

SPECIFICATIONS

HIGHLANDER® JR. SPREADER

Model	HL-JR-6	HL-JR-7	HL-JR-8	HL-JR-9
Hopper Length	72"	80"	92"	108"
Hopper Height	35"	35"	35"	35"
Hopper Width	48"	48"	48"	48"
Overall Length	96"	104"	116"	132"
Capacity (Cubic Yards Level)	.92	1.5	1.86	2.35
Hopper Extensions	N/A	N/A	N/A	N/A
Spreader Empty Weight	770 lb.	830 lb.	890 lb.	1,000 lb.
Hopper Construction	14 GA	14 GA	14 GA	14 GA
Number of Hopper Side Supports (Per Side)	2	3	3	3
Conveyor Width - 15"	Standard	Standard	Standard	Standard
Conveyor Bridge	Standard	Standard	Standard	Standard
Top Screen(s)	1 Flat	1 Flat	1 Flat	2 Flat
Dual Motor Electric Drive (EL2)	Optional	Optional	Optional	Optional

Other sizes and dimensions are available upon request.

Note: To figure the load any model will carry, use these approximate material weights:

1 cubic yard dry salt: 2200 lbs & 1 cubic yard wet sand: 3300 lbs.

Distributed By:

Manufactured By:



670 Wilbur Ave.  
Greenwich, New York 12834  
Phone: 518-584-4400 | Fax: 518-584-6630  
Email: [tarcoparts@tymetal.com](mailto:tarcoparts@tymetal.com)  
[www.FMTARCO.com](http://www.FMTARCO.com)



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SNOW & ICE CONTROL SPREADERS



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All-purpose conveyor-type V-Box Spreader for salt, sand mixtures and chips.

HIGHLANDER® JR. ELECTRIC DRIVE

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## HIGHLANDER® JR ELECTRIC DRIVE SPREADER

Highlander® JR material spreaders are quality engineered and built to handle deicing and snow control materials for driveways, roads and parking lots. This model is available with a standard single 3/4 HP, 12 Volt DC power unit to fit a variety of truck sizes and features an efficient spread pattern, saving time and money.

### POWER UNITS

#### ELECTRIC

**Model EL1** The standard power option for the Highlander® JR. Electric is a 12 Volt DC 3/4 HP electric motor that is coupled to the vehicles electrical system via a water resistant quick connect plug and standard on/off switch. Single knob variable speed controller is optional.

**Model EL2** The dual electric motor drive features the standard 12 Volt DC 3/4 HP electric motor to drive the conveyor and a separate 12 Volt DC 1/4 HP electric motor to drive spinner disc. The controller is a standard dual knob variable speed device which features built-in overload protection.



#### Electric Motor

Electric motor with quick disconnect fittings for easy tie-in to the trucks electrical system. The full enclosure provides protection during loading and operation. Dual 12V batteries are not required.

### HOPPER BODY CONSTRUCTION

The hopper body is fully welded 14 gauge type 304 stainless steel. The hopper sides and conveyor are formed with one sheet of steel to improve hopper strength and longevity. Hopper side supports (gussets) rest on 2" formed channel cross sills to help support the sides and provides a stable platform for truck mounting. The hopper features a standard conveyor bridge (inverted vee) on all lengths. Four (4) nylon hold down straps are supplied with the unit as standard equipment. The hopper top edge is channel formed for strength with the sides sloped at 45° to insure free flow of material. A fully adjustable rear flow gate, four corner lifting loops and heavy duty top screens are standard. Stainless steel units are left unpainted, natural stainless steel finish.



#### Cab Controls

In cab controls can be provided with either On/Off switch (standard) or with Variable Speed Controller (optional).

## OPTIONS

**Extended Spinner Assembly  
(Recommended For Truck Bed  
Heights Over 47" Tall)**

**Dump Body Hold Down Equipment**

**Trailer With Lights, Electric Brakes  
And Fenders**

**Variable Speed Controller  
(Single OR Dual Electric  
Motor Drive)**

**Rubber Spill Aprons**

**Light Bar (Standard or LED)**

**Single Lifting Beam**

**Fork Lift Pockets**



#### Spinner Assembly

Spinner assembly is easily removed between storms or for flat storage in summer or windrowing material. No tools required.

The Highlander® JR is manufactured to the same high quality specifications, as all other TARCO® products. Standard features include a removable spinner assembly, heavy duty top screens, one piece hopper construction and pintle style conveyor chain.

### CONVEYOR

The conveyor system is 15" wide to eliminate material bridging. It features 1/4" x 1" bar flights every fourth link. The wear plate is poly lined to reduced conveyor chain friction and prolong chain life. Welded chain aprons protect the conveyor chain side links.

The conveyor chain has an adjustable spring loaded idler roller with over 3" of travel. This reduces wear and tear on the conveyor chain. A poly wear plate supports the underside of the conveyor. A 20:1 right angle gearbox drives the conveyor chain. The drive sprockets are cast iron with 8 teeth, keyed and set screwed to the 1- 1/4" diameter gearbox drive shaft. Both the conveyor drive shaft and idler shaft are supported by grease able flange bearings.

### SPINNER ASSEMBLY

A 14" diameter polyurethane spinner disc with 4 vanes is provided. Spread pattern is controlled by adjusting the angle of the stainless steel discharge chute (requires no tools). A deflector assembly surrounds the spinner disc for a low angle trajectory and consistent spread pattern. The entire spinner assembly is quickly detachable for storage or travel between jobs by removing four (4) L-bolts by hand.



#### Hot Dipped Galvanized Top Screen

Heavy duty hot dipped galvanized top screens are constructed of 1/4" diameter rods welded to 1/8" x 1" bars on edge to form 2-1/2" square openings.



- Snow and Ice Equipment
- All Season Dump Bodies
- Leaf Loaders

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