Kalmar

Kalmar DRF100-54S6

Lifting data	DRF100-54S6
Lifting capacity at load centre L4, rated – at max. lifting height (kg)	10000 - 10000
Lifting capacity at load centre L5, rated – at max. lifting height (kg)	9000 - 9000
Lifting speed, unloaded – at 70% of rated load (m/s)	0,42 - 0,38
Lowering speed, unloaded – at rated load (m/s)	0,40 - 0,40

Driving data	
Travelling speed forward, unloaded – at rated load (km/h)	29 - 27
Travelling speed backward, unloaded – at rated load (km/h)	29 - 27
Gradeability at 2 km/h, unloaded – at rated load (%)	33 - 26
Gradeability max., unloaded – at rated load (%)	27 - 21
Drawbar pull, max. (kN)	130

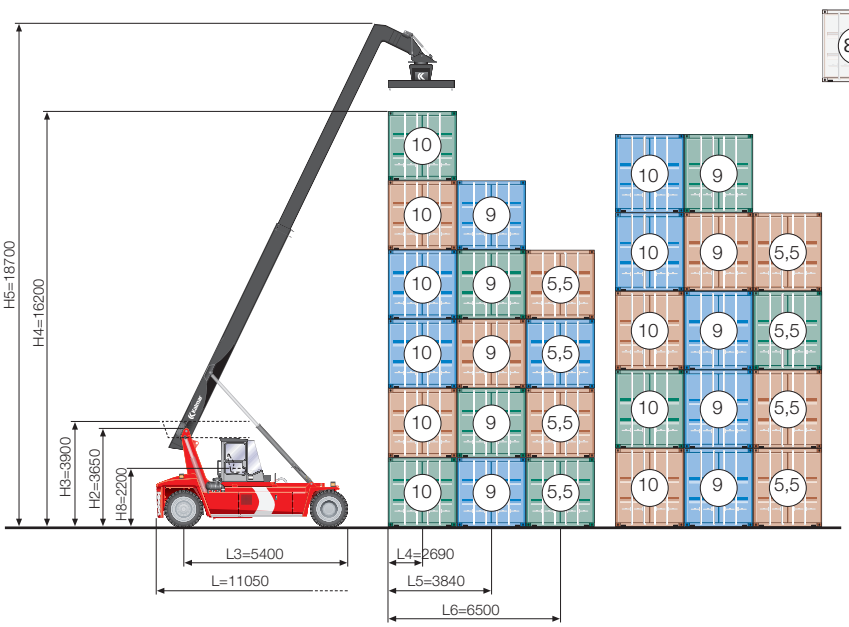
Weight of trucks	
Service weight (kg)	39000
Axle load front at load centre L4, unloaded – at rated load (kg)	22300 - 38600
Axle load front at load centre L5, unloaded – at rated load (kg)	24100 - 40700
Axle load front at driving position according to EN 1459, and rated load (kg)	36200
Axle load rear at load centre L4, unloaded – at rated load (kg)	16700 - 10400
Axle load rear at load centre L5, unloaded – at rated load (kg)	14900 - 7300
Axle load rear at driving position according to EN 1459, and rated load (kg)	12800

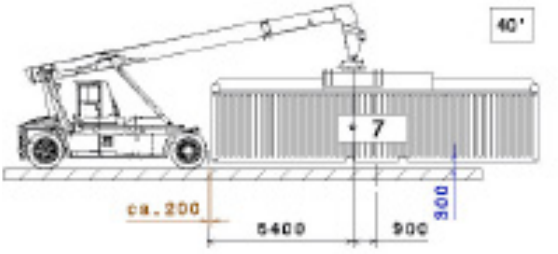
Engine	
Manufacturer / model	Volvo / TAD-760-VE
Fuel / type of engine	Diesel / 4 stroke
Emission stage / approval	EU Stage III / EPA Tier 3
Number of cylinders - engine volume (liter)	6-inline / 7,15
Power nominal / max, according to ISO-3046 – at revs (kW@rpm)	180 / 184 / 1900-2200
Torque max, according to ISO-3046 – at revs (Nm@rpm)	1100 / 1500
Alternator, type - power (W)	AC - 1920
Starting battery, voltage - capacity (V – Ah)	2×12 - 135-145
Fuel consumption, normal driving (l/h)	10-15

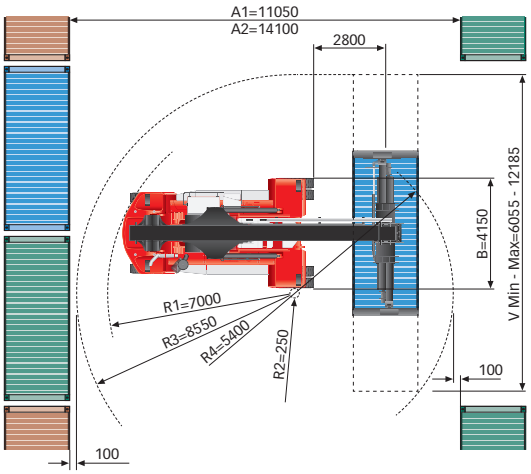
Transmission	
Manufacturer / model	Dana / TE17000
Clutch, type	Torque converter
Gearbox, type	Hydrodynamic Automatic (Power-shift)
Number of gears, forward - reverse	3 - 3
Driving axle, manufacturer / type	Kessler D81 / Differential and hub reduction

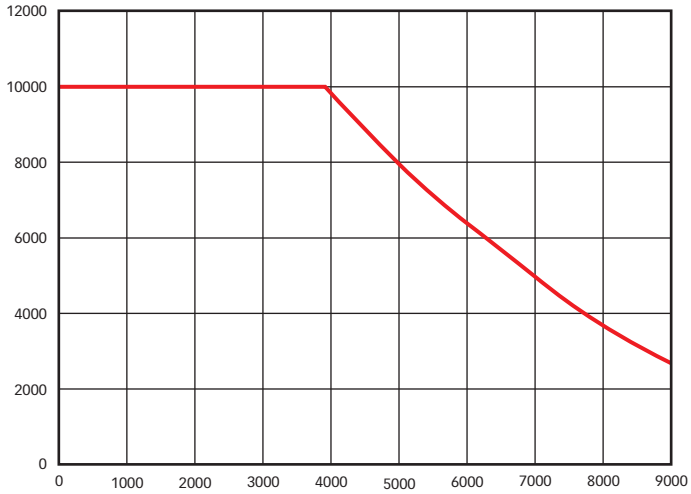
Wheels	
Tyre, type	Pneumatic / Tubeless
Number of wheels, front – rear (*driven)	4* - 2
Pressure (MPa)	1,0

Miscellanious	
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))	72
Noise level EN12053 with ECO-modes - equivalent outside cabin LwAZ (dB(A))	110
Max. hydraulic pressure (MPa) boom / spreader	22,0
Fuel volume (l)	525
Hydraulic oil volume (l)	525 (425 + 100)
Overload protection	Electronic









Dimensions		**DRF100-54S6**
Boom angle (°)	α	0 - 67,5
Attachment rotation, CW – CCW (°)	ß	195 - 105
Sideshift ± (mm)	V1	±1000
Track (c-c), front – rear	S	3285 - 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.

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.
www.kalmarglobal.com

Kalmar Solutions AB
Movägen 1
SE-341 32, Ljungby, Sweden
tel. +46 372 260 00
www.kalmarglobal.com

2026.02.04