SHUTTLEWAGON
MOBILE RAILCAR MOVERS
Since 1972

SHUTTLEWAGON
RAILCAR MOVERS
Move More Railcars Safely

New – Used – Parts – Service – Rental
www.shuttlewagon.com
A REVOLUTION IN RAILCAR MOVERS
RUBBER-TIRE DRIVE

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

Shuttlewagon’s advanced system achieves 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, 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.
Models and Specifications

Every new Shuttlewagon includes a two year or 4,000 hour warranty and comes with support of factory-trained technicians.

Up to 25 Loaded Cars

Commander Series is powerful, versatile, and dependable. Equipped with latest technology for maximum operator comfort and safety.

Up to 40 Loaded Cars

Navigator Series represents the highest pulling capacity for rail car movers in the industry.

Up to 60 Loaded Cars

Bi-Modal Mobile Mover

Zero Emissions - Lithium Ion
Eliminate your carbon footprint

Contact Shuttlewagon for more information

---

**Commander Series**

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>SWX315</th>
<th>SWX420</th>
<th>SWX525</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEIGHT</td>
<td>43,000 lbs</td>
<td>46,000 lbs</td>
<td>55,000 lbs</td>
</tr>
<tr>
<td>LENGTH (TO END OF COUPLERS)</td>
<td>242&quot;</td>
<td>242&quot;</td>
<td>260&quot;</td>
</tr>
<tr>
<td>WIDTH</td>
<td>120&quot;</td>
<td>120&quot;</td>
<td>120&quot;</td>
</tr>
<tr>
<td>TRACTIVE EFFORT</td>
<td>27,000 lbs</td>
<td>30,000 lbs</td>
<td>35,000 lbs</td>
</tr>
</tbody>
</table>

**Navigator Series**

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>NVX5025</th>
<th>NVX6030</th>
<th>NVX7035</th>
<th>NVX8040</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEIGHT</td>
<td>61,000 lbs</td>
<td>67,000 lbs</td>
<td>73,000 lbs</td>
<td>101,000 lbs</td>
</tr>
<tr>
<td>LENGTH (TO END OF COUPLERS)</td>
<td>296&quot;</td>
<td>296&quot;</td>
<td>296&quot;</td>
<td>296&quot;</td>
</tr>
<tr>
<td>WIDTH</td>
<td>120&quot;</td>
<td>120&quot;</td>
<td>120&quot;</td>
<td>120&quot;</td>
</tr>
<tr>
<td>TRACTIVE EFFORT</td>
<td>38,000 lbs</td>
<td>45,000 lbs</td>
<td>50,000 lbs</td>
<td>60,000 lbs</td>
</tr>
</tbody>
</table>

**Specifications**

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>NVX9060</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEIGHT</td>
<td>117,000 lbs</td>
</tr>
<tr>
<td>LENGTH (TO END OF COUPLERS)</td>
<td>345&quot;</td>
</tr>
<tr>
<td>WIDTH</td>
<td>120&quot;</td>
</tr>
<tr>
<td>TRACTIVE EFFORT</td>
<td>85,000 lbs</td>
</tr>
</tbody>
</table>
Safety, Performance & Savings

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

### Shuttlewagon

- **“NON-WEIGHT TRANSFER”**
  - Does not borrow weight from rail car

### Locomotive

- **“NON-WEIGHT TRANSFER”**
  - Does not borrow weight from rail car

- **“WEIGHT TRANSFER”**
  - Less weight to borrow = Less tractive effort

#### Tractive Effort (lbs) when directly coupled to:

<table>
<thead>
<tr>
<th>SW Models</th>
<th>Loaded Railcars</th>
<th>Empty Railcars</th>
<th>Passenger Railcars</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWX 315</td>
<td>27,000 lbs</td>
<td>27,000 lbs</td>
<td>27,000 lbs</td>
</tr>
<tr>
<td>SWX 420</td>
<td>30,000 lbs</td>
<td>30,000 lbs</td>
<td>30,000 lbs</td>
</tr>
<tr>
<td>SWX 525</td>
<td>35,000 lbs</td>
<td>35,000 lbs</td>
<td>35,000 lbs</td>
</tr>
<tr>
<td>NVX 5025</td>
<td>38,000 lbs</td>
<td>38,000 lbs</td>
<td>38,000 lbs</td>
</tr>
<tr>
<td>NVX 6030</td>
<td>45,000 lbs</td>
<td>45,000 lbs</td>
<td>45,000 lbs</td>
</tr>
<tr>
<td>NVX 7035</td>
<td>50,000 lbs</td>
<td>50,000 lbs</td>
<td>50,000 lbs</td>
</tr>
<tr>
<td>NVX 8040</td>
<td>60,000 lbs</td>
<td>60,000 lbs</td>
<td>60,000 lbs</td>
</tr>
<tr>
<td>NVX 9060</td>
<td>85,000 lbs</td>
<td>85,000 lbs</td>
<td>85,000 lbs</td>
</tr>
</tbody>
</table>

#### Estimated locomotive equivalent scale

<table>
<thead>
<tr>
<th>Tractive Effort by Locomotive Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>45 Ton = 27,000 lbs</td>
</tr>
<tr>
<td>50 Ton = 30,000 lbs</td>
</tr>
<tr>
<td>55 Ton = 35,000 lbs</td>
</tr>
<tr>
<td>63 Ton = 38,000 lbs</td>
</tr>
<tr>
<td>75 Ton = 45,000 lbs</td>
</tr>
<tr>
<td>83 Ton = 50,000 lbs</td>
</tr>
<tr>
<td>100 Ton = 60,000 lbs</td>
</tr>
<tr>
<td>142 Ton = 85,000 lbs</td>
</tr>
</tbody>
</table>

#### Estimated tractive effort when coupled to:

<table>
<thead>
<tr>
<th>Loaded Railcars</th>
<th>Empty Railcars</th>
<th>Passenger Railcars</th>
</tr>
</thead>
<tbody>
<tr>
<td>27,000 lbs</td>
<td>15,000 lbs</td>
<td>18,500 lbs</td>
</tr>
<tr>
<td>30,000 lbs</td>
<td>16,000 lbs</td>
<td>19,500 lbs</td>
</tr>
<tr>
<td>33,000 lbs</td>
<td>20,500 lbs</td>
<td>24,200 lbs</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>44,000 lbs</td>
<td>31,500 lbs</td>
<td>35,000 lbs</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Shuttlewagon vs Locomotive

#### Operating Cost

- 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

#### Operational Advantages

- 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 - No idling, no stack burn-offs and reduced emissions
- More road clearance
- Four wheel drive available in off-road mode
The Safer Choice

#1 Infinite range train air brakes for maximum brake control
#2 Service Safety - No heavy “weight transfer” coupler beams or folding tires creating dangerous pinch points
#3 Derail Prevention – No lifting rail car off the center pin
#4 True 360° visibility with or without cameras
#5 Operator Safety - No cramped space for operators connecting train air hoses
#6 Training - Included with every machine

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
✓ Telematics with shock-load/impact monitoring
✓ Overhead interior mirrors *
✓ 360 degree perimeter camera *
✓ Digital Video Recorder (DVR) *
✓ Vigilance control *
✓ Dead man switch *

* Available as an option

Shuttlewagon includes more standard safety features than any other brand

✓ 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*
PARTS & SERVICE

From training to repair...

Strategically placed across the United States, Nordco’s Shuttlewagon team of field service expert technicians and trainers provide customized solutions for each unique site application.

Full Service Support

✓ 24-hour field service
✓ On-site operator training
✓ Field and shop services
✓ Customized preventative maintenance agreements

Nationwide service with factory-trained technicians who work on all makes and models of railcar movers and other industrial equipment

Field Service and Technicians

✓ 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
RENTAL & USED

Nationwide Fleet
Nordco’s Shuttlewagon unit has strategically placed mobile railcar movers of all makes and models across North America. Between our nationwide rental fleet and local-to-you service technicians, we’re here to keep you moving.

Rental Units
- Short and long term rental options on all makes and models
- Leasing options available through sound financial partners
- Low-hour late model units
- Reconditioned/Remanufactured units

Shuttlewagon Factory Direct
Used, Rebuilt & Refurbished
From competitively priced used machines to factory certified machines offered with full warranty, Shuttlewagon offers a wide range of pre-owned railcar movers to fit any budget.

Parts
We ship your parts same day and are always following trends to ensure we have the right inventory stocked at all time:
- 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

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.

We deliver the help you need, when you need it most.
## DESIGN YOUR SHUTTLEWAGON YOUR WAY

### Safety Options
- Air Bell
- Remote Spotlight
- Extended Lights Package
- Automatic Engine Shutdown
- Idle Shutdown
- Surround Camera System
- Digital Video Recorder
- Vigilance System
- Shock Impact Monitoring
- Smart Start Keypad System

### Convenience Options
- Cold Weather Package
- Safety Package
- Snow Plow
- Rotary Broom
- Remote Monitoring – Telematics
- Radio Remote Control
- Hose Reel
- Heated Mirrors
- Automatic Lubrication System

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

### Extended Warranty
- Extended Machine Warranty
- Extended Engine Warranty
- Planned Maintenance

## STANDARD EQUIPMENT

- “Air-knife” adverse weather rail drying system
- Anti-lock braking system
- Dynamic traction control
- Exterior mounted cameras and cab monitor to view couplers & rail wheels
- Full width cab with rotating operator console
- Two air ride operator seats
- 90 Gallon fuel tank

---

**For Pricing and Ordering**

Online at [www.shuttlewagon.com](http://www.shuttlewagon.com)

By phone: (816) 767-0300

Shuttlewagon
8701 Elmwood Avenue, Suite 300
Kansas City, MO 64132