

SHUTTLEWAGON

MOBILE RAILCAR MOVERS



*The most powerful and reliable
railcar movers in the industry.*

DIESEL & ELECTRIC
Move more railcars safely.

shuttlewagon.com

SHUTTLEWAGON
MOBILE RAILCAR MOVERS

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 **Wabtec**
CORPORATION

NXT423

SHUTTLEWAGON
MOBILE RAILCAR MOVERS





Shuttlewagon

The most powerful and reliable railcar movers in the industry.

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EST. 1972

Models & Specifications

Fostering innovation into real world practical railcar handling solutions.



SHUTTLEWAGON
COMMANDER
 Up to **4,130 TON**
 Pushing/Pulling Capacity

The New Commander NXT Series shares many of the same features as the larger Navigator but comes in a smaller package. Equipped with the latest technology for maximum operator comfort and safety.

SPECIFICATIONS	NXT318	NXT423	NXT527	NXT631
WEIGHT	44,300 lbs	49,500 lbs	54,900 lbs	61,000 lbs
LENGTH (To end of couplers)	274"	274"	274"	274"
WIDTH	102"	102"	102"	102"
TRACTIVE EFFORT	26,400 lbs	31,200 lbs	36,000 lbs	41,300 lbs



SHUTTLEWAGON
NAVIGATOR
 Up to **6,000 TON**
 Pushing/Pulling Capacity

The Navigator Series incorporates the most power and advanced technologies available to ensure safety and reliability are never compromised.

SPECIFICATIONS	NVX5025	NVX6030	NVX7035	NVX8040
WEIGHT	61,000 lbs	67,000 lbs	73,000 lbs	101,000 lbs
LENGTH (To end of couplers)	296"	296"	296"	296"
WIDTH	120"	120"	120"	120"
TRACTIVE EFFORT	38,000 lbs	45,000 lbs	50,000 lbs	60,000 lbs

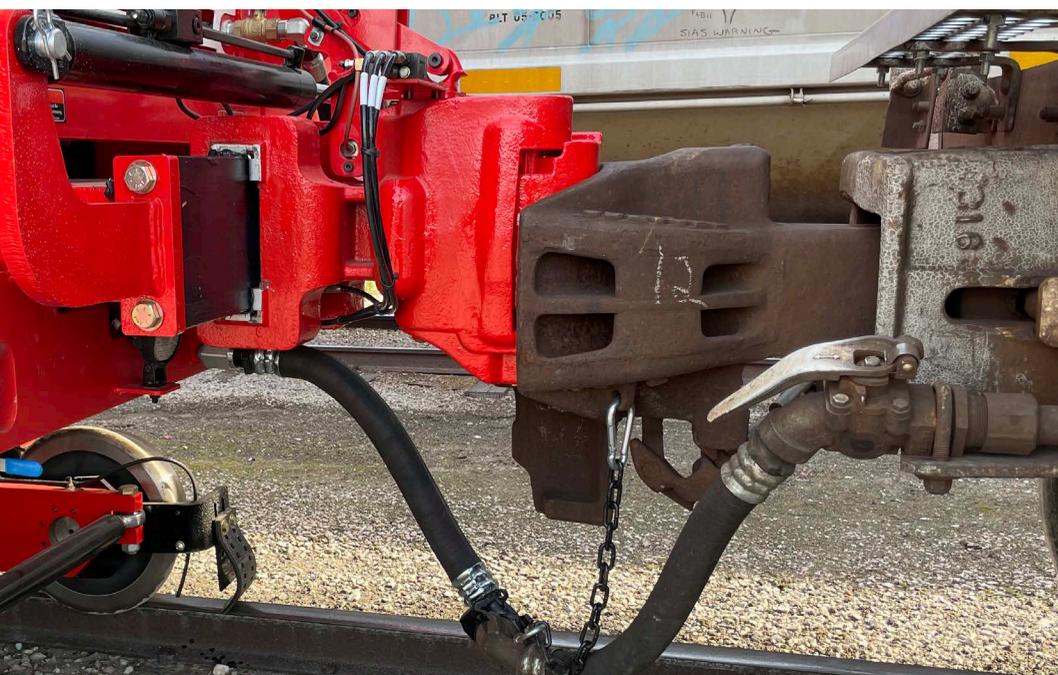


Rubber-Tire Drive ***Better traction than a steel wheel***

Unlike a weight transfer machine with complicated hydraulics, Shuttlewagon rides on rubber tires and is guided by steel wheels. As a result, Shuttlewagon reduces vibration and rides smoother while extending component life and increasing operator comfort.

Couple into our industry standard locomotive style AAR coupler and connect the air hose. Within seconds, you are moving railcars with controlled precision and without the loss of pulling capacity or weight when coupled directly to an empty railcar.

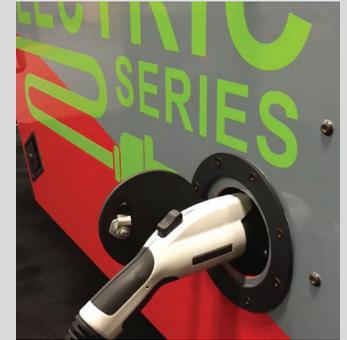
- *No lifting up the railcars to borrow weight*
- *No double coupling required to maximize tractive effort*
- *No reduction in pulling capacity when coupled to an empty car*



Electric Models & Specifications

**Fast Charge • Reduced Noise • Regenerative Braking
Zero Emissions • Precision Drive Technology**

The compact electric series are easy to operate, require low maintenance, and are efficient and powerful enough to handle the most demanding applications. Shuttlewagon's compact electric models range in power from 310 tons to 4,000 tons of towing capacity. For more robust applications requiring battery power, the Navigator NVXe can move up to 40 loaded or empty railcars.



MODEL	MAX TRACTIVE EFFORT	MAX TOWING/ PULLING CAPACITY	ELECTRIC MOTORS	BATTERY	MAX SPEED	WEIGHT	DIMENSIONS
	lbs	tons	HP	Ah/V	mph	lbs	L x W x H
SWXe-5	1,125	110	2.7	240 / 48	1.5 – 2.5	4,500	5' x 9' 10" x 1' 8"
SWXe-16	3,100	310	9	420 / 80	1.2 – 3.2	7,500	8' 6" x 7' 9 1/2" x 6 1/2'
SWXe-25	5,250	525	18.3	700 / 80	1.2 – 4	10,600	9' 10" x 7' 10 1/2" x 8' 5"
SWXe-32	7,400	740	30	1,000 / 80	2 – 3.5	13,600	10' 2" x 7' 10 1/2" x 8' 6"
SWXe-50	10,000	1,000	43	1,000 / 80	2 – 4	21,000	13' x 7' 6" x 8' 6"
SWXe-90	20,000	2,000	2 x 27	2 x 1,000 / 80	3.5 – 10	34,000	16' 5" x 8' 4" x 8' 6"
SWXe-120	26,000	2,600	2 x 40	2 x 1,400 / 80	3.5 – 10	46,000	26' x 8' 4" x 11' 6"
SWXe-160	32,000	3,200	2 x 54	3 x 1,400 / 80	3.5 – 10	62,000	26' x 8' 4" x 11' 6"
NVX-e	45,000	4,500	155 hp cont./ 230 hp intr.	200kW Li-ion	16	67,000	24'6"x10'x11'9"



SWXe-5



SWXe-16



SWXe-25



SWXe-32



SWXe-50



SWXe-90



SWXe-120



SWXe-160



NVXe

Performance & Savings

Revolutionize your operations, maximize efficiency, and minimize expenditure with our state-of-the-art railcar moving solutions.

SHUTTLEWAGON

NON-WEIGHT TRANSFER

Does not borrow weight from rail car.
Tractive Effort (lbs) when directly coupled to:

MODELS	LOADED RAILCAR	EMPTY RAILCAR	PASSENGER RAILCAR
NXT318	26,400 lbs	26,400 lbs	26,400 lbs
NXT423	31,400 lbs	31,200 lbs	31,400 lbs
NXT527	37,100 lbs	36,000 lbs	37,100 lbs
NXT631	41,300 lbs	41,300 lbs	41,300 lbs
NVX 5025	38,000 lbs	38,000 lbs	38,000 lbs
NVX 6030	45,000 lbs	45,000 lbs	45,000 lbs
NVX 7035	50,000 lbs	50,000 lbs	50,000 lbs
NVX 8040	60,000 lbs	60,000 lbs	60,000 lbs

LOCOMOTIVE

NON-WEIGHT TRANSFER

Does not borrow weight from rail car.
Estimated locomotive equivalent scale:

TRACTIVE EFFORT BY LOCOMOTIVE WEIGHT
45 Ton = 27,000 lbs
50 Ton = 30,000 lbs
55 Ton = 35,000 lbs
N/A
63 Ton = 38,000 lbs
75 Ton = 45,000 lbs
83 Ton = 50,000 lbs
100 Ton = 60,000 lbs

COMPETITORS

WEIGHT TRANSFER

Less weight to borrow = Less tractive effort.
Estimated tractive effort when coupled to:

LOADED RAILCAR	EMPTY RAILCAR	PASSENGER RAILCAR
27,000 lbs	15,000 lbs	18,500 lbs
30,000 lbs	16,000 lbs	19,500 lbs
33,000 lbs	20,500 lbs	24,200 lbs
N/A	N/A	N/A
N/A	N/A	N/A
44,000 lbs	31,500 lbs	35,000 lbs
N/A	N/A	N/A
N/A	N/A	N/A

Shuttlewagon Advantages

The right choice for your current railcar moving solution today.

- Average Fuel Consumption - 1.8 gallons per hour
- No need to idle in cold temperatures, further reducing fuel consumption
- Low cost Planned Maintenance programs
- Local parts availability and field technicians
- More road clearance
- Versatile - Converts from rail to road, allowing for coupling to front, rear, or center of the train for more efficient switching
- Tier 4 Cummins Engine on SWX and NVX models - No idling, no stack. burn-offs and reduced emissions
- Cummins Stage 5 Diesel engine on NVX models
- Four wheel drive available in off-road mode
- Infinite Range Train Air Brakes for maximum brake control
- Service Safety - No heavy "weight transfer" coupler beams or folding tires creating dangerous pinch points
- Derail Prevention – No lifting rail car off the center pin
- True 360° Visibility with or without cameras
- Operator Safety - No cramped space for operators connecting train air hoses
- Training - Included with every machine

Shuttlewagon delivers greater value in performance and cost savings regardless of your current railcar moving solution today.

Introducing Shuttle-Sync

A Revolutionary Multi-Unit Solution*

Shuttlewagon is proud to present Shuttle-Sync, our groundbreaking multi-unit (MU) solution designed to tandem two railcar movers together, delivering from ~1.5 to 1.9 times the tractive effort of a single railcar mover. This innovation mirrors the efficiency of locomotives but with the added flexibility and cost-effectiveness of using railcar movers, setting a new standard in the railcar moving industry.

How does Shuttle-Sync work?

- Shuttle-Sync’s primary unit controls both units from either the cab or Cattron remote control.
- Shuttle-Sync communication between the 2 Shuttlewagons is through the SAE-J1939 CAN communication protocol.
- Shuttle-Sync works on 2018 models or newer.
- Shuttle-Sync can only work with similar Shuttlewagons in terms of Engine, Transmissions and Gearing.
- Commander: SWX525 can only match with itself.
- Navigator: NVX6030, NVX7035 & NVX8040 can work together in any 2-unit combinations. NVX5025 can only match with itself.

*NXT318, NXT423, NXT527, NXT 631 launching Shuttle-Sync late 2024.



Estimated Tractive Efforts Listed Below		
Model 1	Model 2	~Total TE Pounds
SWX525	SWX525	55,670
NVX5025	NVX5025	68,400
NVX6030	NVX6030	75,810
NVX6030	NVX7035	78,755
NVX7035	NVX7035	81,700
NVX6030	NVX8040	94,335
NVX7035	NVX8040	97,280
NVX8040	NVX8040	112,860

Shuttle-Sync represents a significant leap forward for Shuttlewagon and the railcar mover industry. By combining the power of two units, it offers an unprecedented level of tractive effort, akin to locomotive capabilities but with the added benefits of flexibility, cost-effectiveness, and safety. This innovation is poised to transform the efficiency and effectiveness of railcar moving operations, solidifying Shuttlewagon's position as a leader in railcar moving solutions.

Shuttle-Sync Main Feature Categories

Requirements

- 2 Shuttlewagon units with Shuttle-Sync installed.
- Both connected units must be model year 2018 or newer.

Enhanced Tractive Effort

- Shuttle-Sync harnesses the power of two railcar movers, effectively combining their strengths to achieve significantly higher tractive effort. This capability is particularly beneficial for heavy-duty operations, providing the power of a locomotive with the agility of a railcar mover.

Streamlined Operations

- Shuttle-Sync offers increased mobility and flexibility over a locomotive. Shuttlewagons are bimodal and can travel on both rail and roadways, providing economical and efficient operations. Shuttle-Sync takes this a step further by offering enhanced power without sacrificing maneuverability.

Cost-Effectiveness

- Shuttle-Sync offers a more economical alternative to traditional locomotives, which are often expensive to purchase and maintain. Shuttlewagon Mobile Railcar Movers are known for their cost-effectiveness in terms of lower fuel consumption, fewer crew to operate, and lower maintenance costs.
- Shuttle-Sync is designed to offer these same economic advantages, reducing operational costs while boosting efficiency.

Flexibility

- Tandem Shuttle-Sync can be operated from the primary cab or remote control.
- The same controls are available in Shuttle-Sync mode or as a single Shuttlewagon.

Performance

- Has the highest Tractive Effort of any Road/Rail Railcar Mover.

Safety

- Utilizes not only the power of the 2 Shuttlewagons, but also the combined railcar mover braking as well as the combined compressed air of both railcar movers for train braking.
- Camera view from both Shuttlewagons is visible from the primary Shuttlewagon.
- Near-immediate vehicle response with low latency ~250ms delay between vehicles to allow for safe control of both vehicles.
- All secondary vehicle operator interfaces are locked out when in Multi-Unit mode except vehicle braking and E-Stop.



Standard Features

For all our SWX Commander and NVX Navigator models.



- 180-degree rotating console with a multifunction display.
- Dual four-way air suspension seats for operation from either side of cab when in rail mode.
- Air-knife adverse weather rail drying system.
- Anti-lock braking system.
- Dynamic traction control.
- Pull out sander boxes with wide mouth lids for easy loading. Air activated sanders for smooth dispensing.
- Two air ride operator seats.

- Exterior mounted cameras and cab monitor to view couplers & rail wheels.
- Wide range AAR sliding couplers are air released and hydraulically positioned to improve pulling performance on curves and grades.
- Full width cab with rotating operator console.
- 90 Gallon fuel tank.
- Shuttle Watch shock monitoring sensor.
- Powerful air-knife increases capacities up to 50% in adverse weather.

Optional Features

Get the most out of your Shuttlewagon with these available options.

Safety Options

- Air Bell
- Remote Spotlight
- Extended Lights Package
- Idle Shutdown
- Surround Camera System
- 360 Degree Perimeter Camera Package
- Line-of-Sight Camera Package
- Digital Video Recorder
- Vigilance System
- Shock Impact Monitoring
- Smart Start Keypad System

Paint Options

- Custom Colors and Logos
- Corrosion Resistance Clear Coat
- Corrosion Resistance
- Rhino Protective Lining

Convenience Options

- Cold Weather Package
- Safety Package
- Snow Plow
- Rotary Broom
- Snow Blower 10,000 CFM
- Remote Monitoring – Telematics
- Radio Remote Control
- Hose Reel
- Heated Mirrors
- Automatic Lubrication System

Extended Warranty

- Extended Machine Warranty
- Extended Engine Warranty
- Planned Maintenance

Road/Rail “V” Snow Plow*

- 1-plug connect
- Hands-free plowing
- Joystick controlled
- 6 positional options
- Works on and off the rail
- Landing gear for easy coupling and uncoupling
- Dura Stick paint with Teflon



Road/Rail Maintenance Broom*

- Clears in and around all rail applications
- Rids of snow and debris on tracks, crossings, switches and off rail
- Landing gear for easy coupling and uncoupling
- Heavy duty stainless steel and nylon bristle broom
- No spark polymer bristle option



Shuttle Track Mobile Equipment Manager

Manage your Shuttlewagon from your web browser



Get all the information you need to monitor and manage your Shuttlewagon while it's on the move or in use, all on a single screen, accessible anytime from any computer or device with an internet connection.

- **Dashboards** - What information matters most to your business? Customize your Mobile Equipment Manager dashboard for quick access to Shuttlewagon location and runtime data.
- **Reports** - Replace manual processes and paperwork with electronic reporting tools that you can access anytime, from anywhere to make better business decisions with insight into actual Shuttlewagon usage.
- **Geo-Fencing** - Be notified when your Shuttlewagon leaves a designated geographical area to eliminate losses due to theft.
- **GPS Tracking** - Get real-time GPS location data for your Shuttlewagon, displayed on the familiar Google Maps interface. Bread crumb reports show a historical view of asset locations.
- **Alarms** - Receive alerts by text or e-mail when pre-defined conditions are met (Excessive runtime, machine parameters, or Shuttlewagon movement into or outside of the geo-fence). Notifications may be escalated and/or sent to multiple contacts.
- **Runtime** - Know how long your Shuttlewagon was running to decrease maintenance costs and improve reliability.

The Safer Choice

Offering more standard safety features than any other brand.



It's important to keep safety measures top-of-mind, and to review best-practices frequently in order to avoid dangerous workplace incidents.

- Integrated Safety
- 360 degree view from cab
- Full-width pass through cab on every model
- Visual & audible warning alarms
- 180 degree rotating console
- Console slide for operator reach
- Rail mode; operate from any side of machine
- Automatic Engine Shutdown
- Telematics with shock-load/impact monitoring
- Overhead interior mirrors *
- Surround camera system
- 360 degree perimeter camera package *
- Digital Video Recorder (DVR) *
- Vigilance control *
- Dead man switch *
- Industry leading Red Zone space
- Fewest pinch points across brands
- Easily accessible service points
- No need to block machine during maintenance
- 13 exterior lights
- Groundman crossover platform
- Anti-skid deck plate
- Wide top-to-bottom, accessible ladders
- FCC licensed 450mHz remote control*
- Switchman Remote Emergency Shutdown*
- Infinite Range Train Air Brakes for maximum brake control
- Service Safety - No heavy "weight transfer" coupler beams or folding tires creating dangerous pinch points
- Derail Prevention – No lifting rail car off the center pin
- True 360° Visibility with or without cameras
- Operator Safety - No cramped space for operators connecting train air hoses
- Training - Included with every machine

*Aftermarket installation available

Parts

We ship your parts same day and are always following trends to ensure we have the right inventory stocked at all times.



Update your machine with new aftermarket parts

Shuttlewagon aftermarket support team provides customers with a wide range of services for all makes and models or mobile rail car movers. From 24-hour support to fast turnaround on parts and shop services, customers can keep business moving with our nationwide rental fleet and expert technicians.

- Parts for all makes and models
- Service manuals
- Operations manuals
- Parts books
- OEM parts for all Shuttlewagon units
- Machine Troubleshooting
- On-site customized training and install

Service

Nationwide service through Shuttlewagon's dealer network or with our factory-trained technicians who work on all makes and models of railcar movers and other industrial equipment.

- 24-hour field service
- On-site operator training
- Field and shop services
- Customized preventative maintenance agreements
- Emergency repairs
- Scheduled maintenance
- Coverage programs
- Comprehensive vehicle inspection
- Field install add-on options
- Training refresher courses
- Customized training and manuals
- One-on-one/On-site operator training
- Field and shop services
- Customized PM



We deliver the help you need, when you need it most.



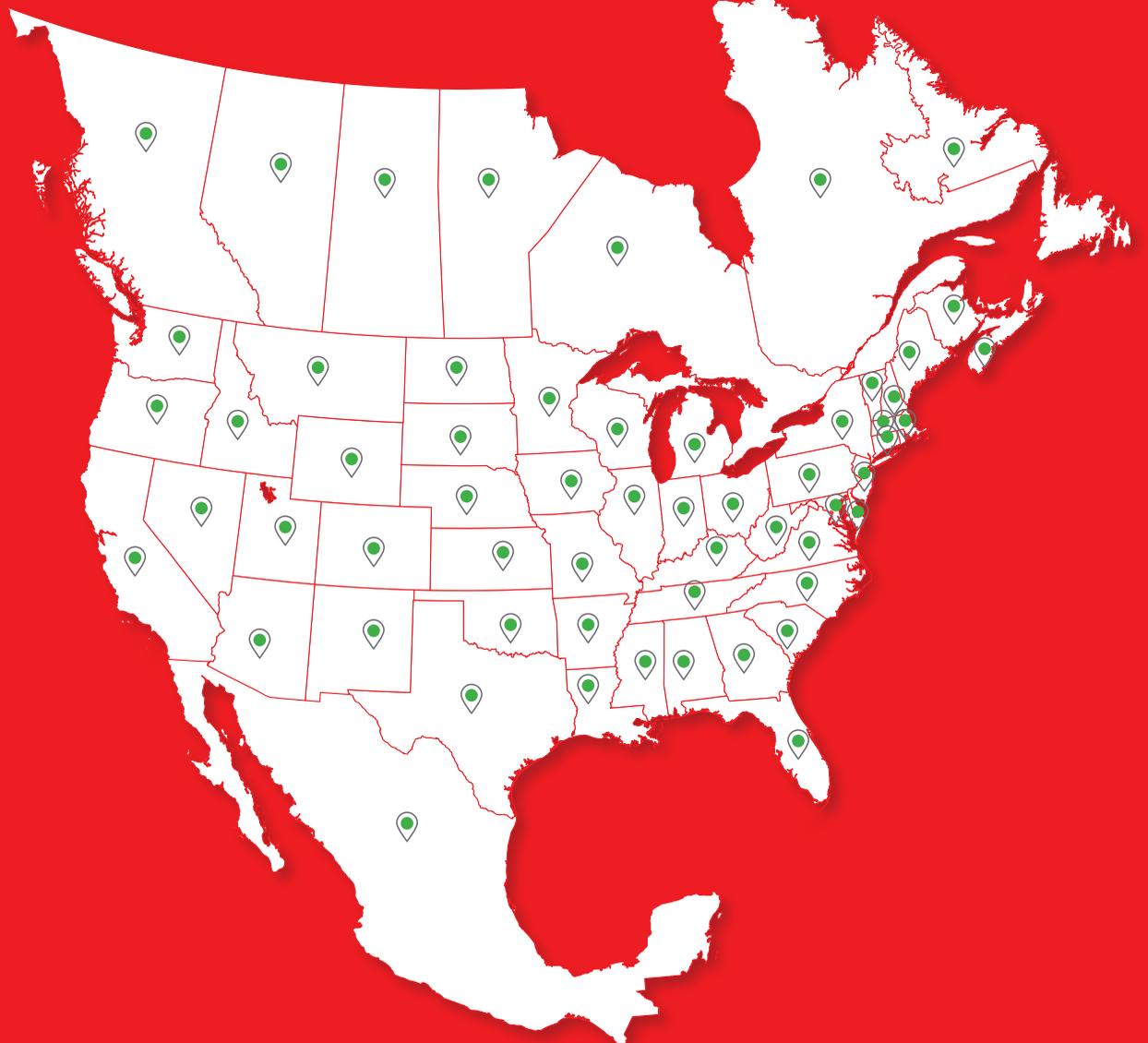
Contact:

Reach out to your local dealer for Shuttlewagon field service, or if you are not in a designated dealer territory, please email ShuttlewagonSupport@Wabtec.com.

Shuttlewagon's Growing Dealer Network

For New, Used, Service, Parts and Rentals

Strategically placed across the United States, Canada and Mexico, Shuttlewagon's exclusive dealer network is ready to support you for New, Used, Rentals, Parts and Service. Our dealers provide customized solutions for each unique site application.





CONTACT SHUTTLEWAGON AND

**MAKE YOUR
MOVE TODAY!**



Outside the United States, Shuttlewagon, Inc. is partnered with key distributors in Canada and Mexico as well as representatives and agents elsewhere.



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Email Support: ShuttlewagonSupport@Wabtec.com
shuttlewagon.com



Proudly made
in the USA.



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MOBILE RAILCAR MOVERS



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NXT

*The next generation
of railcar movers*

shuttlewagon.com



SHUTTLE WAGON



NXT423

SHUTTLE WAGON

NXT423

SHUTTLE WAGON



WARNING
DO NOT VIBRATE
OF THE CAR B
FOR BRACK
ED CAR ONLY

Introducing

Commander NXT

The next generation of railcar movers

- The Future is Now 4*
- Sliding Cab 6*
- Inside the Cab 8*
- Modern Operation 10*
- Powertrain 12*
- Performance 14*
- Data & Diagnostics 16*
- Maneuverability 18*
- Visibility Technology 20*
- Serviceability 22*
- Safety 24*
- Additional Features 26*



THE FUTURE IS NOW

The NXT optimizes the operator experience with its unique, optional, sliding cab design, extending the operator's line-of-sight around railcars for safer and more precise operations.

Within its modern cab, the NXT offers an upgraded user interface and ergonomic joystick controls, enabling operators to adjust the throttle and braking response for improved maneuverability and control.

Powered by the efficient and powerful Cummins Stage 5 engine, the NXT meets the highest EPA emissions standards while reducing service touchpoints for easy maintenance. The new, innovative, ShuttleLaunch feature ensures maximum tractive effort and minimum wheel slip, making railcar mobilization more efficient and tire-friendly.

The NXT's advanced telematics and diagnostics system provides

comprehensive machine feedback and remote troubleshooting, offering unparalleled visibility of machine asset performance.

Designed with a narrower frame and a class-leading 60-degree curve capability, the NXT is perfect for navigating through tight spaces and corridors. It combines enhanced visibility features, such as large windows, a 180-degree rotating operator station, high-definition cameras, and ample LED lighting, ensuring safe operations day and night.

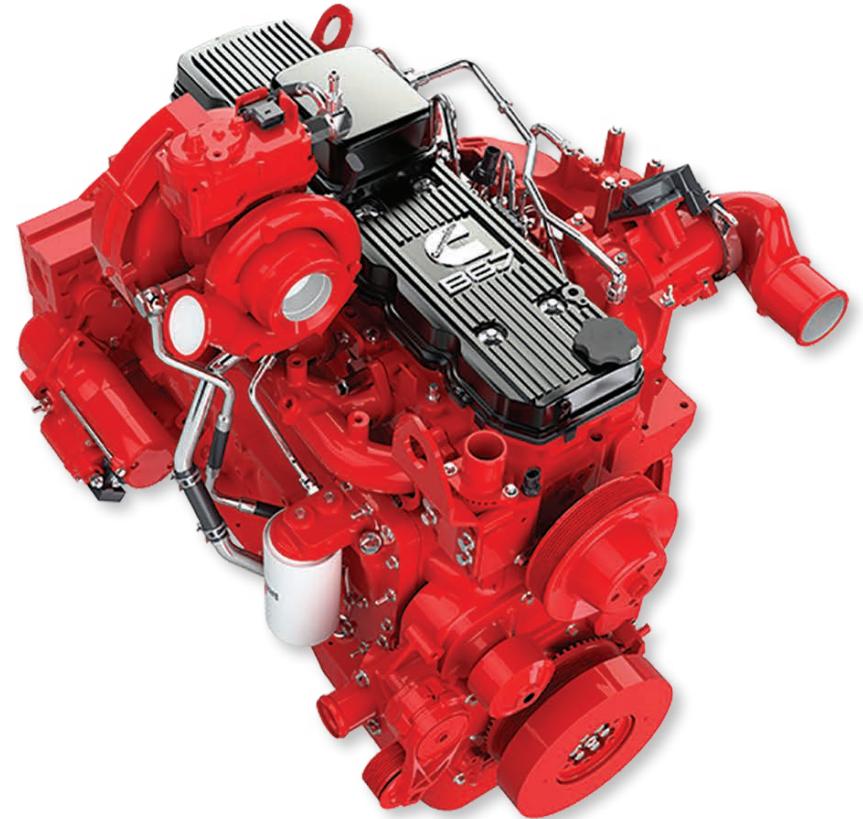
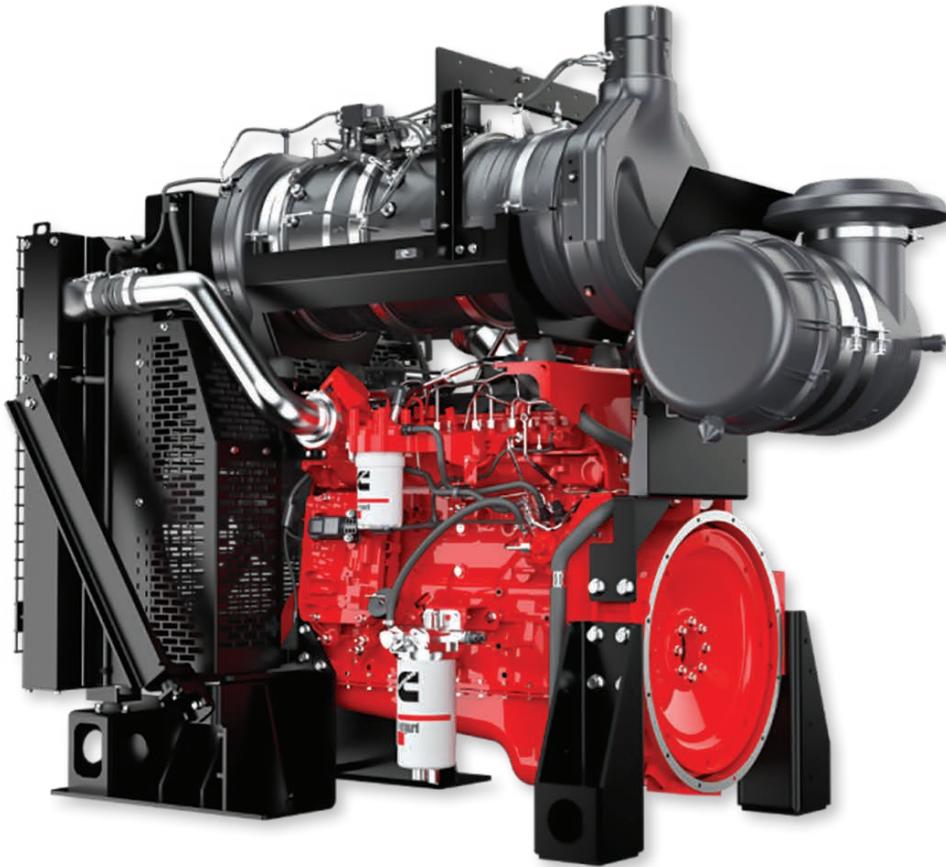
With compartmentalized components, easy-access filter locations, and a remote-mounted transmission, service and maintenance are simplified, decreasing downtime and extending service intervals.

In essence, the NXT marries innovation with precision, efficiency, and operator comfort, setting the stage for the future of rail operations.



NXT

CUMMINS STAGE 5 ENGINE



INNOVATIVE. EFFICIENT. POWERFUL.

Meets the highest EPA emissions standards while reducing service touchpoints for easy maintenance.

NXT SLIDING CAB

A revolutionary leap forward in safety and efficiency, this extraordinary machine is set to redefine industry norms. Envision a railcar mover that arms operators with unparalleled visibility, significantly reducing risks, while boosting productivity. No longer a product of mere imagination, the future is now realized in the NXT.

The NXT boasts a revolutionary design with an optional sliding cab that provides an extended 12-inch line of sight around railcars. This allows operators to navigate more safely and efficiently around the worksite. But that's not all, the NXT gives the operator the ability to position themselves a full 4 inches further than our previous models, like the Commander SWX. This exceptional range is a huge leap forward in operator safety and machine control.

Compared to the SWX, the NXT is narrower with a width of 102 inches, enabling it to easily navigate tight spaces while maintaining a commanding presence on the rails. Despite its slimmed down design, it offers superior performance and convenience without compromising on durability and power.

The NXT is designed with the operator in mind, enhancing visibility, safety, and control to optimize productivity on the tracks. It's not just about doing the job, it's about doing the job right, the first time, every time.

Leap into the future with NXT, the next generation of railcar movers. Enhance your operation, increase safety, and drive productivity to new heights.



*12 inch line of sight
around railcars.*



**ENHANCED
VISIBILITY.
INCREASED
SAFETY.**

***102 inch width for
easy navigation***

***14 LED lights for
enhanced visibility***

NXT INSIDE THE CAB

With the Commander NXT, Shuttlewagon has redefined the operator's experience by incorporating modern design with upgraded user interface and ergonomics. This isn't just a railcar mover; it's a reimagined workspace designed to elevate performance and enhance user comfort.

The NXT's cab is a sanctuary of comfort and control. Every inch of it was designed with the operator's comfort and functionality in mind, starting with the seat and operator controls. Our engineers have outfitted the NXT with a highly comfortable, fully adjustable, air ride enabled seat. With customization in all directions, the seat conforms to the operator's preferences, providing comfort and movement throughout the work day. But the NXT's operator-first design doesn't stop at the seat. The NXT brings full machine control to the operator's fingertips. Whether viewing camera feeds, interacting with display feedback, or controlling the machine, everything is within reach without leaving the comfort of the seat.

With a complete view of all camera screens and unrestricted access to all controls, the NXT ensures that you won't have to swivel or move to manage the on-rail versus on-road characteristics of the railcar mover. This design eliminates the need for unnecessary movements, boosting efficiency and reducing operator fatigue.

The NXT exemplifies elevated comfort, intuitive usability, and accessible controls, delivering a multi-faceted upgrade to the user experience. Every feature of the NXT is meticulously designed to not just simplify the operator's role, but to also make it more efficient and pleasurable.

No more compromises. With the NXT, you can enjoy superior comfort without sacrificing control. The NXT is more than a machine; it's your partner on the rails. Experience the revolution in railcar movers with the NXT. Step into the future of comfort, efficiency, and control today.



*This isn't just a
railcar mover...*

**COMFORT.
CONTROL.
EFFICIENT.**



...it's a reimagined workspace designed to elevate performance and enhance user comfort.

NXT MODERN OPERATION

The Commander NXT introduces next-generation control with its joystick operation system, making the complex task of operating a railcar mover as intuitive as playing a video game. It takes the power of control and places it directly into the hands of the operator, revolutionizing the way moving railcars is performed.

The NXT's steering system brings a heightened level of precision and responsiveness to the operator's control. Unlike traditional control systems, the NXT offers smoother, more intuitive handling, paving the way for improved operational efficiency.

The joystick control isn't just about ergonomics, it's about customization. Operators can now adjust the throttle and braking response of the joystick to their personal preference. Like video game players tuning the responsiveness of their controllers, NXT operators can modify the rate or 'ramp' of response for the machine's throttle

and braking controls. This capability allows operators to fine-tune the NXT's performance to their unique operating style, maximizing efficiency and comfort.

The NXT doesn't just change the game; it changes the rules. It allows you to work smarter, not harder, by adapting to your unique style and needs. The NXT eliminates the one-size-fits-all approach, offering a personalized operating experience like no other.

To complement the superior control, the NXT is fitted with upgraded high-definition cameras, offering unparalleled visibility and safety. The crisp and clear images make it easy for operators to monitor their surroundings and carry out operations with an unmatched level of precision and confidence.

Experience the power of personalization with the NXT. Control has never been this comfortable.



The NXT is more than a machine, it's a paradigm shift in railcar movers.

***WORK SMARTER.
NOT HARDER.***



***It combines comfort, control, and customization
in a way that's never been done before.***

NXT POWERTRAIN

The Commander NXT is powered by the mighty Cummins Stage 5 engine package, which meets the most stringent emissions standards today. Going beyond just power and performance, we've put a strong focus on sustainability. We've made sure that the NXT isn't just a powerhouse on the tracks, but also a responsible choice for the environment.

EPA Stage 5 emissions standards represent the pinnacle of clean diesel technology. By adhering to these standards, the NXT's engine ensures minimal environmental impact, making it the cleanest diesel engine on the market. When you choose NXT, you're not just choosing efficiency and performance, you're also choosing a greener future.

But the NXT's environmental benefits don't come at the expense of performance or convenience. The Cummins Stage 5 engine package

boasts fewer service touchpoints, thanks to the absence of an EGR system and the presence of a single-piece after-treatment in the exhaust system. This thoughtful design simplifies maintenance and troubleshooting, making the NXT as easy to care for as it is efficient to operate.

The NXT isn't just built to perform, it's designed to outperform – while maintaining an unwavering commitment to sustainability. Experience the power and peace of mind that comes with NXT. With unmatched power, innovative controls, modern comfort, and a commitment to the environment, the NXT is setting new standards in railcar mover technology.

Drive into the future with NXT – where power, performance, and sustainability converge.



*The cleanest diesel
engine on the market.*

**POWERFUL.
INNOVATIVE.
ECOFRIENDLY.**

When you choose NXT, you're not just choosing efficiency and performance, you're also choosing a greener future.

NXT PERFORMANCE

The Commander NXT delivers to your facility with its groundbreaking, patented, ShuttleLaunch technology - a system meticulously engineered to optimize tractive effort, minimize wheel slip, and significantly extend tire life. It's not just a feature, it's a revolution in railcar mobilization.

Every NXT machine comes with ShuttleLaunch integrated into its system, a testament to Shuttlewagon's commitment to constant innovation and efficiency. The mechanics of ShuttleLaunch may seem complex, but its benefits are immediately tangible. Upon activation, the ShuttleLaunch system assumes control of the machine to set a consist of railcars in motion. It's here that the NXT truly shines.

By leveraging the advanced machine software, controls, and sensors, the ShuttleLaunch system continually monitors the machine to maximize the application of torque to the wheels. This intelligent control prevents wheel slip and propels the load efficiently, ensuring the most effective, controlled mobilization of railcars.

But the genius of ShuttleLaunch doesn't stop at motion initiation. Once the consist reaches a speed of 1 MPH, control is seamlessly returned to the operator. Should the operator not take over, the system maintains a steady 1 MPH movement. This intelligent feature ensures an effortless transition of control, maintaining safety and efficiency at all times.

ShuttleLaunch isn't just about getting railcars moving; it's about doing so in the most efficient way possible. It maximizes machine performance while reducing tire wear, delivering a level of operational efficiency that's unmatched in the industry.

Experience the future of railcar mobilization with the NXT. Where other systems struggle, the NXT with its ShuttleLaunch technology excels, transforming challenges into effortless operations. Leap into a new era of railcar moving with the NXT - where maximum efficiency meets uncompromised control.



*ShuttleLaunch
Technology.*

Wabtec
CORPORATION

DRAIN DAILY

Automatic/Manual Air Drain Valve

**SAFETY.
CONTROL.
INTELLIGENT.**

**Maximum Efficiency meets
uncompromised control.**

NXT DATA AND DIAGNOSTICS

The Commander NXT, our latest generation of railcar movers, is equipped with enhanced telematics and diagnostics. This advanced feature propels the NXT into a class of its own, enabling seamless tracking, analysis, and communication.

With the NXT, you're not just operating a machine; you're interacting with a highly intelligent system. Our advanced telematics equip the NXT with a multitude of sensors that continuously monitor machine performance, gathering a wealth of data that can be uploaded to the cloud network.

This feature doesn't just facilitate improved visibility of machine asset performance but also simplifies troubleshooting. By storing this valuable information, the telematics system enables remote diagnosis, drastically reducing downtime and enhancing overall operational efficiency.

In the event of a performance issue, the NXT's diagnostics system promptly detects and identifies the problem, offering valuable insights for swift resolution. By providing real-time feedback, it empowers operators and maintenance teams with the information they need to troubleshoot effectively and promptly.

In a world where data is power, the NXT puts this power into your hands. Its advanced telematics and diagnostics system offers a depth of understanding about the machine's performance that was previously unattainable.

With the NXT, troubleshooting becomes a proactive, not reactive, process. Embrace the future of railcar moving, where advanced technology drives performance, efficiency, and reliability. Welcome to the NXT era of data-driven railcar mobilization.



Simplify Troubleshooting.

**ADVANCED
TELEMATICS.**

The future of railcar moving.

NXT MANEUVERABILITY

The Commander NXT is your key to unlocking new opportunities. Boasting a sleek, narrow design at 102" wide, it has been specifically engineered to navigate tighter spaces with ease. This brings with it access to facilities previously inaccessible due to constrained tunnel walls or limited operational areas.

But the NXT doesn't stop at fitting into tighter spaces—it takes maneuverability to a class-leading level. A standout feature is its 60-degree curve capability, a testament to our commitment to unrivaled performance. Combined with an improved turning radius, the NXT effortlessly navigates crossings and gets on and off tracks around facilities with constricted areas.

The compact size of the NXT is paired with a design aimed at enhancing rail stability—a narrower wheelbase, and standard dual 16-inch rail wheels on each corner of the machine. This engineering design allows the NXT to smoothly handle tighter curves due to the machine's shorter wheelbase.

Moreover, the dual 16-inch rail wheels at each corner emulate the stability of an equivalent 40-inch rail wheel. This remarkable stability not only benefits when navigating tight curves but also when maneuvering complex rail infrastructures like switches, frogs, and more.

The NXT is about revolutionizing the meaning of efficiency. Its exceptional maneuverability and enhanced stability transform challenging railcar moves into streamlined operations. With its dynamic design and advanced features, even the most intricate moves become a smooth, seamless experience. The NXT embodies a new paradigm of proficiency, redefining the shunting experience. Navigate the complexities of railcar operations with the class-leading NXT, a machine that overcomes challenges with unprecedented ease.

Experience the perfect synergy of a compact design, and class-leading curve capability with the NXT. Welcome to a new era in railcar moving—where versatility meets control, and performance is redefined.



*60-degree curve
capability*

ENHANCED RAIL STABILITY.



*16-inch rail wheels for
handling tighter curves*

*Easily navigates
tighter spaces.*

NXT VISIBILITY TECHNOLOGY

The Commander NXT is the epitome of innovation that reshapes the way you see railcar operations. At its core, the NXT is designed with the operator in mind, providing unparalleled visibility through a perfect blend of smart design and cutting-edge technology.

The NXT boasts a cab design that emphasizes expansive views. Its large windows offer a panoramic perspective of the operational environment, ensuring operators have a clear line of sight at all times. But that's just the beginning. The NXT's operator station rotates 180 degrees, enabling effortless operation in reverse, reducing the need for awkward and unsafe over-the-shoulder maneuvers, or driving backwards with only a camera to guide you.

In our pursuit of flawless visibility, we've also ensured a minimal height hood top to further unobstructed sightlines. But we didn't stop there. The NXT comes equipped with high-definition cameras. These six strategically positioned cameras ensure full machine visibility, each

one carefully placed to maximize viewing angles.

Visibility is crucial at all times, and that's why we've given careful thought to the NXT's lighting. The machine features 14 high-intensity LED lights, a substantial increase from the previous model's four. This boost in lighting provides improved visibility for night operations, ensuring safety and accuracy around the clock.

With the NXT, visibility is not an option, it's a standard. Every feature, from the rotating operator station to the increased LED lighting, is designed to provide unparalleled visibility, giving operators the confidence to perform tasks efficiently and safely.

Experience a new era of visibility with the NXT, where every detail is designed to keep you, the operator, in clear sight of your operation. Welcome to the future of railcar operations, where every aspect is crystal clear.



*Expansive views for
unparalleled visibility.*



**UNPARALLELED
VISIBILITY.
CUTTING EDGE
TECHNOLOGY.**

***180 degrees rotating
operator station.***

***14 high-intensity
LED lights.***

NXT SERVICEABILITY

The Commander NXT is the paragon of serviceability in the realm of railcar movers. The NXT sets the benchmark in its class, prioritizing ease of maintenance and efficient operations. Our innovative design philosophy breaks down the machine into compartmentalized components. The compartmentalization of the Air box, Hydraulic box, Fuel box, and Electrical/Control box ensures each component is easily accessible to technicians and operators, simplifying the maintenance process.

Complementing this is the strategic placement of filters that promotes quick and easy preventive maintenance updates, reducing machine downtime. The NXT doesn't just function efficiently, it also maintains itself efficiently. This machine is designed to spend more time on the tracks and less time in the shop.

With serviceability at its core, the NXT features a remote-mounted transmission that not only provides ease of access for service but also simplifies removal if required. In designing the NXT, we've considered

every aspect of the machine's maintenance, providing full access around the transmission for unparalleled serviceability.

But we've pushed the boundaries even further. The NXT axles are equipped with wet disc brakes. These wet disc brakes enhance the machine's performance by providing increased braking power and reducing braking distance. Plus, they extend the service interval for machine brakes, increasing operational uptime and reducing maintenance costs.

An emergency electro-hydraulic backup pump ensures additional peace of mind.

The NXT redefines serviceability, providing class-leading maintenance accessibility and enhanced operational efficiency. With the NXT, we've reimagined not just how railcar movers work, but how they're maintained. Embrace the NXT, where every design choice embodies our commitment to serviceability and reliability.



Pushing the boundaries.



***EASY ACCESS.
SIMPLIFIED
MAINTENANCE.***

Redefining serviceability and providing class-leading maintenance accessibility.

NXT SAFETY

When it comes to safety, the Commander NXT sets a new standard in the railcar mover industry. It is meticulously designed to provide the safest operating environment with features focused on enhanced visibility, advanced telematics, robust lighting, and standard AAR couplers.

The NXT provides unparalleled operator visibility through its modern cab design with large windows and a 180-degree rotating operator station, allowing for safe operation in reverse. It also features high-definition cameras specifically positioned to maximize viewing angles, ensuring full machine visibility. The inclusion of 14 LED lights, significantly more than its predecessors, enhances visibility during night operations, minimizing risks and improving safety.

The NXT's advanced telematics system is another testament to its commitment to safety. With more sensors and available data uploaded to the cloud network, it provides comprehensive real-time machine feedback. This allows for immediate remote troubleshooting

and better visibility of machine asset performance, thus averting potential issues before they can pose a safety risk.

Using a standard AAR coupler, like a locomotive, the NXT ensures secure and reliable connections between railcars. It's a feature that not only boosts safety but also showcases the NXT's compatibility with a wide range of rail vehicles.

Furthermore, the NXT stands out with its class-leading red-zone space, offering ample clearance with no pinch points. This thoughtful design feature mitigates the risk of injuries during operations, further enhancing its safety profile.

In summary, the NXT's commitment to safety is unrivaled, blending enhanced visibility, robust telematics, efficient lighting, reliable coupling, and optimized space design to ensure the highest level of safety in the railcar mover industry.



*Enhanced visibility,
both day and night.*



**SETTING A NEW
STANDARD FOR
SAFETY.**

***Advanced
telematics.***

***Robust
lighting.***

***Standard AAR
coupler.***

***No pinch
points.***

NXT ADDITIONAL FEATURES

Innovative, advanced, intuitive: the Commander NXT is more than just a railcar mover—it's the future of efficient and precise rail operations. Among its pioneering features are the steer-by-wire system and the automatic straightening of rail wheels—elements designed not just to enhance performance, but to transform your rail operation experience.

The steering system in the NXT goes beyond traditional steering methods. This innovative feature enables the NXT to have precise control over the steering angle, ensuring optimal positioning at all times. This level of precision and control translates to improved performance, greater safety, and heightened efficiency in operations. But the NXT doesn't stop at knowing the precise angle of steer. It takes a step further by ensuring that the wheels are in the perfect

position when transitioning onto the rail and commencing rail operations. The NXT is capable of automatically straightening its tires, a vital feature to guarantee the tires are inline with the rail. This precise alignment allows the tires to float with the rail wheels when traversing the rail in rail mode operation, ensuring smooth and efficient movement.

The NXT's unique ability to adjust wheel positioning automatically is a game-changer for rail operations. It's not just about getting the job done, but about getting it done with precision, efficiency, and ease. With the NXT, every feature is meticulously designed to create an unparalleled rail operation experience. Embrace the NXT—where innovation drives precision, and precision drives performance.



*It's more than just a
railcar mover...*

NXT423



**INNOVATIVE.
ADVANCED.
INTUITIVE.**

***...it's the future of efficient and precise
rail operations.***

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MAKE YOUR
MOVE TODAY!**



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