ROAD ROLLER

SERVICE MANUAL

HR25, HR30T-9

HYUNDAI

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2.1 Technical specifications

2.1.1 Operating data

Tandem roller type	HR25T-9	HR30T-9
General data:		
Service weight	2450 kg	3000 kg
Average axle load	1225 kg	1500 kg
Compaction performance:		
Average linear drum load	12.25 kg/cm	12.00 kg/cm
Amplitude	0.5 mm	0.5 mm
Frequency I/II	53 / 61 Hz	52 / 58 Hz
Centrifugal force I/II	21.5 / 28 kN	29 / 37 kN
Drum:		
Drum width	1000 mm	1250 mm
Drum diameter	750 mm	750 mm
Drum thickness	12 mm	12 mm
Lateral drum offset	50 mm	50 mm
Drive/Transmission:		
Speed	0-9 km/h	0-9 km/h
Angular movement	+/- 12°	+/- 12°
Gradeability with/without vibration	30% / 35%	30% / 35%
Noise level:		
Sound power level L_{WA}	105 dB	105 dB

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Chapter 7

Drum drive

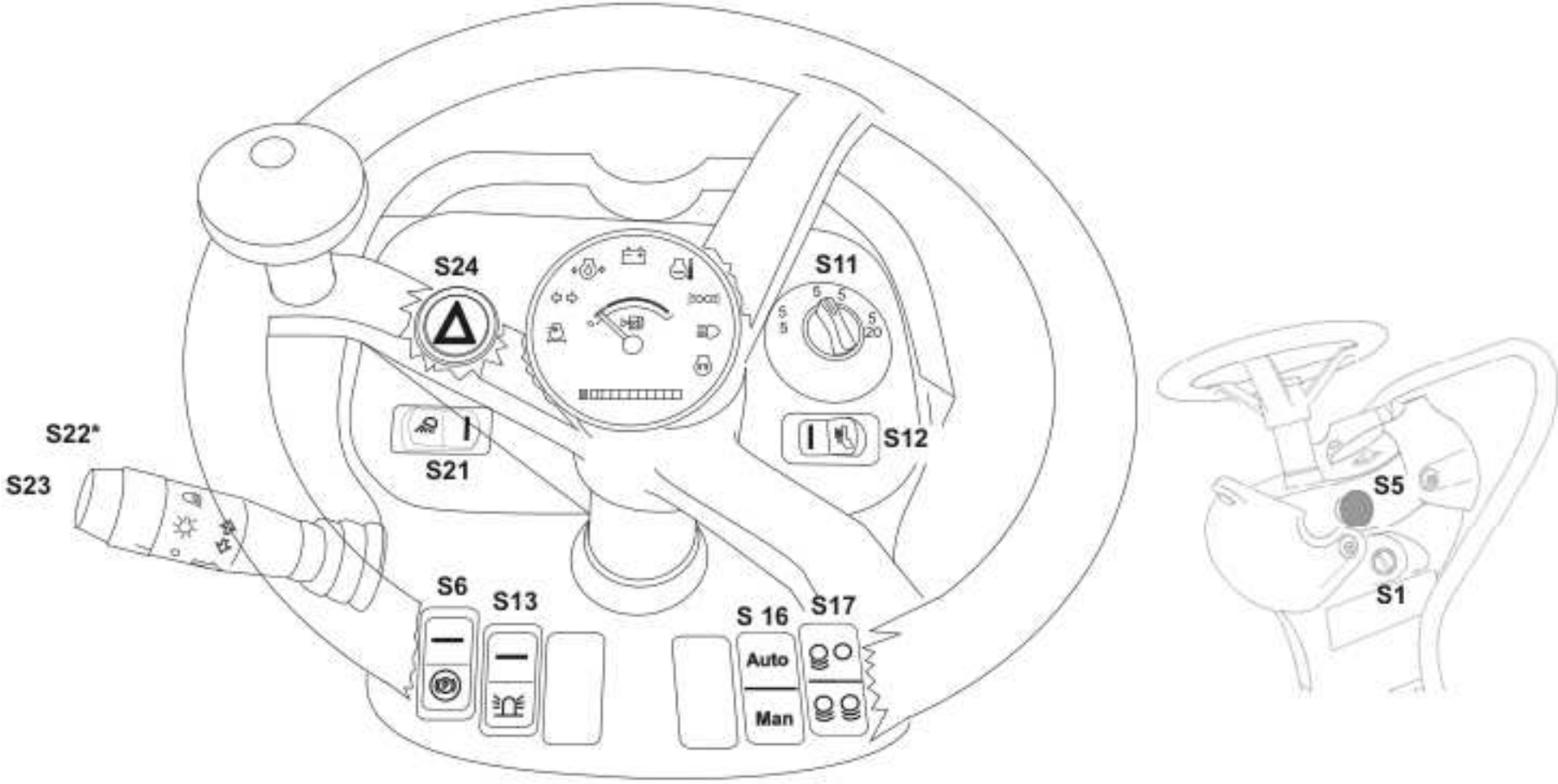
Contents

This chapter provides you with information about:

- the drum drive
- the drum functions
- trouble shooting
- the default values
- an overview of the measuring points
- an overview of the options for adjustments

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9.1.4 Overview: Switches (for information on functions see circuit diagrams on the following pages)



* optional features, applies to tandem rollers with StVZO equipment/MOT approval only

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Illustration	Maintenance work: Checking the V-belt
50 operating hours after the initial operation and subsequently, at intervals of 500 operating hours	
 	Check the V-belt tension and watch out for damage. **WARNING!** Never check the V-belt tension with the Diesel engine running! Turn off the Diesel engine and pull out the ignition key. *NOTE!* Refer to the Deutz operating and maintenance manual for instructions related to tensioning and replacing the V-belt.
	Maintenance work: Replacing the combustion air filter
50 operating hours after the initial operation and subsequently, at intervals of 500 operating hours	
   	*NOTE!* • If the respective lamp on the dashboard indicates an accumulation of dirt at the air filter for the combustion air of the Diesel engine, clean or replace the air filter. • After a maximum of five cleanings, by means of compressed air, replace the filter cartridge. • Wash and dry the interior of the air filter housing and clean it; if necessary, vacuum it. **WARNING!** ***Damage to the Diesel engine!*** Never attempt to clean the air filter by blowing air into it!

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5.1 Maintenance measures

5.1.1 Safety instructions referring to maintenance work



**Do not activate!
Maintenance work
in progress!**



WARNING!
Obligation to inform yourself!
Before taking any maintenance measures, be sure to consult the chapters on safety instructions and safety precautions for maintenance work in the operating manual!

WARNING!
Obligation to inform yourself
Reading and observing the safety instructions and warnings stated in this training manual is of vital importance before and while carrying out any work related to maintenance and servicing.

WARNING!
Prior to conducting any maintenance measures, put up warning signs indicating the execution of maintenance work on the site.

WARNING!
In order to prevent the tandem roller from unintentionally starting, remove and store the ignition key.

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