



Kalmar DRG450-65S5

Lifting data

| DRG450-65S5 | |
|---|---------------|
| 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, 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) | 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 (l/h) | 14 - 20 |
| DEF consumption, normal driving (% of diesel) | 3 - 7 |

Transmission

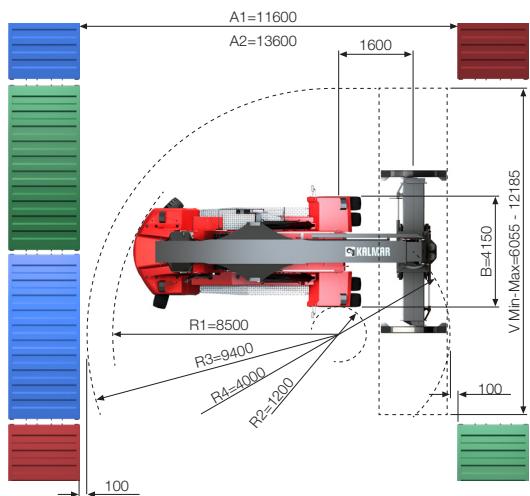
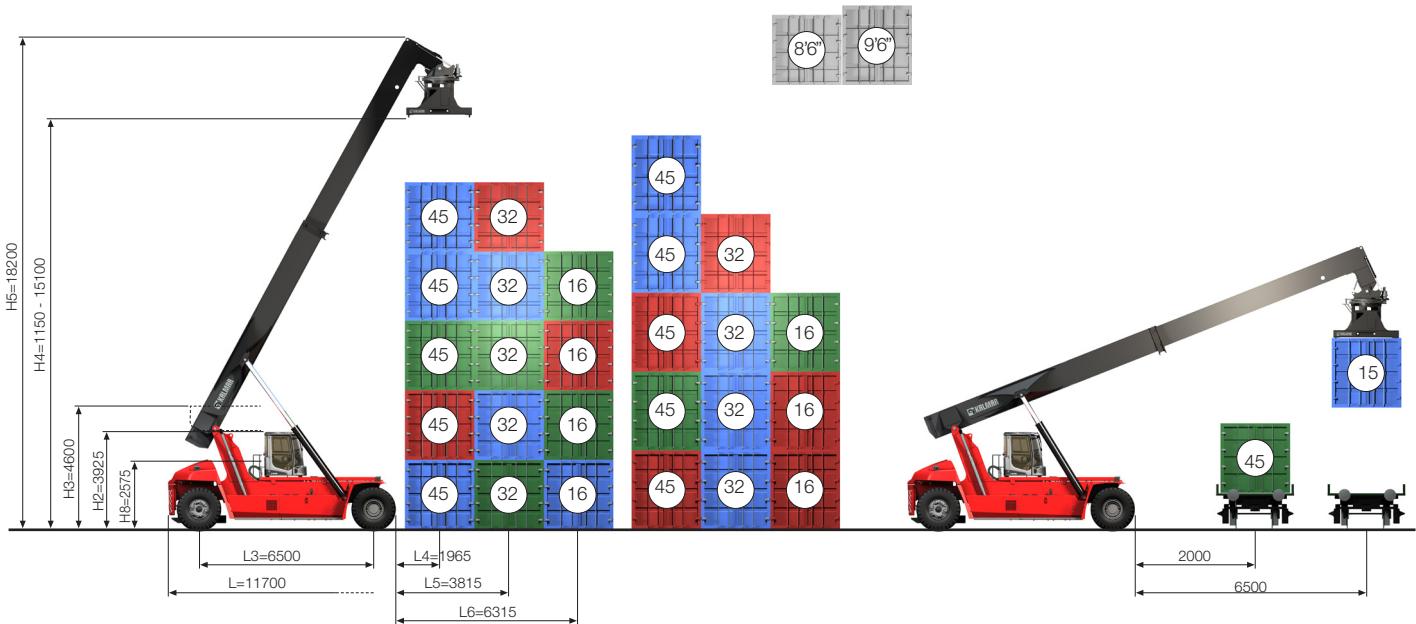
| | |
|------------------------------------|---|
| Manufacturer / model | Dana / TE-30510 |
| Clutch, type | Torque converter |
| Gearbox, type | Hydrodynamic Automatic (Power-shift) |
| Number of gears, forward - reverse | 5 - 3 |
| Driving axle, manufacturer / type | Kessler D102 / Differential and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



Dimensions

| DRG450-65S5 | | |
|---|----------|---------------------|
| Boom angle (°) | α | 0 - 60 |
| Attachment rotation, CW – CCW (°) | β | 195 - 105 |
| Sideshift \pm (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 | | $\pm 5^\circ$ / 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.

Kalmar (Nasdaq Helsinki: KALMAR) is moving goods in critical supply chains around the world, with the vision to be the forerunner in sustainable material handling equipment and services. The company offers a wide range of industry shaping heavy material handling equipment and services to ports and terminals, distribution centres, manufacturing and heavy logistics. Headquartered in Helsinki, Finland, Kalmar operates globally in over 120 countries and employs approximately 5,000 people. In 2023, the company's sales on a carve-out basis totalled approximately EUR 2,0 billion.
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