

**Kalmar DRG450-70S5XS**

**Lifting data**

**DRG450-70S5XS**

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)	41000 - 39000
Lifting speed, unloaded – at 70% of rated load (m/s)	0,42 - 0,25
Lowering speed, unloaded – at rated load (m/s)	0,36 - 0,36

**Driving data**

Travelling speed forward, unloaded – at rated load (km/h)	27 - 22
Travelling speed backward, unloaded – at rated load (km/h)	20 - 16
Gradeability at 2 km/h, unloaded – at rated load (%)	25 - 14
Gradeability max., unloaded – at rated load (%)	27 - 17
Drawbar pull, max. (kN)	316

**Weight of trucks**

Service weight (kg)	80300
Axle load front at load centre L4, unloaded – at rated load (kg)	39000 - 102000
Axle load front at load centre L5, unloaded – at rated load (kg)	43000 - 111800
Axle load front at driving position according to EN 1459, and rated load (kg)	91800
Axle load rear at load centre L4, unloaded – at rated load (kg)	41300 - 23300
Axle load rear at load centre L5, unloaded – at rated load (kg)	37300 - 9500
Axle load rear at driving position according to EN 1459, and rated load (kg)	33500

**Engine**

Manufacturer - type designation	Volvo / TAD-1171-VE
Fuel - type of engine	Diesel / 4-stroke / EU 4
Number of cylinders - engine volume (dm3)	6-inline / 10.840
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 / 1000 - 1450
Alternator, power (V/A)	AC - 4200 (28 / 150)
Starting battery, voltage – capacity (V – Ah)	2x12 – 145
Fuel consumption, normal driving (l/h)	14 - 20 (EDM 3x)
AdBlue consumption, normal driving (% of diesel)	1 - 5

**Transmission**

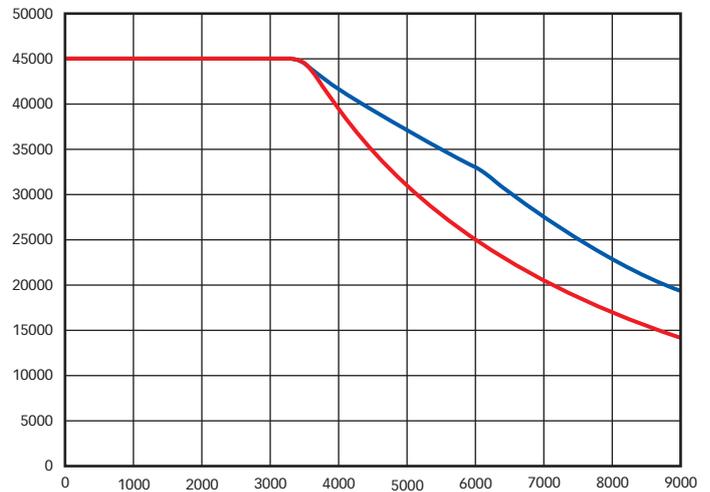
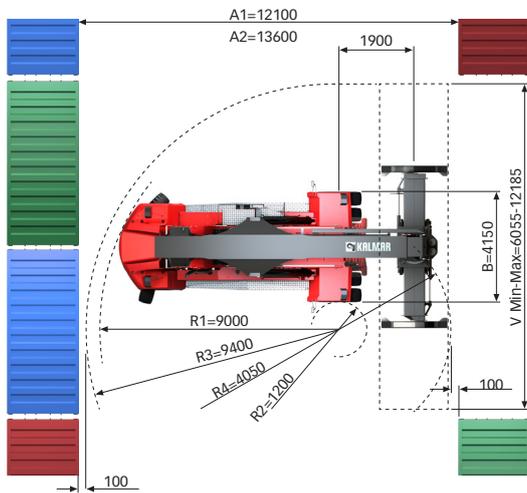
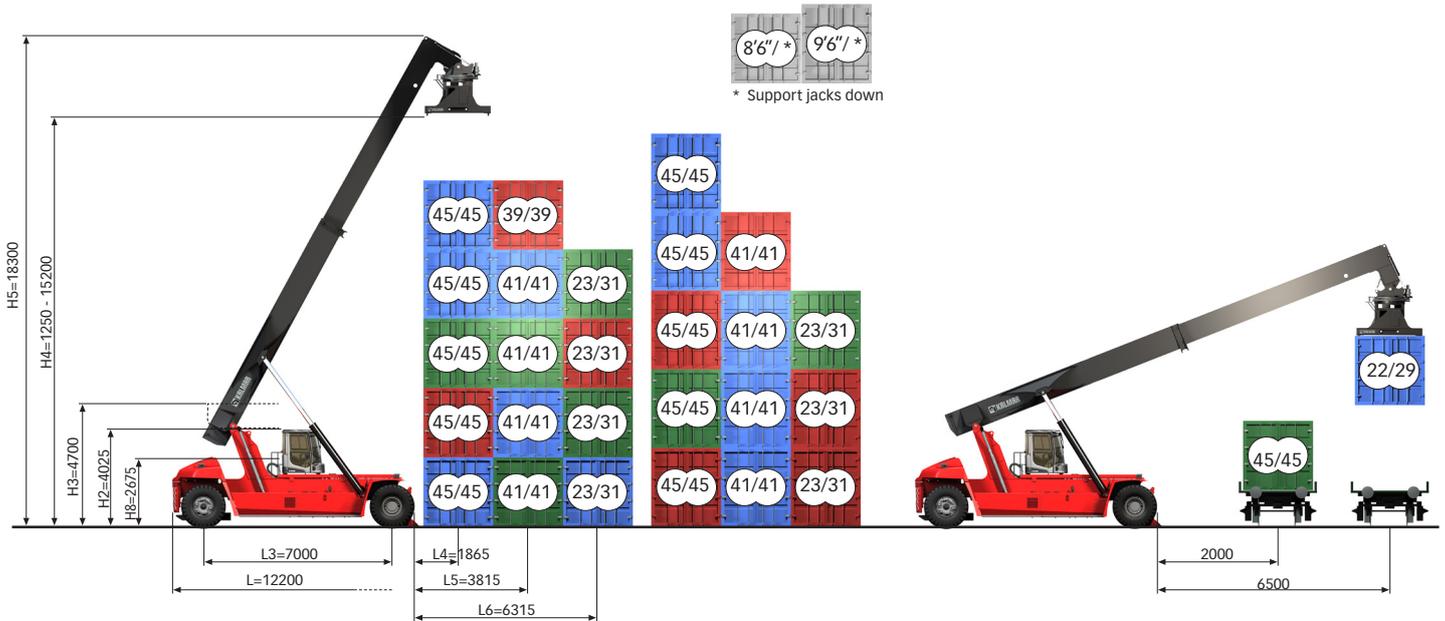
Manufacturer - type designation	ZF / 5WG-261
Clutch, type	Torque converter
Gearbox, type	Automatic Powershift
Number of gears, forward – reverse	5 - 3
Driving axle, manufacturer – type	Kessler D-102, WDB, differential & hub reduction

**Wheels**

Type	Tube less
Dimensions, front – rear (inch)	18.00x33 - 18.00x33, PR36 E4
Number of wheels, front – rear (*driven)	4 - 2
Pressure (MPa)	1,0

**Miscellaneous**

Steering system, type – maneuvering	Servo assisted - Steering wheel
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	69-71
Noise level EN12053 with ECO-modes - equivalent outside cabin LwAZ	107-110
Max. hydraulic pressure (MPa) boom / spreader	23,0
Fuel volume (l)	550
AdBlue volume (l)	35
Hydraulic oil volume (l)	740 (600 + 140)
Overload protection	Electronic



**Dimensions**

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Boom angle (°)	$\alpha$	0 - 60
Attachment rotation, CW - CCW (°)	$\beta$	195 - 105
Sideshift $\pm$ (mm)	V1	$\pm 800$
Spreader side tilt angle / tilt type		$\pm 5$ / MPS
Track (c-c), front - rear	S	3030 - 2800
Ground clearance, steer axle - middle - drive axle (mm)		300

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

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