YELLO EQUIPMENT

STR50C-8 TANDEM DRUM ROLLER

DRUM VIBRATION TECHNOLOGY

- ◆ The use of water wheel type lubrication on the vibratory bearing extends the
- Drum evenness and smoothness meets stringent highway surface work requirements.
- ◆ Road surface clearance height at the edge can be up to 825mm.

ADVANCED HYDRAULIC SYSTEM

The closed loop hydraulic system h three filters for greater reliability.

SAFFTY FEATURES

- damping mounts
- Cab climate control
- Specially designed parking brake system

Leading vibration wheel technology

- ◆ The lubrication device fully lubricates the bearings and shafts. Bearing service life of more than 5000h
- High flatness, high density, to meet the high-speed road construction. Strict requirements
- Welt compaction approach gap height reaches 825mm

Smart and intelligent control system

- The control table rotates 90° left and right, which is convenient for welt compaction
- Control saddle box integrated with vibration and driving handle, convenient flexible

Safe and comfortable humanized design

- ROPS certified cab can effectively guarantee the driver safety of life
- Three-stage vibration reduction and air conditioning in the cab ensure comfortable work Environment, the driver's ear noise is within 80dB
- ◆ The vibration reduction effect of the cab reaches a good level
- Designed parking knob and emergency stop button to ensure construction safety

Strong power system

- Strong power, suitable for various working conditions such as ramp construction
- Three-stage filtration of oil circuit
- ◆ The engine cover is opened on both sides, and all maintenance points are within easy reach

Advanced Hydraulic System

Closed hydraulic system, high efficiency, high reliability

Reliable sprinkler system

- ◆ Two rotomoulding water tanks with a volume of 800L can be filled at one time
- It can be constructed normally for more than 5.7 hours
- ♦ Effectively prevent steel wheels from sticking to asphalt

◆ Spare sprinkler pump design to ensure smooth construction

800L plastic lined water tanks provide water for up to 5.7 continuous hours of work
 Optimized spray amount prevents asphalt from sticking to drums and limits asphalt cooling.

A back-up spray pump for greater reliability

RELIABLE AND EFFICIENT POWER

Sufficient power to operate on slopes

Three stage fuel filter system

Engine cover opens wide to provide easy access for maintenance

H-ICIENT CONTROL 5YSTEM

- The operating controls can swing up to 90° right or left to allow the operator a clear view when working at the road edges.
- The speed and direction control joystick are integrated for greater control

YELLO EQUIPMENT

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TECHNICAL PARAMETER

Technical Parameter of STR50C-8 Tandem Drum Roller

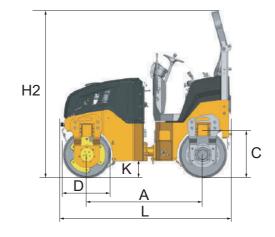
	Model	STR50C-8	
	Operating Weight(kg)	4500	
pur	Weight at Drum(kg)	2250	
Weight and Load	Weight at Rear axle	2250	
We	Front Drum Static Liner Load(N/cm)	160	
	Rear Drum Static Liner Load(N/cm)	160	
	Vibration Frequency(Hz)	50/60	
_	Nominal Amplitude(mm)	0.5	
Compaction	Excitation Force(kN)	47/68	
dwo	Drum Diameter(mm)	900	
	Drum Width(mm)	1380	
	Drum Edge Thickness(mm)	18	
	Travel Speed(km/h)	0~12	
	Working Speed(km/h)		
	Theoretical Gradeability Vibratory	30%	
ility	Theoretical Gradeability Non-Vibratory	40%	
er Ab	Ground Clearance(mm)	350	
Maneuver Ability	Wheelbase(mm)	2000	
Σ	Steering Angle(°)	±32	
	Swing Angle(°)	± 10	
	Min. Turning Outside Diameter(mm)	8564	
	Crab Distance(mm)	0/50	
	Brand	Kubota	
	Model	V2607-DI-T-ET21	
Engine	Cooling System	Water Cooling	
ä	Emission	EU Stage III A	
	Rate Speed(rpm)	2000	
	Rated Net Power(kW)	36	
	Battery(V×Ah)	12×120	
Capacity	Water Tank(L)	310	
Сар	Fuel Tank(L)	68	
	Hydraulic Oil Tank(L)	40	

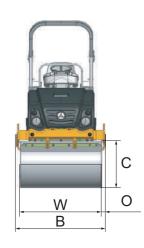
Tandem Drum Roller STR50C-8 Standard and Optional Configurations

Config	Systems	Description	Quantity	Details		Remarks
Standard Configuratoin	Main Machine	STR50C-8 STR50C-8 Tandem Drum Roller, Standard	1	1.Engine 2.Travel Pump 3.Vibration Pump 4.Travel Motor 5.Vibration Motor 6.Reduction Gears 7.Operating Platform 8.Electrical System	9.Vibratory Drum (Smooth) 10.Front Frame 11.Rear Frame 12.Water-Spraying System 13.Covering Parts 14.Seat	
Optional Configuratoin	Shed (without HVAC)	Shed (without HVAC)	1	Low cost		Substitute operating platform allowed

Dimensions of STR50C-8 Tandem Drum Roller

Size Code	STR50C-8
A (mm)	2000
B (mm)	1484
C (mm)	690
D (mm)	900
H (mm)	1957
H2 (mm)	2700
K (mm)	350
L (mm)	2900
O (mm)	60
W (mm)	1380







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