

YL26R tyre road roller technical function introducing

YL26R tyre roller is one of compacting machine, constituted by front and back air rubber tyres. It is used for surface course of soil, asphalt concrete, RCC etc. It also can apply to base course of viscosity, half- viscosity and sand mixture, extensively used in civil construction of road, city and airport.

YL26R tyre roller is full hydraulically driven with two level infinitely variable speeds, three level braking, large compacting width, equipped with totally enclosed air-conditioning cab, equipped with primary international part and system, it works with good compacting result ,high reliability, light operating, safety and comfort..



Main Features

- Concentrating on research institute decades of achievements ,experiences and multiterm patents of China.
- Full hydraulic driving compacting device, best linear pressure, with super width compacting, good compacting effect, high construction efficiency.
- It is fully hydraulically driven, can realize tyre roller working, travelling, steering infinitely regulation, at stepless speed

Driving axle is fixed up under the car frame, chain horizontally transmits back-and-front. chain and chain wheel engages in good state all along. That can avoid components and parts improper wear and unnecessary power loss .These faults result from transmission shock and climb chain phenomenon because of chain no tensioning in time effectively.

- Front wheel consists of mechanical swing tyre suspension device, complete compaction, steering and wobble, large-scale wobble, overcome false appearance of compaction owing to surface uneven.
- Travel braking, park braking and urgent braking ensure work safely.
- Front-wheel and rear-wheel pressure watering, water infinitely adjustable.
- Enclosed type air-conditioning cab , two seat and two operating system and electric shift, convenient and comfortable operation.
- Postposited engine, equipped with back-view system favorable eye shot, maintenance convenient.

Product feature:

- Full hydraulically driving, super width compacting
- Unitary structure, front-wheel steering, rear-wheel driving.

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- Postposited engine, equipped with back-view system favorable eye shot
- Open the cover by air spring, routine maintenance is feasible.
- Provided with 1200L water tank, enough for 8 hours working.

YL26R tyre road roller chief technical parameters

Item	technical parameter	unit
Working T temperature	-10 ~ 45	°C
Working Weight	26000	kg
Front-wheel Weight	11800	kg
Rear-wheel Weight	14200	kg
Compacting width	2790	mm
Overlapping width	45	mm
Tyre quantity	Font 5 back 6	
Tyre type	11.00-20	
Travel Speed	0 ~ 8/0 ~ 16	km/h
Engine		
Model	6BTA5.9-C170	
Type	water cooling	
Rated Power	125	kW
Rated Speed	2300	r/min
diesel wear	233	g/kW.h
Climbing Capability	24	%
Min. turning radius(outer)	9150	mm
Minimum ground clearance	320	mm
Steering angle	±30	°
Swing angle	±6	°
Length	5080	mm
Width	2820	mm
Height	3262	mm
Diesel tank capacity	180	L
Hydraulic oil tank capacity	110	L

Water tank capacity	1200	L
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YL26R tyre road roller assembly configuration table

Name	Model	quantity	Manufacturer	Remark
engine	6BTA5.9-C170	1	Dongfeng cummins	China
Traveling system		1	Sauer	America
Steering system		1	China Eaton	Sino-U.S. joint venture
wheel rim		11	domestic famous brand	China
tyre	11.00-20	11	domestic famous brand	China
Air condition system	ZL26	1	domestic famous brand	China
watering pump		1		America

YL26R tyre road roller hydraulic system configuration table

Name	Model	quantity	Manufacturer	Remark
Traveling pump	90R100	1	Sauer	America
Rear motor	H1B110	1	Sauer	America
Steering pump	CBVE-BL Φ	1	China Eaton	domestic famous brand

Steering unit	BZZ-500	1	China Eaton	Sino-U.S. joint venture
Steering valve	FKS16/20	1	China Eaton	Sino-U.S. joint venture
Steer cylinder	9045-220	2		domestic famous brand

YL26R tyre road roller electrical system configuration table

Name	Model	Quantity	Manufacturer	Remark
Battery	GB	2	XIERSI	America
Switch	SA	9	TE	France
Switch	S2	1	COBO	German
Indicator light	H	8	TE	France
relay	KA	6	HELLA	German
Diesel oil level meter	P	1	CURTIS	America
Voltage meter	P	1	CURTIS	America
Horn	HA1	1	HELLA	German
Fuse	FU	14	HELLA	German

YL26R tyre road roller main quick-wear part list

No.	Code number	Name or specification	Notes
1	GB3452.1 - 82	O-ring 10×1.8	
2	GB3452.1 - 82	O-ring 13.2×1.8	
3	GB3452.1 - 82	O-ring 21.2×2.65	
4	GB3452.1 - 82	O-ring 45×2.65	
5	GB3452.1 - 82	O-ring 53×2.65	
6	GB3452.1 - 82	O-ring 30×3.55	
7	JB982-77	combined pad12	
8	JB982-77	combined pad14	
9	JB982-77	combined pad27	
10	JB982-77	combined pad33	

11	JB982-77	wash 42	
12	WU-100x125-J	hydraulic oil sucking filter cartridge	
13	9700810	fine filter cartridge of traveling pump	
14	1117N-001	diesel filter	FF5052
15	1125N-001	diesel filter with oil-water separator	FS1280
16	1012N-001	engine oil filter	LF3349
17	A3911568	fan belt	

Part list in case with machine

No.	Name	Spec	quantity	unit	remarks
Datas					
1	product certificate		1	sheet	
2	operating instruction		1	copy	
3	part atlas		1	copy	
4	engine operation and maintenance manual		1	copy	
5	cab door's key		2	slice	
6	engine start-up key		1	slice	
7	oiling port key		1	slice	
8	cover door key		2	slice	
9	data pocket		1	one	
Tools					
1	inner hexagon spanner	3-19	1	set	9 in one set
2	inner hexagon spanner	2	1	hand	
3	fixed spanner	7-32	1	set	9 in one set

4	fixed spanner	41-46	1	hand	
5	filter cartridge special spanner	φ60-φ140	1	set	
6	Phillips screwdriver	150x7	1	hand	
7	Phillips screwdriver	200x8	1	hand	
8	screw-driver	150x7	1	hand	
9	screw-driver	300x9	1	hand	
10	monkey wrench	12"	1	hand	
11	wire-cutter	8"	1	hand	
12	hammer	1.5 pound	1	hand	
13	lubricating grease gun	400 g	1	hand	
Accessories					
1	hydraulic oil sucking filter cartridge	WU-100x125-J	2	Pieces	
2	fine filter cartridge of diesel	1117N-001	1	Pieces	
3	engine oil filter cartridge	1012N-001	1	Pieces	
4	fuse	8JS 711 690-002 (30A)	2	Pieces	
5	fuse	8JS 711 688-002 (20A)	2	Pieces	
6	fuse	8JS 711 686-002 (10A)	5	Pieces	
7	fuse	8JS 711 684-002 (5A)	4	Pieces	
seal component a set					

YL26R tyre road roller seal components list

sn	code	name or spec	quantity	remarks
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1	GB3452.1 - 1992	O-ring10x1.8	6	
2	GB3452.1 - 1992	O-ring13.2x1.8	14	
3	GB3452.1 - 1992	O-ring21.2x2.65	4	
4	GB3452.1 - 1992	O-ring45x2.65	2	
5	GB3452.1 - 1992	O-ring53x2.65	1	
6	GB3452.1 - 1992	O-ring 30x3.55	6	
7	JB982-77	combined pad 12	2	
8	JB982-77	combined pad14	2	
9	JB982-77	combined pad 27	1	
10	JB982-77	combined pad 33	3	
11	JB982-77	combined pad 42	2	

The product roller technical standard

1. National Standard of the People's Republic of China

《tyre Road roller》

standard code : GB/T10473-2005

2. Industry Standard of the People's Republic of China

《Road roller universal requirement》

standard code : GB/T13328-2005

3. Industry Standard of the People's Republic of China

《compaction machine performance test method》

standard code : GB/T18148-2000

4. National Standard of the People's Republic of China

《hydraulic system working technical conditions》

standard code : GB/T3766