

## SWXe-50

### Specifications



UP TO  
**1,000 TON**  
PUSHING/ PULLING  
CAPACITY  
Tractive Effort: 10,000 lbs (44kN)  
single coupled without weight  
transfer to loaded or empty railcar.



- **LOW OPERATING COSTS**
- **LOW MAINTENANCE COSTS**
- **PERFORMANCE**
- **REDUCED NOISE**
- **ZERO EMISSIONS**

For Narrow or wide applications: Please consult with factory.  
\*Note: Tractive effort may vary with rail and weather conditions.  
Dimensions and Weight do not include optional equipment.  
Specifications are subject to change without notice.

### SWXe-50 General Specifications

Drawbar Pull	10,000 lbs
Pushing/Pulling Capacity	1,000 Tons
Motor	30 rail, 7,5 road
Battery	1.000/80 Ah/V
Max Speed	2 – 4 mph
Road Tires (mm)	23x10-12, Super elastic solid tires
Road Bracking System	n°4 drum brakes 250, Parking Brake
Rail Wheels (mm)	520 Politek 85 Sh
Rail Braking System	n°4 wet brakes, n°2 parking brakes
Road Turning Radius (m)	7,6
Air Train (l/min)	280
Air Tank (l)	1x100
Weight	21,000 lbs
Dimensions (LxWxH)	13' x 7' 6" x 8' 6"
Axles	Planetary-type rail axles. Full-time four wheel drive. Planetary-type road axle. Two wheel drive.
Frame	Fabricated from SS355 cold rolled steel plate
Rail Gear	Four, 20,5" (520 mm) with Politek 85 Sh tread
Couplers	Depending on the application
Brakes	Rail mode: No. 2 independent circuits powered by hydraulic electro-pump. SAHR wet disc parking brake. Road mode: Drum brakes on the rear axle. SAHR wet disc parking brake.
Cab	Steel cabin completely closed with lockable door. 360-degree cab visibility.
Electrical	80 volt for the drive line. 24 volt electrical system for the auxiliary.
Warning Signal	One electrical horn. Back up alarm for on-road operation.
Tires & Rims	23x10-12, Super elastic solid tires
Hydraulic Reservoir Capacity	6.6 gal
Air Tank Capacity Rail Brakes	N/A
Vehicle Brakes	Hydraulic

**SHUTTLEWAGON ELECTRIC RAILCAR MOVERS PRODUCT RANGE**

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"

**Efficient • Economical • Environmental**

**• Low Operating Costs**

Electric vehicles are dramatically cheaper to fuel than their diesel counterparts. The cost of the electricity has remained fairly static over the last decade, whereas the global oil market has caused the average price of gasoline to rise, drop, spike, dip, and rise again over the same time period.

**• Low Maintenance Costs**

Despite being an advanced technology, electric vehicles are remarkably simple to maintain. Electric motors have fewer moving parts compared to diesel engines, and they do not require changing filters or hydraulic oil.

**• Performance**

An electric engine generates instant torque whereas an internal combustion motor has a curve of torque that increases in tandem with engine revolutions per minute (rpm).

**• Reduced Noise**

Electric motors are quieter than diesel engines and there are no engine-induced vibrations on-board.

**• Zero Emissions**

When running, battery operated vehicles produce zero emissions.