

Kalmar RMG. Data sheet.



Technical data

Feature	Specification / options	Notes
Safe working load (SWL) under the spreader	Single 41t / Twin 50t* / Twin 60t* / Twin 65t*	*Check availability from your Kalmar contact
Trolley arrangement	Rotating / Low-profile fixed	
Gantry rail span	20-55m 66-164ft	-
Cantilever outreach	Up to 18m Up to 59ft	Without lattice structure
Hoisting height	Up to 1 over 6	-
Rope reeving	Max Stable	8-rope stiff reeving
Clearance between legs	15m* / 18m 49ft* / 59ft	*With low-profile fixed trolley
Overall length (buffer to buffer)	25,3m* / 26,19m - 28,19m 83ft* / 86ft - 92ft 6in	Buffers uncompressed, varied as required *With low-profile fixed trolley
Main power supply	50 or 60Hz, 3-phase, 4-wire, voltage as required	Typical voltage: 10-20kV Typical transformer size: 1000-1200kVA
Power supply method	Cable reel/ busbar*	*Check availability from your Kalmar contact
Cabin	Kalmar / Brieda / Merford / no cabin (remote control)	The cabin rotates with the trolley, optionally fixed
Intelligent features	All automation levels possible - factory-installed or retrofit Kalmar Key Kalmar Insight	-

Baseline in bold
Metric units primary

Spreader options	ISO containers	Pallet wides	Trailers & Swap bodies	North America WTP containers (48ft, 53ft)	Notes
Bromma - fully electric	X	X*	-	-	-
Bromma - hydraulic	X (also twin)	X*	-	X*	Check twin availability from your Kalmar contact
Piggypack spreader (US type)	X	-	X	X	-
Piggypack spreader (European type)	X	X*	X	-	-

Baseline in bold
*Optional feature

Trim and micro motion options	Range	Options
Trim	±5°	No trim / electric
Micro motions (headblock)	±250mm / ±250mm / ±5° ±10in / ±10in / ±5°	No micro motions / electric / hydraulic

Baseline in bold
Metric units primary

Typical performance values**Speed options****Acceleration / Deceleration**

Hoisting with SWL under spreader	20 / 35 / 45m/min 65 / 114 / 147ft/min	0.35 m/s ²
Hoisting with empty spreader	40 / 70 / 90m/min 131 / 229 / 295ft/min	0.50 m/s ²
Trolley travel	60 / 100 / 120 / 150m/min 197 / 328 / 394 / 492 ft/min	0.40 - 0.50 m/s ²
Gantry travel	120 / 150m/min 4,5 / 5,5mph	0.30 - 0.40 m/s ²
Trolley rotation	2rpm	-

Baseline in bold
Metric units primary

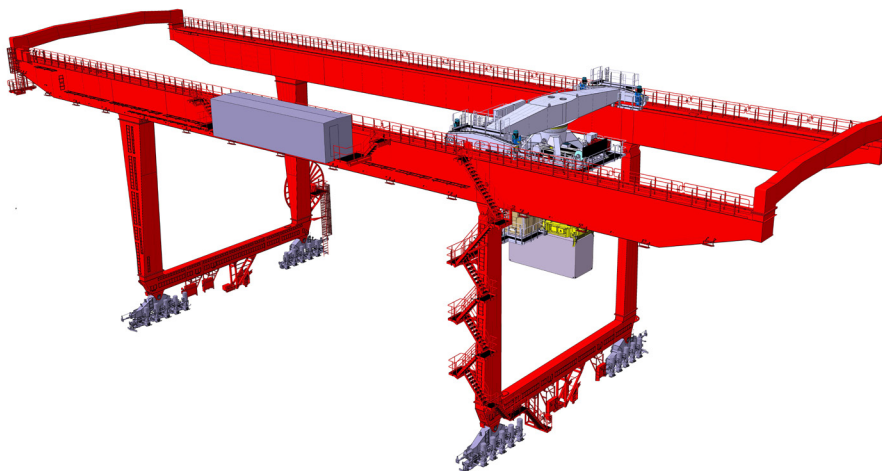
Design classifications (F.E.M)**Baseline****Optional**

Crane classification	U7/Q2/A7	U8/Q3/A8
Hoist mechanism	T7/L2/M7	T8/L3/M8
Trolley traversing mechanism	T7/L2/M7	T8/L3/M8
Gantry travelling mechanism	T7/L2/M7	T8/L3/M8
Trolley rotation mechanism	T5/L2/M5	T6/L3/M6

Classifications varied as required

Gantry rail requirements**Baseline****Optional**

Rail type	A100	AS86/A120
Railslope	0,5%	Over 0,5% case-by-case
Rail tolerance (ISO 12488-1)	Class 1 (installation) / Class 3 (operation)	Class 2 / Class 4





KALMAR

Making your every move count

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