

SPECIFICATIONS
AIR-FLO POLY-7.5L ELECTRIC SPREADER

INTENT:

It is the intent of these specifications to describe a 1.7 cubic yard Poly Spreader. Poly hopper spreaders are completely self-contained, ultra-durable spreader units designed for ice and snow control. The rugged design allows for use with salt, sand and other materials. The complete assembly mounts easily on pickup, dump and platform trucks making it ideal for municipalities, shopping malls, industries, hospitals and private contractors.

MATERIAL HOPPER:

The 1/4" Double-walled 60 degree poly hopper shall be 7.5' long with six formed gussets and stainless steel inserts. The poly hopper shall be 40" high with a top width of 50" and a bottom width of 13". The single lifting point on the cross support is located at the unit's center of gravity to allow for easy loading and unloading. An inverted V is installed over conveyor chain to eliminate the chance of tunneling. Chain shields are bolted in to protect the conveyor chain and stainless steel bed plate is bolted into the poly hopper. The overall length of the spreader shall be 103".

CONVEYOR:

The conveyor is made of 12" wide all-steel pintle chain, with 3/16" x 3/4" cross bars. Chain strength is 11,000 lbs. per strand; 22,000 lbs. total weight. The idler roller has a 1" shaft and drive sprockets are 6-tooth flame cut, on a 1" diameter shaft. The conveyor chain has an adjustment range of 3-1/2". The idler and drive shafts have heavy-duty, sealed, self-aligning ball bearings with grease fittings.

FEEDGATE:

Lever operated with a friction lock for accurate adjustment. Gate uses a heavy-duty flap to prevent damage to the conveyor chain and prevent material jamming.

SPINNER CHUTE ASSEMBLY:

A 12" stainless steel disc with three formed steel vanes is connected to a 1" diameter shaft secured on two pillow block bearings. The spreading material is guided from the conveyor to the spinner plate through an enclosed stainless steel chute with external deflectors. Adjustable deflectors allow for complete directional spread radius ranges from 2' to 25'. The extra wide rear deflector protects the rear and under carriage of the vehicle. Spinner chute assembly has (2) spring-loaded, quick release pins for easy removal from sander.

DUAL ELECTRIC MOTOR DRIVE:

Separate electric motors power the conveyor and spinner through separate sprocket and stainless steel chain drive assemblies. Highly efficient conveyor drive allows for a low amp draw. Electric motors and chain drive assemblies are completely protected by stainless steel covers.

In-cab hopper control allows the conveyor and spinner control to be completely variable and independent of each other. Electric controls eliminate cable freezing, binding and breaking. Control to include a power switch along with low and over voltage shut down, and over temperature shut down.