

Technical data

DRD100-52S6

Lifting data

Lifting capacity at load centre L4, rated - at max. lifting height	kg	10000 - 10000
Lifting capacity at load centre L5, rated - at max. lifting height	kg	9000 - 9000
Lifting speed, unloaded - at 70% of rated load	m/s	0,42 - 0,38
Lowering speed, unloaded - at rated load	m/s	0,4 - 0,4

Driving data

Travelling speed forward, unloaded - at rated load	km/h	29 - 27
Travelling speed backward, unloaded - at rated load	km/h	29 - 27
Gradeability at 2 km/h, unloaded - at rated load	%	26 - 21
Max. gradeability, unloaded - at rated load	%	26 - 24
Drawbar pull	kN	118

Stability according to EN 1459

Weight of truck

Service weight	kg	37400
Axle load front at load centre L4, unloaded - at rated load	kg	20400 - 36900
Axle load front at load centre L5, unloaded - at rated load	kg	22200 - 37200
Axle load front at driving position according to EN 1459 and rated load	kg	34100
Axle load rear at load centre L4, unloaded - at rated load	kg	17000 - 10500
Axle load rear at load centre L5, unloaded - at rated load	kg	15200 - 8200
Axle load rear at driving position according to EN 1459 and rated load	kg	13300

Engine

Manufacturer - type designation		Volvo TWD 731 VE
Fuel - type of engine		Diesel - 4 stroke
Power according to ISO 3046 - at speed	kW-r/min	167 - 2200
Torque according to ISO 3046 - at speed	Nm-r/min	893 - 1300
Number of cylinders - compression		6 - 17.7:1
Alternator, type - power	W	AC - 1540
Starting battery, voltage - capacity	V-Ah	2x12 - 140
Fuel consumption, normal driving	l/h	12 - 14

Transmission

Manufacturer - type designation		Clark - 13.7HR 32335
Clutch, type		Torque converter
Gearbox, type		Powershift
Number of gears, forward - reverse		3 - 3
Driving axle, type		Differential and hub reduction

Wheels

Type, front - rear		Pneumatic
Dimension, front - rear		14.00x24 - 14.00x24, PR24 E3
Number of wheels, front - rear (* driven)		4* - 2
Pressure	MPa	1,0

Steering and brake system

Steering system - manoeuvring		Servo assisted - Steering wheel
Driving brake system, type - affected wheels		Wet disc brakes - Drive wheel
Parking brake system, type - affected wheels		Spring brake - Drive wheel
Max. hydraulic pressure	MPa	21,2
Noise level according to DIN 45635 part 36, cabin - overhead guard	dB(A)	72
Fuel volume	l	400
Hydraulic oil volume	l	400
Overload protection		Electronical

Dimensions

Beam angle, max.	°	α	66°
Swivelling angle spreader, CW - CCW	°	β	195 - 105
Min. aisle for 90° stacking with 20' container	mm	A1	10900
Min. aisle for 90° stacking with 40' container	mm	A2	14100
Sideshift ±	mm	V1	±1000
Track (c-c), front - rear	mm	S	3285 - 2600

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