Rated Power: 105kw
- Working Weight: 12.3 t



SHANTUI

(Model shown) May Include optional equipments

SR12-5

SR12-5 roller is heavy-duty hydraulic vibratory roller. It uses its own weight and centrifugal force to compact all kinds of building and road material with good compaction and high efficiency. It is the ideal equipment for road, railway, dam, refuse dump and backfill project.

- Hydraulic, double drive, 2-speed infinitely variable speeds, good gradeability
- Hydraulic travelling, vibrating and steering.
- Double amplitude, double frequency and hydraulic articulated steering.
- Central pressure inspection and the know-how for pulling the roller within short distance.
- Adopted world-famous brand hydraulic pump, motor, driving axle and vibratory bearing.
- Adopted special tyres for road roller.
- Comfortable cabin with air conditioner (cool & warm)



Specifications

Model/Items		SR12-5	SR12P-5
Working weight	kg	12300	13450
Distributing weight of front wheel	kg	7100	8250
Deadline pressure	N/cm	325	378
Vibratory frequency	HZ	30/33	30/33
Nominal amplitude	mm	1.8/1.0	1.4/0.78
Exciting force	KN	270/180	270/180
Compacting width	mm	2140	2140
Min turning radius	mm	5500	5500
Max grade climbing capability	%	48%	48%
Diameter of vibratory wheel	mm	φ1550	φ1752
Width of vibratory wheel	mm	2140	2140
Traveling speed			
Forward	I	0-5.3	0-5.3
	II	0-9.9	0-9.9
Reverse	I	0-5.3	0-5.3
	II	0-9.9	0-9.9
Model of engine		WEICHAI DEUTZ TDB226B-6IG4	WEICHAI DEUTZ TDB226B-6IG4
Rated rotating speed	r/min	2200	2200
Rated power	KW	105	105
Model of tires		23.1-26-8PR	23.1-26-8PR

Hydraulic system

Hydraulic system for vibration

Rated work oil pressure 30Mpa (300kg/cm²)
 Type of oil pump Axial plunger pump
 Pressure of supply oil 1.95 Mpa (19.5kg/cm²)
 Precision of filtration 10μm
 Type of motor Axial plunger motor

Hydraulic system for turning

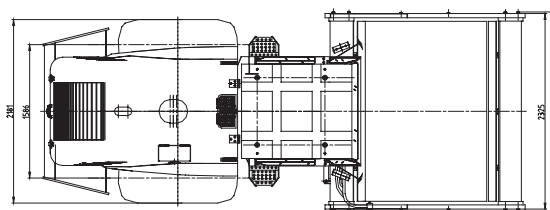
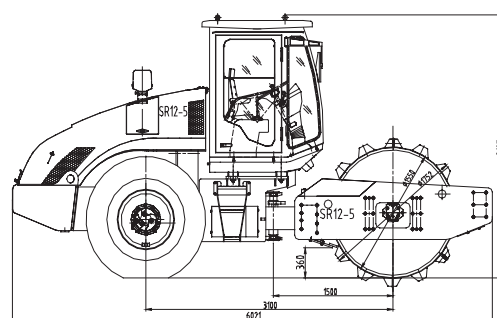
Rated work oil pressure 14Mpa (140kg/cm²)
 Type of oil pump Gear pump
 Work oil cylinder—inside diameter × number . . φ45 mm×2

Hydraulic system for traveling

Max work pressure 35Mpa (350kg/cm²)
 Type of oil pump Axial plunger pump
 Pressure of supply oil 2.4 Mpa (24kg/cm²)
 Precision of filtration 10μm
 Type of motor Tilting axis plunger motor



Dimension



Note: Materials and specifications are subject to change without notice.