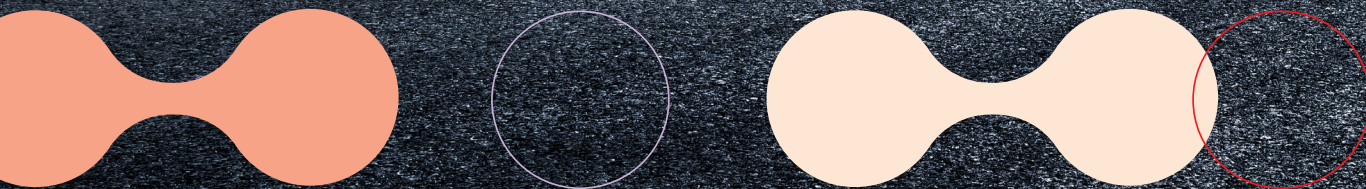


# Heavy duty range of reachstackers

HRS1200-3800 Range  
120-380T (264-837klbs)







# A true heavy duty lifter

**Kalmar in partnership with CES has just extended your heavy duty lifting capabilities to titanic proportions.**

This new range has lifting capacities from 120 tonnes (264klbs) to 380 tonnes (837klbs) with more capacity, at longer load centres, with more outreach and increased lift heights that is mobile, versatile and ideal for the wind, energy, metal, concrete and other super heavy lifting applications.

## Versatility built in

With 6 lift hook models and 3 tool carrier models, we offer all the capacity you need, with outreach of 8-11 m (26-36ft) and lift heights of 13-18 m (43-59ft). This means that you have a very versatile solution that can safely lift and transport the heaviest loads both inside and out when fitted with either single lift hook or tool carrier (with 4 lift hooks or 4 twistlocks). For your extremely long cargo - long and heavy loads like wind tower sections, two machines can work together to move your load efficiently and safely, with twice the capacity.



## Heavy duty lifting segments and applications:



### Wind

- Onshore & Offshore
- Plate handling
- Flange rings
- Bearing units
- Foundations
- Semi-sections
- Tower sections
- Semi-sections
- TPS stations
- Power cable reels



### Hydro

- Hardware
- Power cables



### Metal

- Plates & slabs
- Foundry-cast
- Shipyard
- Fabrication



### Concrete

- Wavebreakers
- Sections



### Oil & Gas

- Hardware
- Pipe-on-reel



### Mining

- Rocks



### Ports

- Project cargo





# Fit for purpose



## A unique design

To be able to lift extremely heavy loads you need a unique design that is fit for purpose which is why the CES Heavy Duty Range comes with either a long-fixed wheelbase of 10 metres or a unique extendable wheelbase that goes from 9-12m (29-39ft) up to 13-18m (43-59ft). Coupled with the strong 2 or 3-piece chassis that is supported by 2-to-5 extra big front wheels and 2 or 4 big rear wheels to get that extra reach and capacity. A combination that allows you to lift those super heavy loads up to 380 tonnes (837klbs).

## Designed for the driver

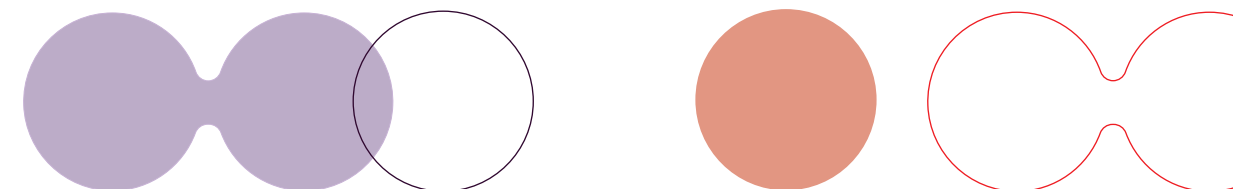
When handling super heavy loads, visibility is key, which is why the spacious cabin with great forward and rear visibility is fitted with front and reverse cameras as standard which can be displayed on one or two colour monitors so your driver is always aware of what is going on around them. Coupled with a state of the art control system and operator interface your driver will always feel in complete control.

## Efficient to the core

Powered by a hydrostatic drive combining the latest Volvo or Cummins engine technology with Bosch-Rexroth hydraulics you'll get a super heavy lifter that is surprisingly fuel efficient compared to traditional diesel solutions. Plus, with a common box design across the whole range including the engine, tanks, hydraulics, cooling and filters you'll be able to efficiently service and maintain your equipment.

## Global support and service

Kalmar's global network of sales, service and support teams will be there to help keep your equipment moving and support you. Kalmar can take responsibility for the service and maintenance of your equipment and will have in stock a comprehensive range of genuine spare parts should they be needed.





# Specifications

Z Range with single lift hook, max capacity from 120-380T (264-837klbs)																							
Model		Capacity at load centre									Wheelbase				Machine		Driveline						
CES-HRS designation	2m	4m	6m	8m	10m	6.5'	13'	20'	26'	33'	Short		Long		Weight		Engine	Power		Torque		Volume	
	tons	tons	tons	tons	tons	klbs	klbs	klbs	klbs	klbs	m	ft	m	ft	tons	klbs	Model	kW	hp	Nm	lb/ft	lt	cu.in
HRS-1200/900-10 (slim)	120	90	65	50	40	264	198	143	110	88	10	33	-	-	128	282	TAD-11X2-VE	285	388	1938	1429	10.8	661
HRS-1500/1250-10 (slim)	150	125	93	72	58	330	330	308	286	128	10	33	-	-	139	306	TAD-13X5-VE	405	551	2650	1954	12.8	780
HRS-1800/1500-9/12 (slim)	180	150	111	86	70	396	396	363	330	150	9	29.5	12	39.5	150	330	TAD-13X5-VE	405	551	2650	1954	12.8	780
HRS-2300/2000-12/16	230	200	143	114	0	506	440	314	252	0	12	39.5	16	52.5	174	383	TAD-13X5-VE	405	551	2650	1954	12.8	780
HRS-2800/2500-12/16	280	250	182	141	117	616	550	400	310	258	12	39.5	16	52.5	212	467	TAD-13X5-VE	405	551	2650	1954	12.8	780
HRS-3800/3500-13/18	380	350	276	216	176	837	771	608	476	388	13	42.5	18	59	301	663	TAD-11X2-VE	2X285	2x388	2X1938	2x1429	2X10.8	2x661

A Range with with hydraulic tool carrier, max capacity 100T / 85T (220-187klbs)																							
Model		Capacity at load centre									Wheelbase				Machine		Driveline						
											Short		Long		Weight		Engine		Power		Torque		Volume
CES-HRS designation	2m	4m	6m	8m	10m	6.5'	13'	20'	26'	33'	m	ft	m	ft	tons	klbs	Model	kW	hp	Nm	lb/ft	lt	cu.in
	tons	tons	tons	tons	tons	klbs	klbs	klbs	klbs	klbs													
HRS-1200/900-10 (slim)	100	83	58	43	33	220	183	128	94	73	10	33	-	-	134	295	TAD-11X2-VE	285	388	1938	1429	10.8	661
HRS-1500/1250-10 (slim)	100	100	86	65	51	220	220	189	144	112	10	33	-	-	144	320	TAD-13X5-VE	405	551	2650	1954	12.8	780
HRS-1800/1500-9/12 (slim)	100	100	100	79	63	220	220	220	174	140	9	29.5	12	39.5	155	344	TAD-13X5-VE	405	551	2650	1954	12.8	780





Kalmar

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