

SHUTTLE WAGON SWX435Be

Draw Bar Pull: 30,000 lbs.**Engines:**

CUMMINS:	CATERPILLAR:
Cummins QSB 5.9	Caterpillar 3126B
(electronic)	(electronic)
Torque: 548 @1400 RPM	Torque: 501 @ 1500 RPM
185H.P. @ 2400 RPM	175H.P. @ 2500 RPM

Transmission: John Deere/Funk, bump-to-shift, constant mesh spur gearing 4 speed computer controlled, (forward and reverse) for both road and rail, equipped with torque converter. Shift protection (downshift and forward/reverse). Front axle disconnect for road travel. Gear & diagnostic LCD indicator.

First Gear: 0-2 mph**Second Gear:** 0-5 mph**Third Gear:** 0-9 mph**Fourth Gear:** 0-18 mph

Axes: Two off-highway planetary drive axles. No spin differential front and rear. Steer axle disconnect for road travel.

Brakes:

Service - Four wheel disc brakes. Cast iron disc. Air-over-oil actuation from dual controlled operator's station.

Parking - Internal running in oil disc brake. Parking brake indicator light in cab.

Rail Car - AAR Air connection for rail car brake system; cab mounted control valve, with two compressors developing a total of 50CFM

Rail Equipment: 24-3/4" diameter rail guide wheels. AAR standard 56.5" (1435mm) rail gauge, mounted to frame. Control of guide wheels is from four hydraulic cylinders, controlled from the cab. Rail suspension and vehicle suspension are independent, allowing ample travel for adverse track conditions and providing a smooth, quiet ride.

Coupler: Dual rail couplers (AAR) with automatic latch, air-operated unlatch, hydraulically positioned, controlled from cab.

Non-weight Transfer design w/coupler buffer system to reduce shock to car mover during coupling operation.

Hydraulic System: Variable rail pressure selection. Single pump load sensing circuitry. Accumulator circuit provides backup rail gear pressure. Conveniently located electrically controlled cartridge mono-block valve w/test ports. Easy to maintain system with throw away filters.

Frame:

All-welded steel plate construction 5" thick full-width and full-length deck plate. 3/8" steel plate fenders integrally welded into one frame assembly.

Pneumatic System: Dual compressor system produces 50CFM with dual full flow air dryers.

General Specs:

Fuel Capacity - 50 gallons
 Hydraulic Reservoir Capacity - 30 gallons
 Air Tank Capacity (rail brakes) - 8 CF
 Air Tank Capacity (vehicle brakes) - 1.4 CF
 Air Compressor - 50 CFM
 Air Filter (Engine) - Dry rep. Elements
 Oil & Fuel Filters - Rep. Elements
 Wheelbase - 92"
 Width - 110"
 Height - 131.5"
 Length - 232"
 Weight - 46,000 lbs.
 Ground Clearance - 10.5"

Cab:

Three-person, insulated, all steel 56" x 96" rubber mounted. Front windshield wiper with washer, dual wipers on rear door. Dual controls for forward and reverse operation on rail. Side view mirrors with large mirrors front and rear of unit for rail operation. Dual air horns. Fully adjustable air-suspended operator seat equipped with safety belt mounted on 180 degree swivel base. Two-person passenger bench equipped with seat belts. Anti-skid floor mats. 42,200 BTU heater with front and rear defroster fans. Four platform step ladders, one on each side of front and rear decks.

Steering: Hydrostatic power steering controlling front axle. Steering is locked out when on rail.

Electrical and Lights:

12 Volt starting and lighting with 130 amp alternator, headlights front and rear. Rear stop and tail lights, turn signals with four-way flashers. Cab lights, illuminated instrument panel, amber strobe light. Two heavy duty maintenance-free batteries; standard 1/4" blade type automotive fuses provide protection for electrical system. Front and rear rail wheel and coupler lights.

Tires & Rims: Four 315/80R22.5 radial steel belted tubeless tires mounted on solid disc drop center rims.

Gauges, Instruments & Controls:

Modular dash panel design allows easy removal for service. Engine oil pressure gauge, engine water and transmission oil temperature gauges. Fuel level, service brake pressure, rail air brake pressure, front and rear rail guide wheel pressure, tachometer, voltmeter, hourmeter. Automatic back up alarm.

Alarms consist of: Low engine oil pressure, low service air pressure, high water temperature, low oil pressure front and rear rail gear. Straight ahead indicator.

Sanders: Road or rail, electrically operated from cab. All drive wheels sanded for forward and reverse operation.

Factory Installed Options: 4 wheel steer, air conditioning and radio remote control

Note: Draw Bar Pull obtained varies with rail and weather conditions. Dimensions and weight do not include any optional equipment. Specifications are subject to change without notice.