



## Kalmar DRG450-60S5

### Lifting data

	DRG450-60S5
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)	27000 - 27000
Lifting speed, unloaded – at 70% of rated load (m/s)	0.33 - 0.2
Lowering speed, unloaded – at rated load (m/s)	0.46 - 0.33
Lowering speed, unloaded – at 70% of rated load (m/s)	0.46 - 0.49

### Driving data

Travelling speed forward, unloaded – at rated load (km/h)	26 - 24
Travelling speed backward, unloaded – at rated load (km/h)	20 - 18
Gradeability at 2 km/h, unloaded – at rated load (%)	43 - 24
Gradeability max., unloaded – at rated load (%)	55 - 29
Drawbar pull, max. (kN)	330

### Weight of trucks

Service weight (kg)	67400
Axle load front at load centre L4, unloaded – at rated load (kg)	34600 - 100600
Axle load front at load centre L5, unloaded – at rated load (kg)	39000 - 86900
Axle load front at driving position according to ISO22915-12, and rated load (kg)	88800
Axle load rear at load centre L4, unloaded – at rated load (kg)	32800 - 11800
Axle load rear at load centre L5, unloaded – at rated load (kg)	28400 - 7500
Axle load rear at driving position according to ISO22915-12, and rated load (kg)	23600

### Engine

Manufacturer / model	Volvo / TAD-1151-VE
Fuel / type of engine	Diesel / 4 stroke
Emission stage / approval	EU Stage III / EPA Tier 3
Number of cylinders - engine volume (liter)	6 / 10.84
Power nominal / max, according to ISO-3046 – at revs (kW@rpm)	265 @ 1450-2000
Torque max, according to ISO-3046 – at revs (Nm@rpm)	1785 @ 1260
Alternator, type - power (W)	AC - 4200
Starting battery, voltage - capacity (V – Ah)	2x12 - 135-145
Fuel consumption, normal driving (l/h)	14 - 20

### Transmission

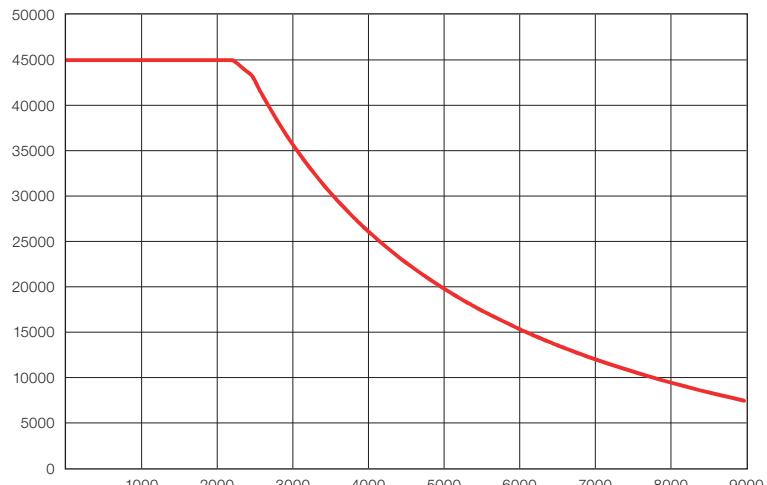
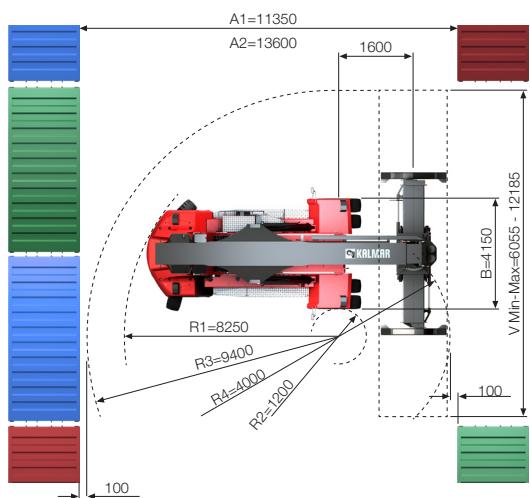
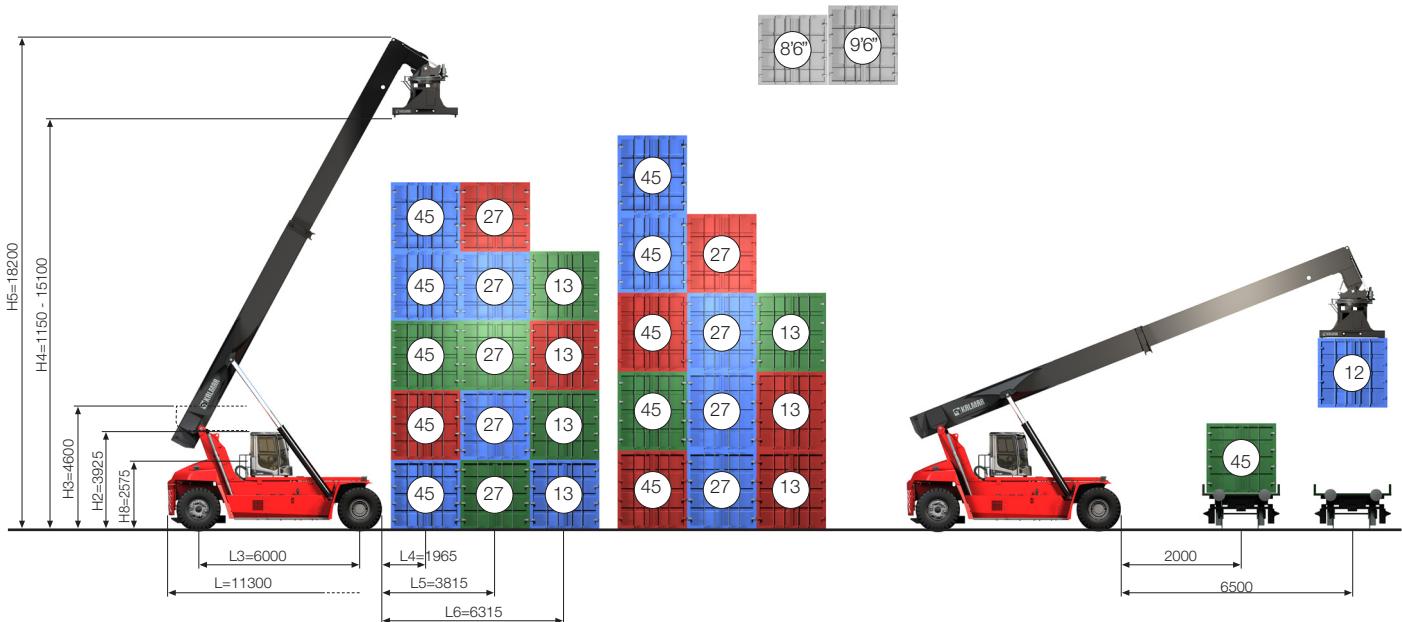
Manufacturer / model	Dana / TE-30510
Clutch, type	Torque converter
Gearbox, type	Hydrodynamic Automatic (Power-shift)
Number of gears, forward - reverse	5 - 3
Driving axle, manufacturer / type	Kessler D102 / Differential and hub reduction

### Wheels

Tyre, type	Tubeless - Diagonal - E4
Dimensions, front – rear (inch)	18.00x25 – 18.00x25
Rim dimension, front – rear (inch)	13.00x25 / 2.5
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))	69 - 71
Noise level EN12053 with ECO-modes - equivalent outside cabin LwAZ (dB(A))	105 - 108
Max. hydraulic pressure (MPa) boom / spreader	23.0
Fuel volume (l)	550
Hydraulic oil volume (l)	750 (600 + 150)
Overload protection	Electronic



## Dimensions

DRG450-60S5		
Boom angle (°)	$\alpha$	0 - 60
Attachment rotation, CW – CCW (°)	$\beta$	195 - 105
Sideshift $\pm$ (mm)	V1	$\pm 800$
Boom stroke / outreach (mm)		7000
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	3030 - 2600
Ground clearance, min. (mm)		250

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

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