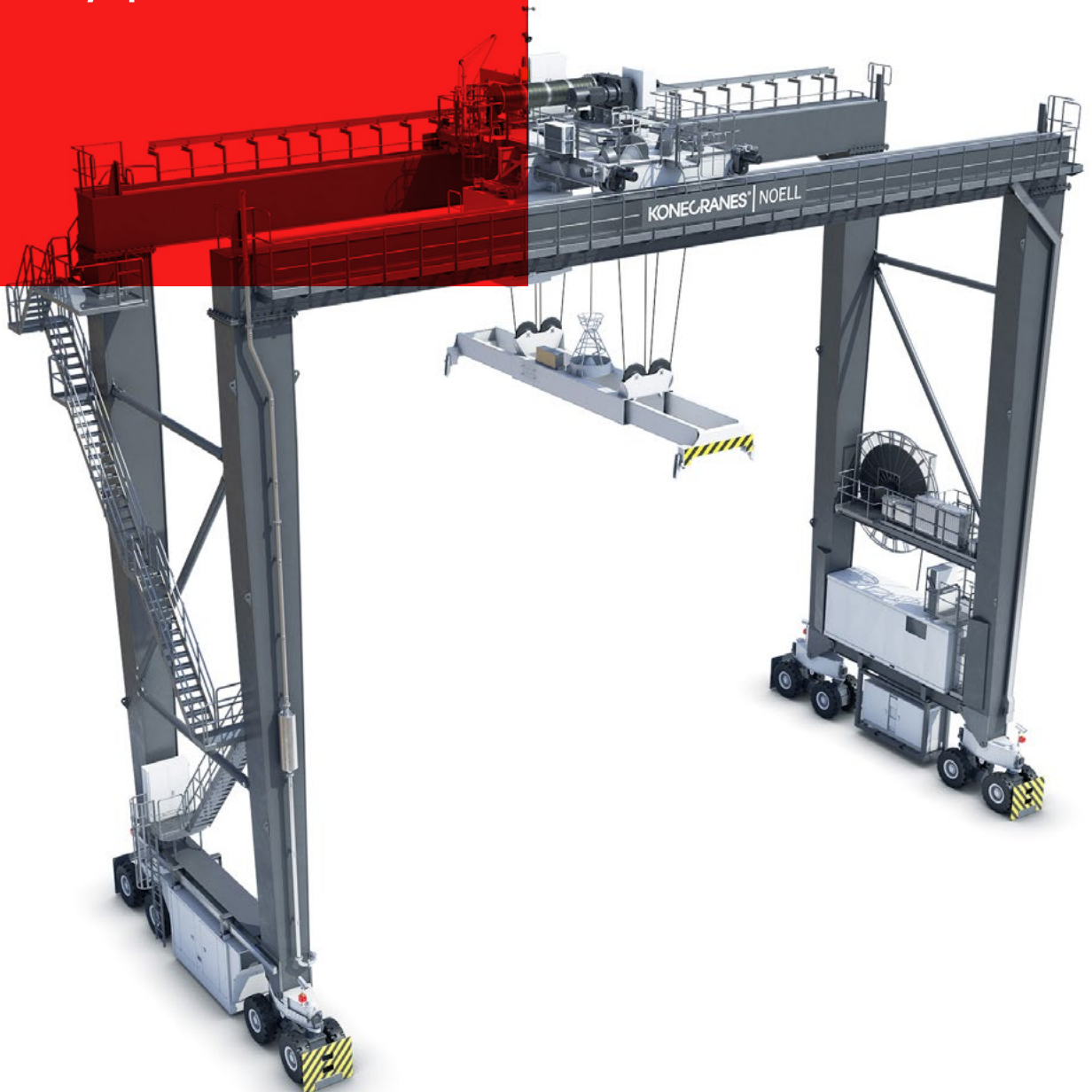


FEATURES AND TECHNICAL INFORMATION

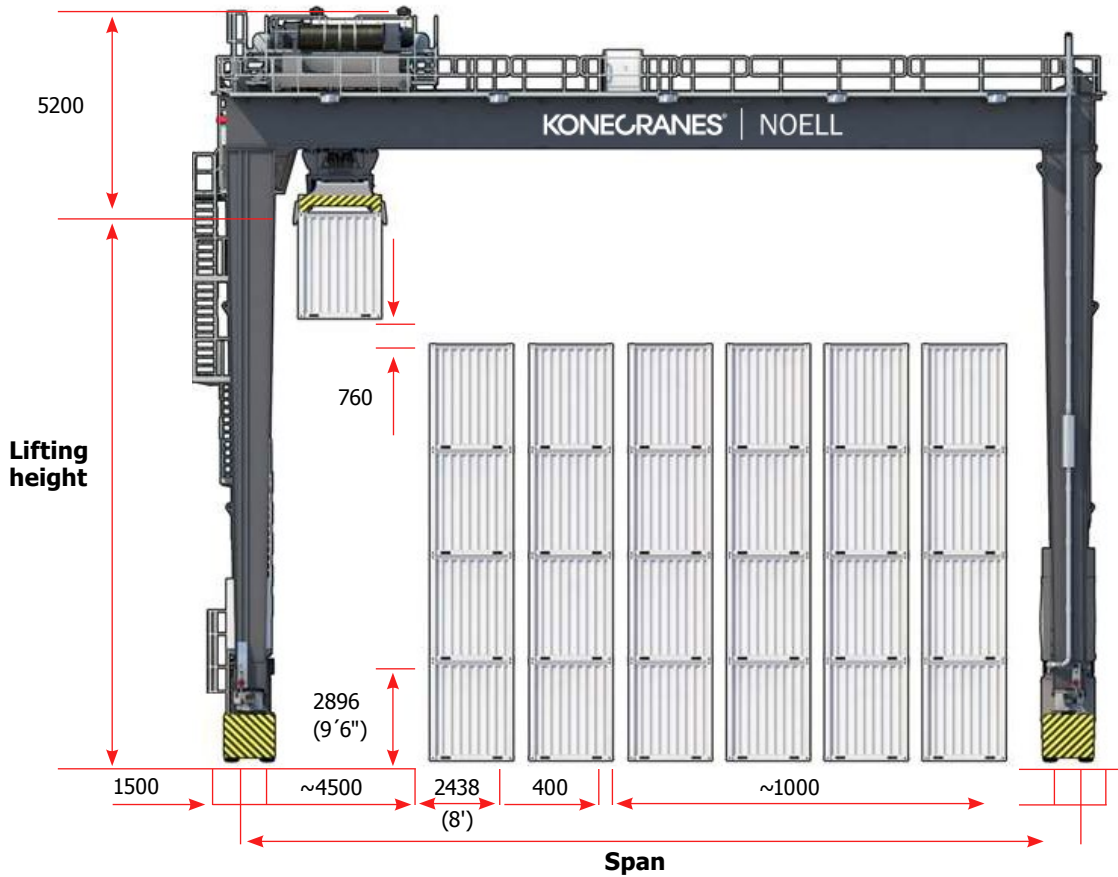
# Konecranes Noell RTG

The steady performer



## Konecranes Noell RTG

# Dimensions and speeds



Width	Span*	Height	Lifting height	Hoisting speed, 8-wheeler / 16-wheeler
5+lane	20,800	1-over-3	12,340	<b>With load</b> 23 to 26 m/min
6+lane	23,600	1-over-4	15,240	<b>Empty spreader</b> 52 to 58 m/min
7+lane	26,400	1-over-5	18,100	<b>Trolley traversing speed</b> 70m/min
		1-over-6	21,000	<b>Gantry</b> 130m/min

\*According to terminal dimensions

# Konecranes Noell RTG

## For a reliable yard operation

The Konecranes Noell RTG is known as the steady performer. We have made some important improvements to the crane. We made the steel structure lighter, upgraded the bogies with direct drive, and upgraded the trolley with the Konecranes DynaPilot

anti-sway system. The crane comes with Konecranes motors and gear reducers. If you are committed to RTG-driven yard operations, the Konecranes Noell RTG will steadily drive your business for many years to come.

**IMPROVED TROLLEY**  
Maintenance-friendly layout, smooth performance, lightweight design.

**DYNAPILOT ANTI-SWAY**  
Effective, maintenance-free anti-sway.

**UPGRADED STEEL STRUCTURE**  
Steel structure is manufactured under Konecranes supervision, comes with C5H surface treatment.

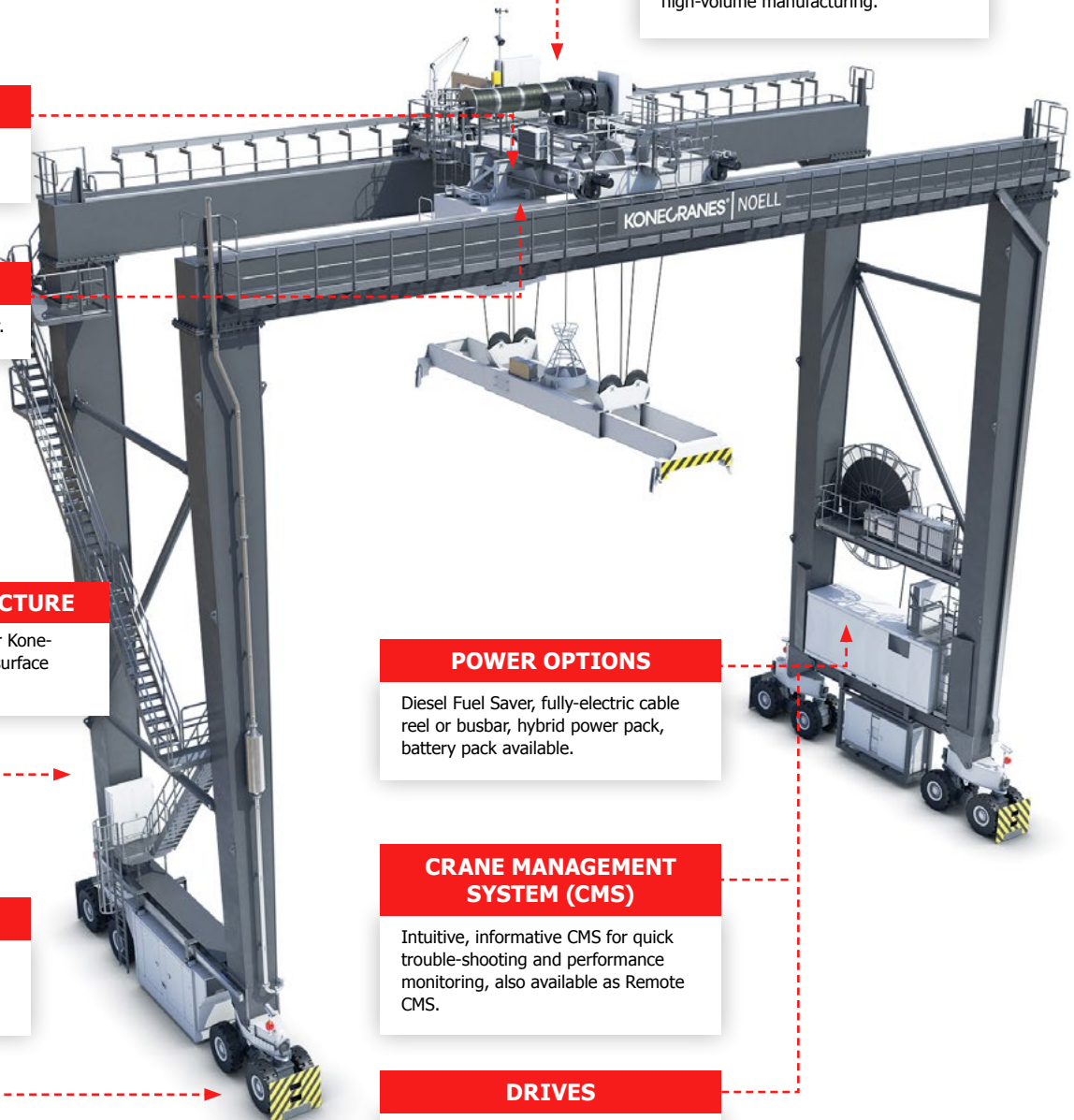
**AUTO-STEERING**  
Optional Auto-steering (GPS-based) keeps crane on pre-programmed, straight path.

**CORE OF LIFTING**  
We design the integrated motor/gearbox system package, specifically for this RTG crane and the motions it performs. This in-house approach allows us to meet your specific needs with the benefits of high-volume manufacturing.

**POWER OPTIONS**  
Diesel Fuel Saver, fully-electric cable reel or busbar, hybrid power pack, battery pack available.

**CRANE MANAGEMENT SYSTEM (CMS)**  
Intuitive, informative CMS for quick trouble-shooting and performance monitoring, also available as Remote CMS.

**DRIVES**  
Konecranes or Siemens inverter drives are used for the controls, tested in-house by Konecranes.



## Konecranes Noell RTG

# Operating concept

### Cabin and remote operation

The cabin is spacious, with good ergonomics and visibility. Remote operation is also possible, putting your operators in an office environment where their work can be more productive because RTG waiting and idling time is minimized. The operator task list also becomes more diverse.

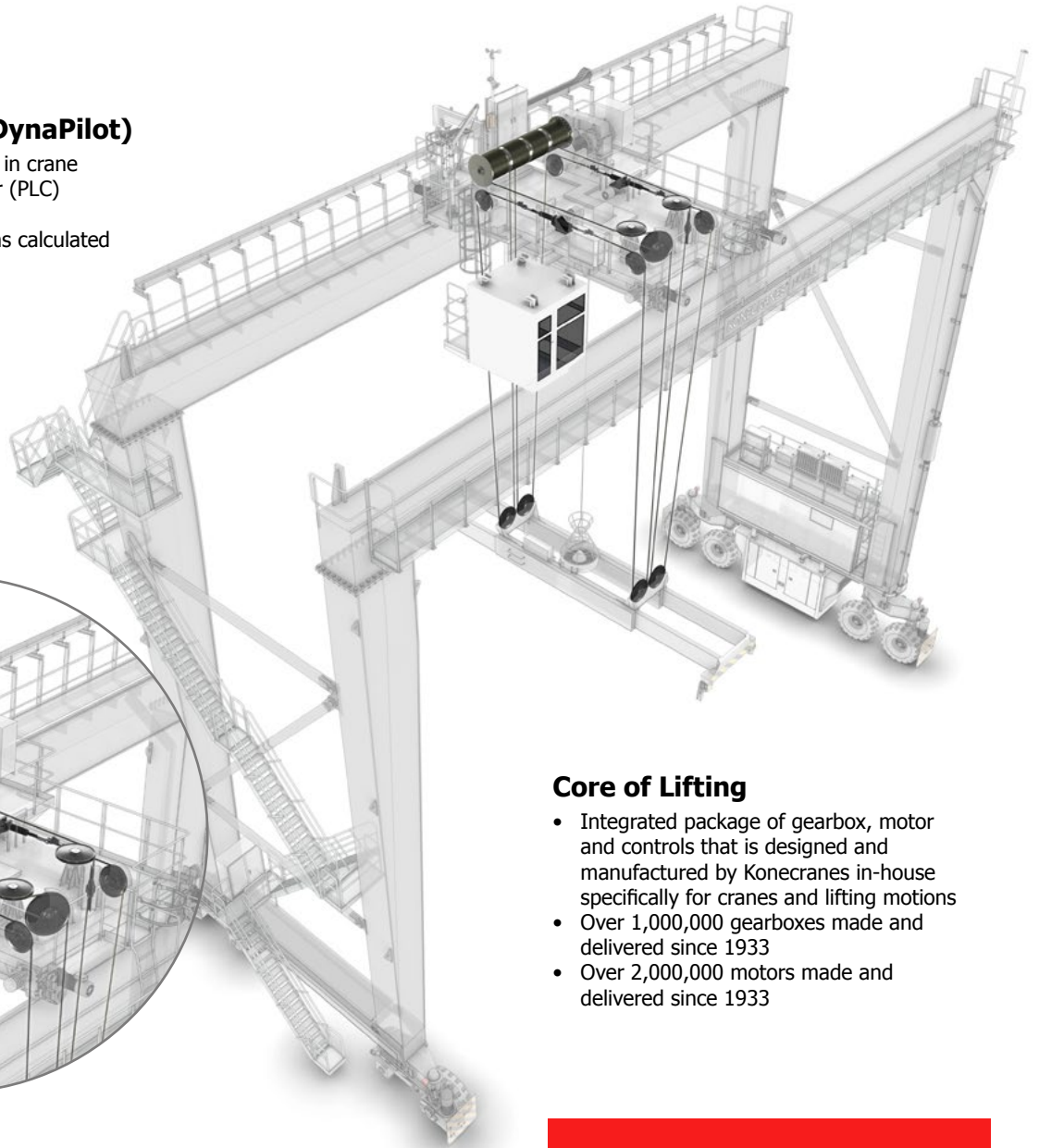




# Konecranes Noell RTG Trolley

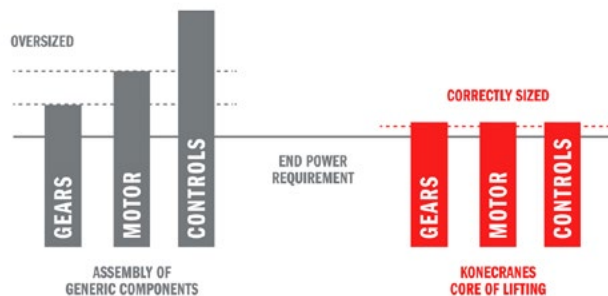
## Electronic anti-sway (DynaPilot)

- Anti-sway software embedded in crane Programmable Logic Controller (PLC)
- Maintenance-free
- Trolley and gantry accelerations calculated to minimize sway



## Core of Lifting

- Integrated package of gearbox, motor and controls that is designed and manufactured by Konecranes in-house specifically for cranes and lifting motions
- Over 1,000,000 gearboxes made and delivered since 1933
- Over 2,000,000 motors made and delivered since 1933



**NEW!**  
Silent components for  
silent hoisting

## Konecranes Noell RTG

# Technical data

### Main parameters

Lifting capacity	40LT
Performance	30 containers/hr
Main dimensions, vertical	1-over-3 up to 1-over-6
Main dimensions, horizontal	Up to 7 + truck lane
Simultaneous movements	Two movements

### Speeds

### Electrical anti-sway

Hoisting with load	23 to 26 m/min
Hoisting, empty spreader	up to 60
Trolley	70 m/min
Gantry	130 m/min

### Sway prevention system

### Electrical anti-sway (DynaPilot)

Performance	30+ containers/hr
All Smart Features + remote available	
Fine positioning	Optional spreader side-shift
Trim	±3°
Skew	±5°

### Bogies

### 8 wheels / 16 wheels

Tire size / pressure, bar	16 wheels 14.00 x 24 / 10, 8 wheels 18.00 x 25 / 10
Wheel load, tons, with 1-over-5 and 6 + truck lane, max. load, no wind	15.1 for 16-wheeler, 30.6 for 8-wheeler
Runway width	Min. recommended 1.5m
Wheels driven	50% (for both 8-wheeler and 16-wheeler)

### Main options

DGPS Auto-steering	Dual-antenna technology for accurate real-time heading info and rapid signal recovery
Diesel Fuel Saver System	Fully variable speed application

**Konecranes Noell RTG****Smart Features, components,  
power options****Smart Features\***

Auto-steering	Keeps RTG on a pre-programmed, straight path creating "virtual rails" +/-100mm
Auto-positioning	Automatically stops gantry & trolley over next container target slot based on "hold to run" approach (requires Auto-steering)
Auto-truck Guiding	Automatically guides the truck to position under the RTG in line with the bay, like entering a car wash
Stack Collision Prevention	Helps crane operator (or remote operator) prevent container collisions and knock-downs when a container is moved in bay direction
Truck Lift Prevention	Automatically stops hoisting motion if a truck lift is detected
Auto-path Optimizing	Increases container handling efficiency in the stack
Auto-TOS Reporting	Enables accurate yard inventory

\*All Konecranes Noell RTGs are delivered with built-in readiness for remote operation

**Core of Lifting components\***

Motors*	Konecranes
Gear reducers*	Konecranes
Drive system*	Konecranes/Siemens drives
Programmable Logic Controller (PLC)	Siemens

\*Extended 5-year warranty available for key Konecranes components

<b>Power supply options</b>	<b>Primary power source</b>	<b>Secondary power source</b>
Diesel engine	X	X
Cable reel 3-phase, 400V-10kV	X	
Busbar, 460-500V	X	
Hybrid	X	
Battery pack	X	X
Auxiliary genset		X

**Konecranes is a world-leading group of Lifting Businesses, serving a broad range of customers, including manufacturing and process industries, shipyards, ports and terminals. Konecranes provides productivity enhancing lifting solutions as well as services for lifting equipment of all makes. In 2021, Group sales totaled EUR 3.2 billion. The Group has approximately 16,600 employees in around 50 countries. Konecranes shares are listed on the Nasdaq Helsinki (symbol: KCR).**

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