

## Kalmar DRG450

Fuel volume (I)

DEF volume (I)

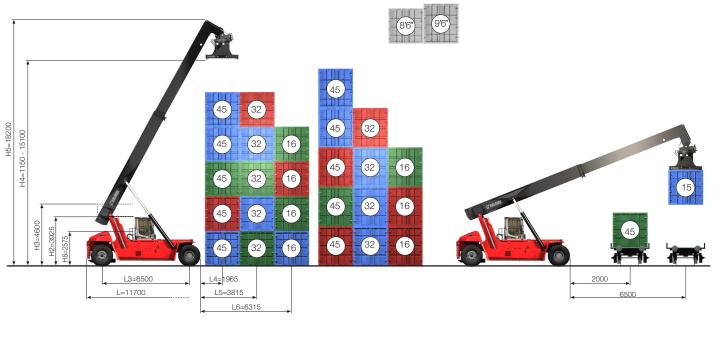
Hydraulic oil volume (I) Overload protection

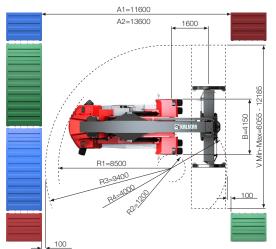
Lifting data	DRG450	
Lifting capacity at load centre L4, rated – at max. lifting height (kg)	45000 - 45000	
Lifting capacity at load centre L5, rated – at max. lifting height (kg)	32000 - 32000	
Lifting speed L4, unloaded – at 70% of rated load (m/s)	0.33 - 0.2	
Lowering speed L4, unloaded – at rated load (m/s)	0.46 - 0.33	
Lowering speed L4, 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 (%)	42 - 23	
Gradeability max., unloaded – at rated load (%)	52 - 28	
Drawbar pull, max. (kN)	330	
Weight of trucks		
Service weight (kg)	69500	
Axle load front at load centre L4, unloaded – at rated load (kg)	35000 - 99400	
Axle load front at load centre L5, unloaded – at rated load (kg)	39000 - 93900	
Axle load front at driving position according to ISO22915-12, and rated load (kg)	88500	
Axle load rear at load centre L4, unloaded – at rated load (kg)	34500 - 15100	
Axle load rear at load centre L5, unloaded – at rated load (kg)	30500 - 7600	
Axle load rear at driving position according to ISO22915-12, and rated load (kg)	26000	
Engine		
Manufacturer / model	Volvo / TAD-1181-VE	
Fuel / type of engine	Diesel / 4 stroke	
Emission stage / approval	EU Stage V	
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)	1795 @ 1400	
Alternator, type - power (W)	AC - 3080	
Starting battery, voltage - capacity (V – Ah)	2x12 - 135-145	
Fuel consumption, normal driving (I/h)	14 - 20	
DEF consumption, normal driving (% of diesel)	3 - 7	
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	
Miscellanious		
Steering system, type – maneuvering	Electro-hydraulic servo - Steering wheel with orbitr	
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	
	20.0	

550

37 750 (600 + 150)

Electronic







Dimensions		DRG450
Boom angle (°)	α	0 - 60
Attachment rotation, CW - CCW (°)	В	195 - 105
Sideshift ± (mm)	V1	±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		±5° / MPS
Track (c-c), front – rear	S	3030 - 2600
Ground clearance, min. (mm)		250

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

