

COMMANDER

SW420



The Commander series Shuttlewagon® defines railcar switching operations for today's needs. Powerful, versatile, and dependable, it incorporates the most advanced technologies available to ensure that safety and reliability are never compromised.

BY  **SHUTTLEWAGON**
MOBILE RAILCAR MOVERS

180° rotating console with color multifunction display. Dual four way air suspension operator seats for either side on-rail operator control.



Independently actioned railwheels and Pneumatically supported rubber drive tires for greater traction and reduced rail movement shock loading.



Pull out sander boxes with wide mouth lids for easy loading. Air activated sanders for smooth dispensing.



Wide range AAR sliding couplers are air released and hydraulically positioned. Improves pulling performance in curves and grades.



Safely attach glad hand hoses with ease; Shuttlewagon offers industry leading space between railcar and mobile railcar mover.



Large high density cross linked polyethylene (HDXLPE) 90 gallon fuel tank for extended operational capacity.



 **SHUTTLEWAGON, INC.**
4116 Dr. Greaves Road Grandview, MO 64030
(816) 767-0300 www.shuttlewagon.com

A  **Nordco COMPANY**
Service from the Ground Up.®

COMMANDER SWX420

Drawbar Pull: 30,000 lbs (133,200N) single coupled without weight transfer coupled to loaded or empty railcar

Drivetrain: Engine Power transmitted through a torque converter and transmission to Heavy Duty no-spin differential and planetary axle assemblies.

Engine: Cummins QSB 6.7 U.S. EPA Tier 3, 185 h.p. @ 2200 RPM

Transmission and Torque Converter: ZF, three speeds forward and reverse

Drive Shafts: Constant velocity Universal Shafts—Transmission to axle.

Axles: Two Axle Tech Heavy Duty, Planetary type.

Frame: Heavy Duty – 3" deck plate

Vehicle Brakes: Air over hydraulic actuated high pressure ABS disk brakes w/ Haldex pressure converter. Master cylinder front and rear

Train Brakes: Single engine driven compressor with total capacity of 80cfm.

Parking Brake: Internal disc, spring applied—hydraulically released.

Rail Guide Wheels: Four (4) 24-3/4" (629mm) diameter cast steel heat-treated rail guide wheels. AAR standard 56.5" (1435 mm) rail gauge.

Tires and Rims: 315/80 R 22.5 steel belted tubeless radial tires mounted on solid disk drop center rims.

Electrical System: 12 Volt DC 160 amp. Alternator with Dual 950 CCA batteries.

Hydraulic System: Constant pressure hydraulic system with 2.5 gallon, piston-type accumulator back-up.

Couplers: AAR direct couple "non-weight transfer" type coupler on each end. These couplers are hydraulically positioned on a slide bar. While moving cars a float position allows coupler to slide freely to negotiate the tightest curves.

Sanders: Four (4) Sand boxes with (8) electrically controlled, air operated nozzles.

Operator's Cab: Totally enclosed 360 degree visibility, sound insulated, full width 120" (3048 mm) wide, 60" (1524 mm deep) 72" (1829 mm) ceiling height. Two (2) air-ride, "high back", 4-way positionable operator seats one on either side of cab. 180 degree rotating operator's console with modern, color digital display. Cab air conditioning.

Lights: Operator's cab, interior dome, one clear, one red. Two (2) roofmounted strobe lights and LED head, tail and brake lights.

Warning and Safety Devices: Dual Blast-type, roof mounted air horns. Automatic backup alarm for road operation. High visibility power coated hand rails.

Dimensions:

Height: 131" / 3327 mm

Width: 120" / 3048 mm

Length : 242" / 6147 mm (to end of couplers)

Wheelbase: 92" / 2337 mm

Weight: 46,000 lbs / 20,863 kg

Performance:

Forward and reverse; both road and rail

First Gear: 0-3 mph / 0-5 kmph

Second Gear: 0-7 mph / 0-12 kmph

Third Gear: 0-17 mph / 0-28 kmph

Standard Features:

ABS vehicle brakes.

Anti-slip traction control (on-rail operations)

CAN-Bus electrical system.

90 gallon fuel tank.

30 gallon air reservoir

Three 12-volt power receptacles in cab.

Tinted cabin glass

Door mounted windshield wipers.

Non-slip cushioned floor mat.

Engine diagnostics adapter in console

High-Visibility powder coated hand rails.

Optional Features: Sampling, not included in base unit

Radio Remote Control

Spare Remote Transmitter

Switchman Emergency Shutdown

ShuttleTrak; Machine Telematics

Hydraulic Broom

Snow Plow

Cold Weather Package

Single Point Lube

Automatic Lube

Lockout-Tagout

Cab Controlled Exterior Spotlight

Cab Air Pressurizer

Corrosion Resistance Package

LED Work Lights

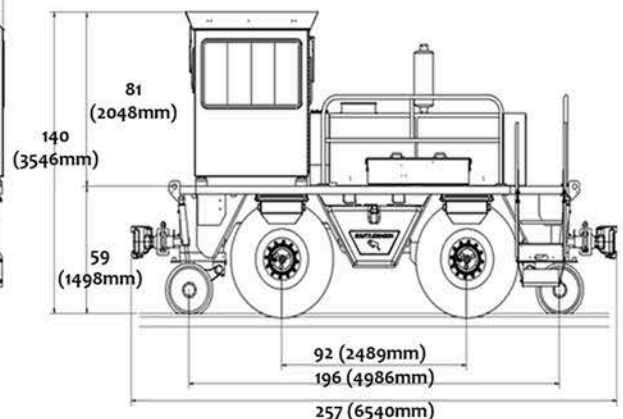
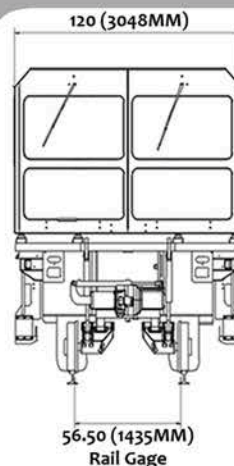
Air Knife

Air Bell

Rear Camera; Console Monitor

Fire Extinguisher

Additional Options available upon request.



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