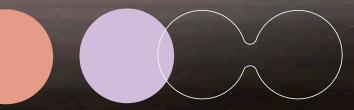


# End-to-end solutions for the wind industry

The Kalmar heavy lifters DRG540A-850A, DRG600Z-1300Z





# We've got you covered

No matter where you are in the world or what you need to move, Kalmar can tailor a solution to meet your exact needs.

#### Knowledge and experience that counts.

With thousands of machines working hard every day, Kalmar understands that one size doesn't fit all, which is why each of our solutions is specified to meet your exact needs. From moving raw materials and components to the final construction and installation of wind towers, we got you covered, end to end with our tailorable solutions.

#### A world of possibilities.

Dependent on your specific task, you have a choice of reachstackers that are specifically designed to deliver and move your heaviest and largest loads with ease. You can choose from a wide range of drivelines, power sources, wheelbases, lifting capacities and attachments, all built on our global G-Generation platform, which has been proven and tested in the field across a wide range of applications.

#### No job too challenging.

Our range of solutions can lift loads from 54 to 130 tonnes, and up to 260 tonnes when two Super Gloria Reachstackers are working in tandem. If your lifting needs are not covered by our current extensive range of attachments, then talk to us about designing a special attachment to meet your specific lifting needs.

#### Our end-to-end wind handling solutions are ready to handle:

- · Production of main components
- Foundations, tripods and monopiles
- Towers, sections, cones and TPS
- Nacelles, bearings and blades
- Generator, gearbox, hub and rotor
- Hydraulic and electric components
- Containerised assembly parts
- Power cable reels.

#### We can lift, move, stack and store through every touch point.

- Raw material, supplies and storage
- Material supplies in manufacturing
- Semi-finished components
- Blasting and painting
- Loading and unloading for transports

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- Marshalling of project cargo
- Containerised assembly parts
- Power cable reels.

Each of our solutions is specified to meet your exact needs.



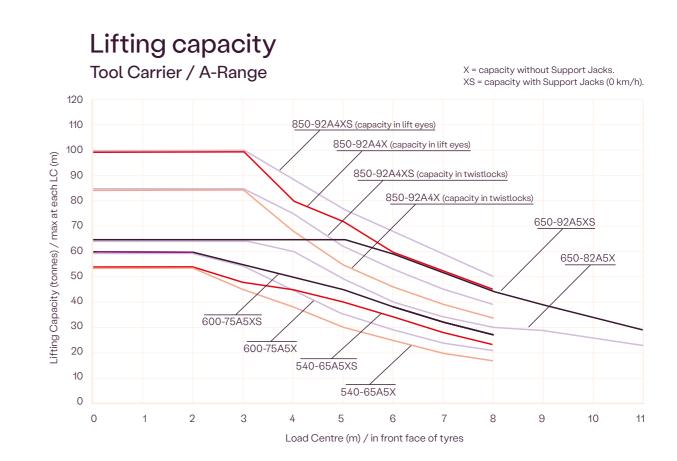
## The Tool Carrier A-Range of industrial reachstackers

A strong and flexible Tool Carrier solution, that can be fitted with grippers, magnets or slings. The A-Range reachstackers features:

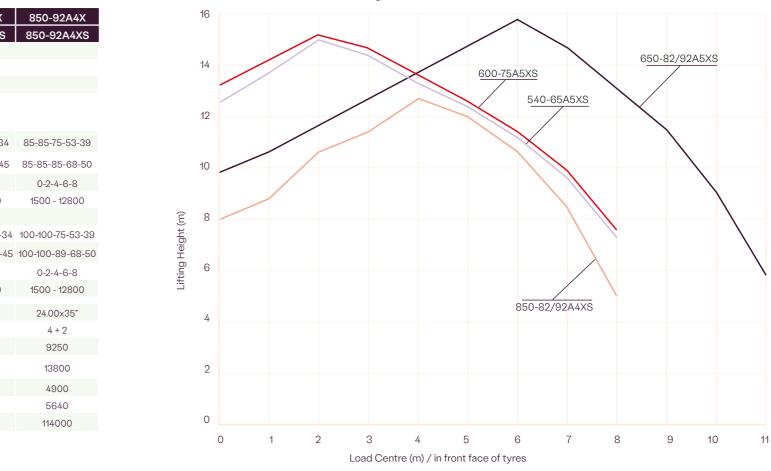
- Lift capacity (4 Twistlocks): 54 85 tonnes (119 187 klbs)
- Lift capacity (4 Lift Eyes): 54 100 tonnes (119 220 klbs)
- Lift height: up to max 15 or 16 m (49ft or 52ft)
- Load centre: up to max 8 or 11 m (26ft or 36ft)
- Designed for multi-tool operations in various combinations
- Tool Carrier with rotation 300-deg and sideshift ±450 mm (±18")
- Twistlocks for quick-change of various sub-attachments
- Lift Eyes for slings, chains or beams or sub-attachments.

Models	Wheelbases	Diesel		Electric
Tool Carrier (A)	(m / in)	Premium	Eco	Premium
540-65A5X	6.50 m (256")			•
540-65A5XS	6.50 m (256")			•
600-75A5X	7.50 m (295")	•		•
600-75A5XS	7.50 m (295")			
650-82A5X	8.25 m (325")			
650-92A5XS	9.25 m (364")			
850-82A4X	8.25 m (325")			
850-92A4XS	9.25 m (364")			





Lifting height Tool Carrier / A-Range



	Models			540-65A5X	600-75A5X	650-82A5X	850-82A4X	850-92A4X		
β	woulds			540-65A5XS	600-75A5XS	650-92A5XS	850-82A4XS	850-92A4XS		
HANDLING	Type of handling		Rotating Tool Carrier							
	Lifting devices			Twistlocks (4x) / Lift Eyes (4x)						
	Rotation, max		deg	+195/-105 (300)						
	Sideshift, max		mm	± 450						
	Lifting type (I)		tons			Twistlock (4x)				
LIFTING CAPACITY	Lift capacity, load center L4-L9	Q1-Q6	tons	54-54-38-25-17	60-60-45-29-21	65-65-60-40-30-26	85-85-68-46-34	85-85-75-53-39		
	Lift capacity, load center L4-L9 (jacks)	Q1-Q6	tons	54-54-45-34-23	60-60-50-38-27	65-65-65-60-45-34	85-85-80-60-45	85-85-85-68-50		
	Load center L4-L9		m	0-2-4-6-8	0-2-4-6-8	0-2-4-6-8-10	0-2-4-6-8	0-2-4-6-8		
	Lifting height, min-max	H4a	mm	1500 - 12800	1500 - 12800	1500 - 15800	1500 - 12800	1500 - 12800		
	Lifting type (II)		tons	tons Lift Eyes (4x)						
	Lift capacity, load center L4-L9	Q1-Q6	tons	54-54-38-25-17	60-60-45-29-21	65-65-60-40-30-26	100-100-68-46-34	100-100-75-53-39		
5	Lift capacity, load center L4-L9 (jacks)	Q1-Q6	tons	54-54-45-34-23	60-60-50-38-27	65-65-65-60-45-34	100-100-80-60-45	100-100-89-68-50		
	Load center L4-L9		m	0-2-4-6-8	0-2-4-6-8	0-2-4-6-8-10	0-2-4-6-8	0-2-4-6-8		
	Lifting height, min-max	H4b	mm	1500 - 12800	1500 - 12800	1500 - 15800	1500 - 12800	1500 - 12800		
	Tyre dimensions, front and rear		in	18.00x33"	18.00×33"	21.00x35"	24.00×35"	24.00x35"		
S	Tumber of tyres, front and rear			4 + 2	4 + 2	4 + 2	4 + 2	4 + 2		
DIMENSIONS	Wheelbase	L3	mm	6500	7500	8250 / 9250	8250	9250		
	Truck length (to fork face front)	L	mm	11300	12300	14300 / 15300	12800	13800		
	Truck width (over tires)	В	mm	4150	4150	4600	4900	4900		
	Chassis height, max	H3	mm	4700	4700	5250	5640	5640		
	Service weight		kgs	74000	76000	100000 / 102000	112000	114000		

## The Lift Hook Z-Range of industrial reachstackers

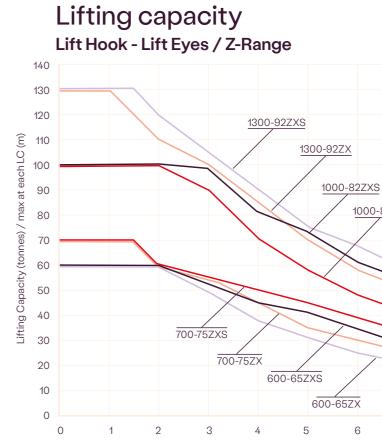
#### Designed with forged Lifting Hook in single or double version. The Z-Range reachstackers feature:

- Lift capacity (Lift Hook): 60 130 tonnes (132 286 klbs)
- Lift capacity (4 Lift Eyes): 60 130 tonnes (132 286 klbs)
- Lift height: up to max 13 m (42ft) / optional up to max 16 m (52ft)
- Load centre: up to max 8 m (26ft)
- Lift Hook / Lift Eyes for slings, chains or beams or sub-attachments
- Lift Hook with free rotation 360-deg (non-power) / no sideshift
- Lift Eyes without rotation (fixed) / no sideshift.

Models	Wheelbases	Diesel		Electric
Lift Hook (Z)	(m / in)	Premium	Eco	Premium
600-65ZX	6.50 m (256")	•		•
600-65ZXS	6.50 m (256")	•		•
700-75ZX	7.50 m (295")	•		•
700-75ZXS	7.50 m (295")	•		•
1000-82ZX	8.25 m (325")	•		
1000-82ZXS	8.25 m (325")	•		
1300-92ZX	9.25 m (364")	•		
1300-92ZXS	9.25 m (364")	•		

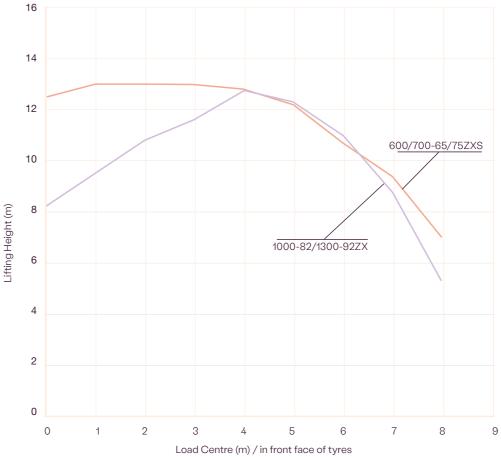


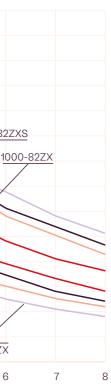
	Models			600-65ZX	700-75ZX	1000-82ZX	1300-92ZX	
ÐNI.				600-65ZXS	700-75ZXS	1000-82ZXS	1300-92ZXS	
HANDLING	Type of handling			Rotating Lift Hook				
	Lifting devices			Lift Hook (1x) / Lift Eyes (4x)				
	Rotation, max		deg	Endless (360) / Fixed (0)				
	Sideshift, max		mm	N.A.				
CAPACITY	Lifting type (I)		tons	Lift Hook (1x)				
	Lift capacity, load center L4-L9	Q1-Q6	tons	60-60-38-25-18	70-60-45-30-22	100-100-70-48-36	130-110-85-58-43	
	Lift capacity, load center L4-L9 (jacks)	Q1-Q6	tons	60-60-45-34-24	70-90-50-39-28	100-100-81-61-46	130-120-90-68-51	
	Load center L4-L9		m	0-2-4-6-8	0-2-4-6-8	0-2-4-6-8	0-2-4-6-8	
	Lifting height, min-max	H4a	mm	1500 - 12800	1500 - 12800	1800 - 12800	1800 - 12800	
	Lifting type (II)		tons	Fixed Lift Eyes (4x)				
LIFTING	Lift capacity, load center L4-L9	Q1-Q6	tons	60-60-38-25-18	70-60-45-30-22	100-100-70-48-36	130-110-85-58-43	
5	Lift capacity, load center L4-L9 (jacks)	Q1-Q6	tons	60-60-45-34-24	70-90-50-39-28	100-100-81-61-46	130-120-90-68-51	
	Load center L4-L9		m	0-2-4-6-8	0-2-4-6-8	0-2-4-6-8	0-2-4-6-8	
	Lifting height, min-max	H4b	mm	1500 - 13800	1500 - 13800	1800 - 13700	1800 - 13700	
	Tyre dimensions, front and rear		in	18.00x33"	18.00x33"	24.00x35"	24.00x35"	
ŝ	Tumber of tyres, front and rear			4 + 2	4 + 2	4 + 2	4 + 2	
δ	Wheelbase	L3	mm	6500	7500	8250	9250	
DIMENSIONS	Truck length (to fork face front)	L	mm	11300	12300	12800	13800	
	Truck width (over tires)	В	mm	4150	4150	4900	4900	
	Chassis height, max	H3	mm	4700	4700	5640	5640	
	Service weight		kgs	74000	76000	112000	114000	



Load Centre (m) / in front face of tyres

Lifting height Lift Hook - Lift Eyes / Z-Range





X = capacity without Support Jacks. XS = capacity with Support Jacks (0 km/h).



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