

Kalmar DRG450-60S5M
Lifting data
DRG450-60S5M

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)	30000 - 30000
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 (%)	42 - 23
Gradeability max., unloaded – at rated load (%)	52 - 28
Drawbar pull, max. (kN)	330

Weight of trucks

Service weight (kg)	69400
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 - 92200
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)	34800 - 13800
Axle load rear at load centre L5, unloaded – at rated load (kg)	30400 - 7200
Axle load rear at driving position according to ISO22915-12, and rated load (kg)	25600

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 (l/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

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
DEF volume (l)	37
Hydraulic oil volume (l)	750 (600 + 150)
Overload protection	Electronic

