

**Lifting data**
**DRG120-54S6**

Lifting capacity at load centre L4, rated – at max. lifting height (kg)	12000 - 10000
Lifting capacity at load centre L5, rated – at max. lifting height (kg)	9500 - 9000
Lifting speed, unloaded – at 70% of rated load (m/s)	0.46 - 0.41
Lowering speed, unloaded – at rated load (m/s)	0.74 - 0.55
Lowering speed, unloaded – at 70% of rated load (m/s)	0.74 - 0.74

**Driving data**

Travelling speed forward, unloaded – at rated load (km/h)	30 - 30
Travelling speed backward, unloaded – at rated load (km/h)	30 - 30
Gradeability at 2 km/h, unloaded – at rated load (%)	26 - 19
Gradeability max., unloaded – at rated load (%)	31 - 23
Drawbar pull, max. (kN)	124

**Weight of trucks**

Service weight (kg)	38900
Axle load front at load centre L4, unloaded – at rated load (kg)	22300 - 38600
Axle load front at load centre L5, unloaded – at rated load (kg)	24100 - 40700
Axle load front at driving position according to ISO22915-12, and rated load (kg)	36200
Axle load rear at load centre L4, unloaded – at rated load (kg)	16700 - 10400
Axle load rear at load centre L5, unloaded – at rated load (kg)	14900 - 7300
Axle load rear at driving position according to ISO22915-12, and rated load (kg)	12800

**Engine**

Manufacturer / model	Volvo / TAD-851-VE
Fuel / type of engine	Diesel / 4 stroke
Emission stage / approval	EU Stage III / EPA Tier 3
Number of cylinders / displacement (liter)	6 / 7700
Power rated @ revs, ISO 3046 (kW@rpm)	185 @ 1600-1900
Torque max @ revs, ISO 3046 (Nm@rpm)	1160 @ 1100-1500
Alternator, type - power (W)	AC - 3600
Starting battery, voltage - capacity (V – Ah)	2x12 / 135-145
Fuel consumption, normal driving (l/h)	7-14

**Transmission**

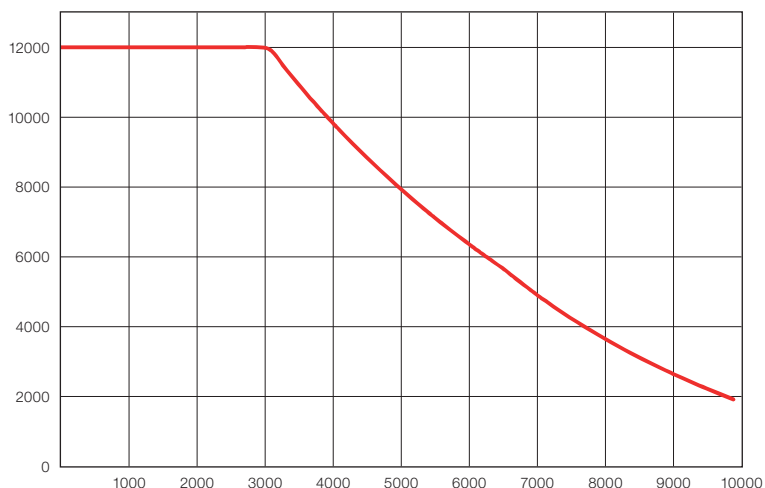
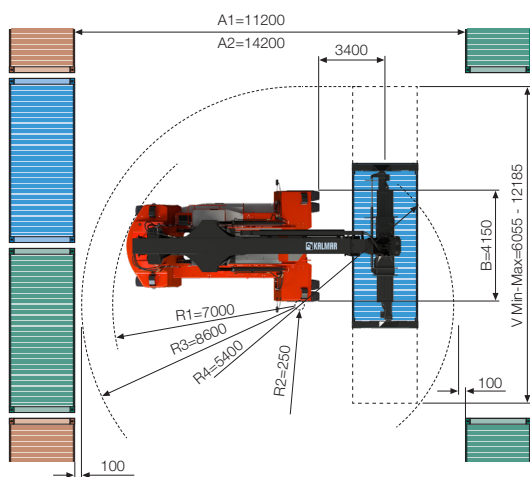
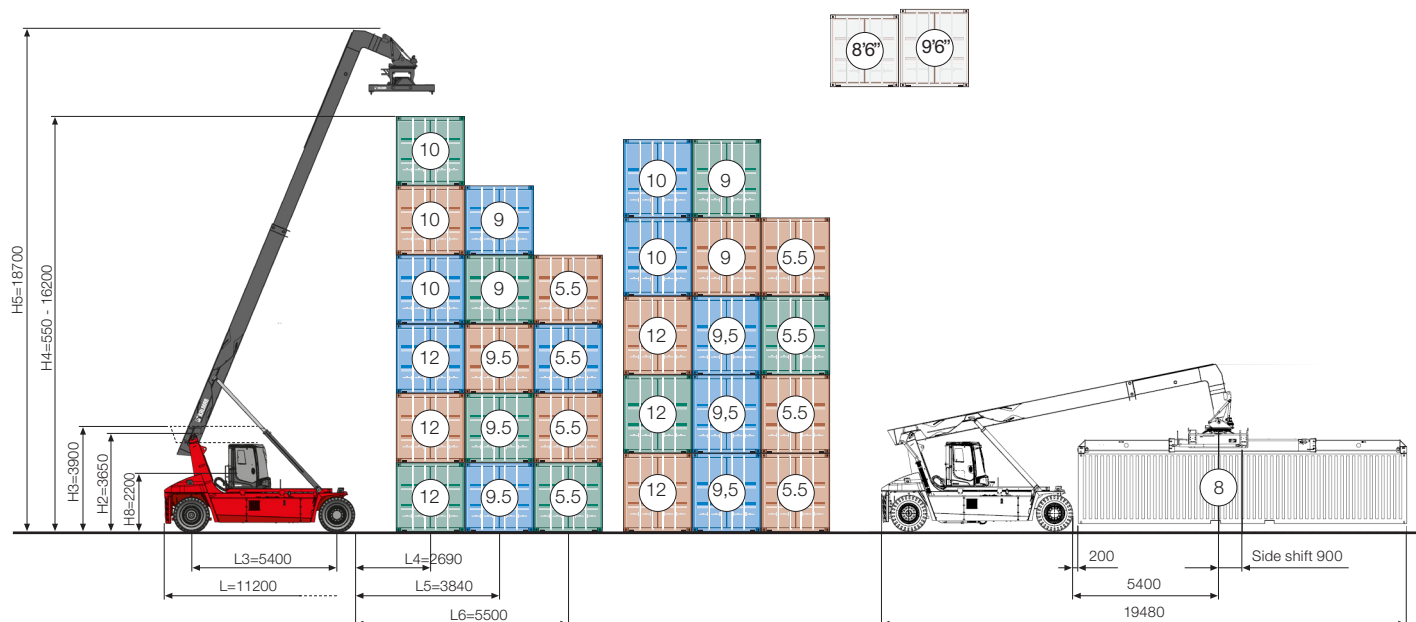
Manufacturer / model	Dana / LTE-14456
Clutch, type	Torque converter with Lock-Up
Gearbox, type	Hydrodynamic Automatic (Power-shift)
Number of gears, forward - reverse	4 - 4
Driving axle, manufacturer / type	Kessler D81 / Differential and hub reduction

**Wheels**

Tyre, type	Tubeless - Diagonal - E4
Dimensions, front – rear (inch)	14.00x24 – 14.00x24
Rim dimension, front – rear (inch)	10.00x24
Number of wheels, front – rear (*driven)	4* - 2
Pressure (MPa)	1.0

**Miscellaneous**

Steering system, type – maneuvering	Electro-hydraulic servo - Steering wheel with orbitrol
Service brake system, type – affected wheels	Wet disc brakes - Drive wheel
Parking brake system, type – affected wheels	Spring brake - Drive wheel
Noise level EN12053 with ECO modes - equivalent inside cabin LpAZ (dB(A))	68-71
Noise level EN12053 with ECO-modes - equivalent outside cabin LwAZ (dB(A))	106-108
Max. hydraulic pressure (MPa) boom / spreader	23.0
Fuel volume (l)	525
Hydraulic oil volume (l)	600 common + 110 brake system
Overload protection	Electronic



## Dimensions

DRG120-54S6		
Boom angle (°)	$\alpha$	0-67.5
Attachment rotation, CW – CCW (°)	$\beta$	195 - 105
Sideshift $\pm$ (mm)	V1	$\pm 1000$
Boom stroke / outreach (mm)		7200
Number of rotation motors and rotation brakes		2 + 2
Spreader lifting eyes, in boom nose		4
Spreader side tilt angle / tilt type		$\pm 5^\circ$ / MPS
Track (c-c), front – rear	S	2950 - 2600
Ground clearance, min. (mm)		350

The designs and materials specification are subject to alternation without prior notice.  
Tolerances according to K-standard 95430.0008/0009.



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