

Technical data

DRD450-80-S5XS

Lifting data

Lifting capacity at load centre L4, rated - at max. lifting height	kg	45000 - 45000
Lifting capacity at load centre L5, rated - at max. lifting height	kg	45000 - 45000
Lifting speed, unloaded - at 70% of rated load	m/s	0,40 - 0,20
Lowering speed, unloaded - at rated load	m/s	0,33 - 0,31

Driving data

Travelling speed forward, unloaded - at rated load	km/h	25 - 20
Travelling speed backward, unloaded - at rated load	km/h	25 - 20
Gradeability at 2 km/h, unloaded - at rated load	%	27 - 19
Max. gradeability, unloaded - at rated load	%	41 - 30
Drawbar pull	kN	449

Stability according to EN 1459

Weight of truck

Service weight	kg	105800
Axle load front at load centre L4, unloaded - at rated load	kg	55600 - 120300
Axle load front at load centre L5, unloaded - at rated load	kg	59000 - 131300
Axle load front at driving position according to EN 1459 and rated load	kg	111700
Axle load rear at load centre L4, unloaded - at rated load	kg	50200 - 30500
Axle load rear at load centre L5, unloaded - at rated load	kg	46800 - 19500
Axle load rear at driving position according to EN 1459 and rated load	kg	39100

Engine

Manufacturer - type designation		Cummins QSM 11
Fuel - type of engine		Diesel - 4 stroke
Power according to ISO 3046 - at speed	kW-r/min	280 - 2100
Torque according to ISO 3046 - at speed	Nm-r/min	1898 Nm à 1100-1400 tr/min
Number of cylinders -		6 -
Alternator, type - power	W	AC - 1540
Starting battery, voltage - capacity	V-Ah	2x12 - 140
Fuel consumption, normal driving	l/h	14 - 16

Transmission

Manufacturer - type designation		Clark - 15.7HR 40432
Clutch, type		Torque converter
Gearbox, type		Powershift
Number of gears, forward - reverse		4 - 4
Driving axle, type		Differential and hub reduction

Wheels

Type, front - rear		Pneumatic
Dimension, front - rear		21.00*35 - 21.00*35, PR36 E4
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	21,7
Noise level according to DIN 45635 part 36, cabin - overhead guard	dB(A)	63
Fuel volume	l	510
Hydraulic oil volume	l	700
Overload protection		Electronical

Dimensions

Swivelling angle spreader, CW - CCW	°	β	195 - 105
Min. aisle for 90° stacking with 20' container	mm	A1	14900
Min. aisle for 90° stacking with 40' container	mm	A2	15300
Sideshift ±	mm	V1	±800
Track (c-c), front - rear	mm	S	3244 - 3300
Ground clearance, min.	mm		425

