

Technical Data

Kalmar ContMaster DRS4531-S5



Lifting Data		
Lifting capacity 1 st row 2m distance from the front face	kg	45000 – 40000
Lifting capacity 2 nd row 3,85 m distance from the front face	kg	31000
Lifting speed, unloaded - at rated load 75%	m/s	0,37 – 0,29
Lowering speed, unloaded – at rated load 75%	m/s	0,40 – 0,30
Driving Data		
Driving speed forward, unloaded – at rated load	km/h	25 – 22
Driving speed backward, unloaded – at rated load	km/h	25 – 22
Gradeability, unloaded – at rated load	%	50 – 29
Drawbar pull	kN	330
Stability according to EN1459		Yes
Weight of the Reach Stacker		
Service weight	kg	68500
Axle load front, unloaded – at rated load	kg	34000 – 100000
Axle load rear, unloaded – at rated load	kg	34500 – 14000
Engine		
Manufacturer – model		Cummins QSM11
Fuel – type of engine		Diesel – 4 stroke
Power according to ISO 3046 – at rpm	kW-rpm	246 – 2100
Torque according to ISO 3046 – at rpm	Nm-rpm	1674 – 1100
Number of cylinders – displacement		6 – 10,8 l
Alternator, type – power	A	AC – 100
Battery, voltage – capacity	V – Ah	24 – 170
Fuel consumption, min	L/h	14 – 17
Transmission		
Manufacturer – model		Clark 36431
Clutch, type		Torque converter
Gearbox, type		Powershift
Number of gears, forward – reverse		4 – 4
Drive axle, type		
		Differential and hub reduction
Wheels		
Type, front – rear		Pneumatic
Dimension, front – rear, PLY rating		18.00 x 25 – 18.00 x 25 , PR40
Number of wheels, front – rear (* driven)		4* - 2
Inflation pressure	MPa	1,0
Steering and brake system		
Steering system – manoeuvring		Hydrostatic – Steering wheel
Driving brake system, type – affected wheels		Wet disc brakes – front wheels
Parking brake system, type – affected wheels		Spring brake – on drive line
Max. hydraulic pressure	MPa	21.0

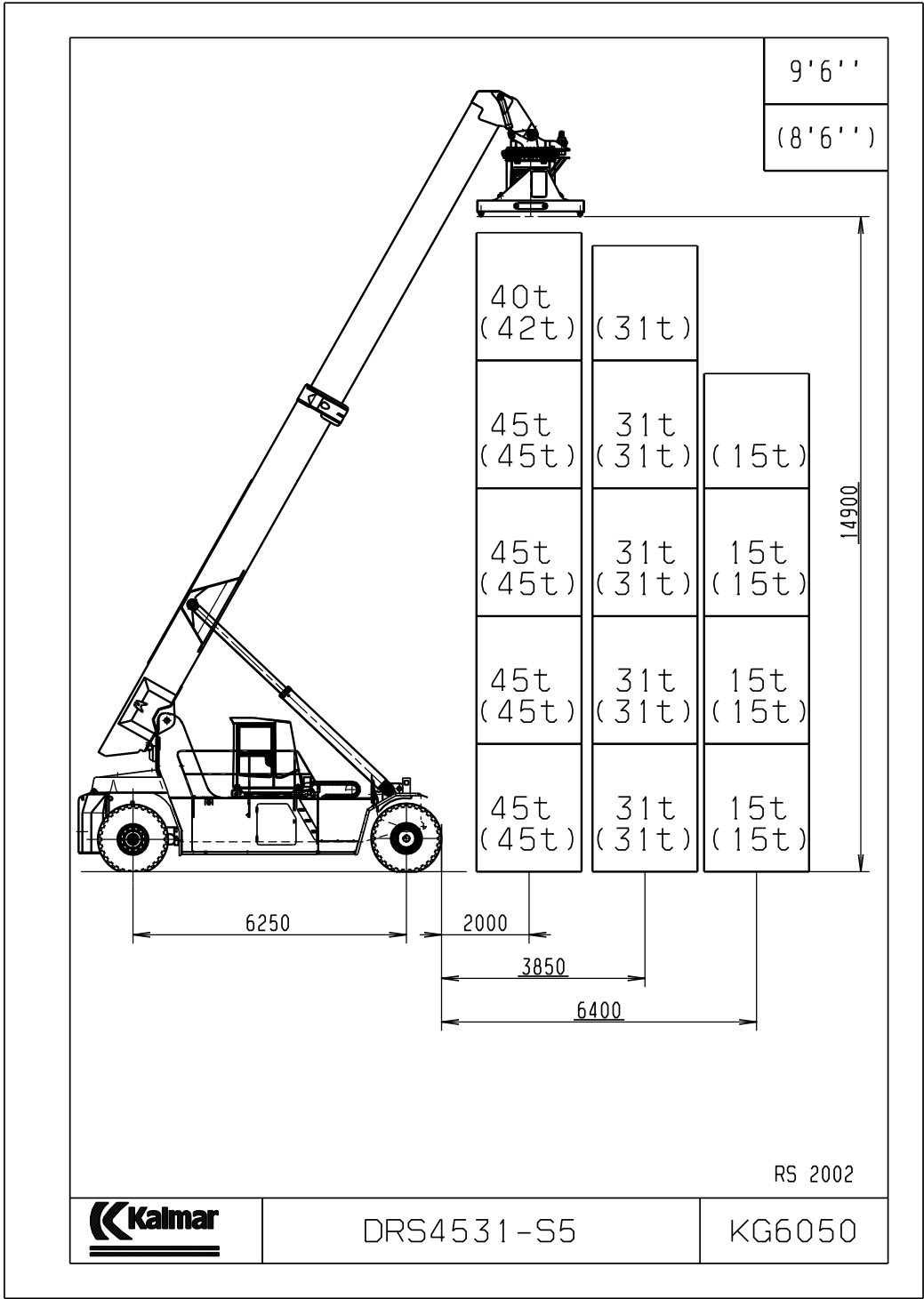
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Noise level according to DIN 45635 part 36, cabin	dB(A)	72
Fuel volume	l	700
Hydraulic oil volume (main + brake system)	l	800
Overload protection system		Electronic overload control system
Dimensions		
Lifting height under the twistlocks	mm	14900
Height under the twistlocks, min	mm	1050
Seat height	mm	2600
Transport height	mm	4490
Transport length	mm	11700
Overall width	mm	4160
Turning radius	mm	8350
Boom angle, max.	degrees	60
Track (c-c), front – rear	mm	3050 – 2640
Wheel base	mm	6250
Ground clearance, min.	mm	400
Min aisle for 90° stacking with 20' container	mm	9900
Min aisle for 90° stacking with 40' container	mm	12600
Attachment		
Rotation angle of the spreader	degrees	+200 / -100
Side shift +/-	mm	800
Twistlock type		ISO, floating
Width min – max	mm	6050 – 12185

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