

SWXe-16

Specifications



UP TO
300 TON
PUSHING/ PULLING
CAPACITY
Tractive Effort: 3,100 lbs (13kN)
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-16 General Specifications

Drawbar Pull	3,100 lbs
Pushing/Pulling Capacity	300 Tons
Motor	7,5 kW rail. 44 kW road
Battery	450/80 Ah/V
Max Speed	1.2 – 3.2 mph
Road Tires (mm)	2x381 Cushion, 1x343 Cushion
Road Braking System	n°2 drum brakes 250
Rail Wheels (mm)	520 Politek 85 Sh
Rail Braking System	n°4 drum braks 250 n°2 drum brakes 250 parking brake
Road Turning Radius (m)	1,9
Air Train (l/min)	
Air Tank (l)	
Weight	7,500 lbs
Dimensions (LxWxH)	8' 6" x 7' 9 1/2" x 6 1/2'
Axles	Planetary-type rail axles. Full-time four wheel drive. Rear road axle with 2 idle wheels and front steering driven wheel.
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: Proportional hydraulic braking system acting on the idle wheels actuates n. 2 hydraulic drum brakes (1 per wheel). SAHR wet disc parking brake.
Cab	N/A
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	2x381 Cushion 1x343 Cushion
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.