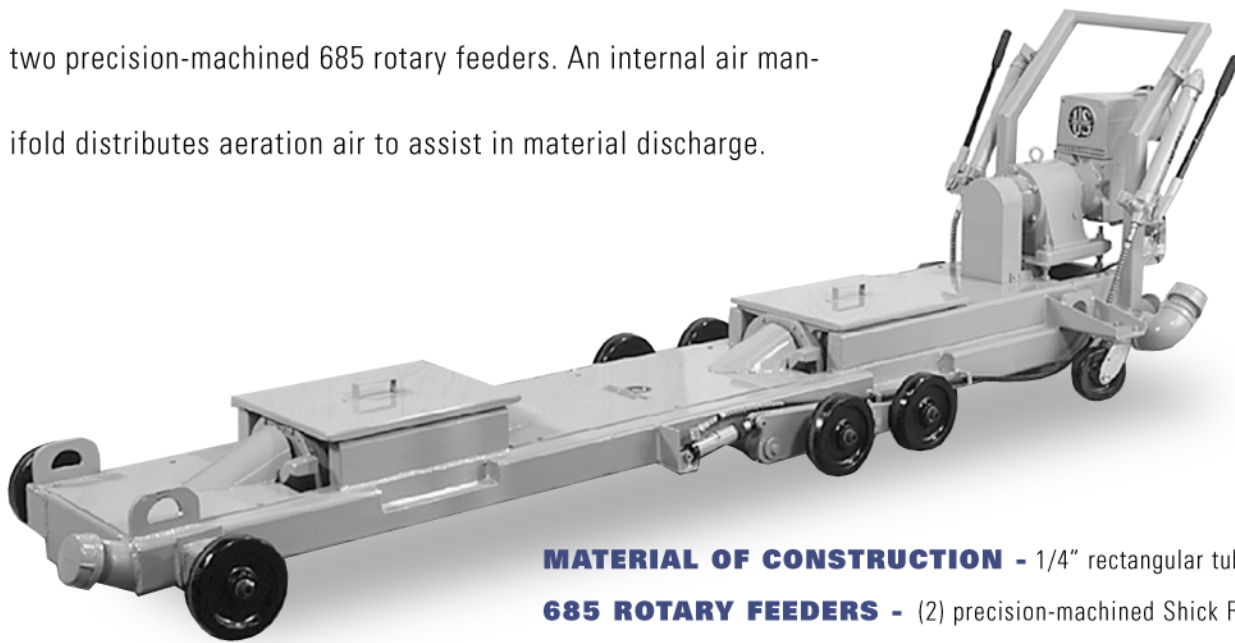




# RAILCAR UNLOADER

**SHICK TUBE-VEYOR CORPORATION'S** Portable Railcar Unloader is used to unload powdered or granulated materials from airslide railcars. These low profile units are equipped with eight wheels to roll easily into position. Once in place, a self-contained, manual hydraulic lift allows the operator to raise the unloader to the opening of the airslide car. Four connection clamps hold the unloader securely in place to achieve a positive seal. Quick connectors are supplied for all hose connections. In addition, Shick's Railcar Unloader is equipped with two precision-machined 685 rotary feeders. An internal air manifold distributes aeration air to assist in material discharge.



## STANDARD FEATURES

**MATERIAL OF CONSTRUCTION** - 1/4" rectangular tube construction.

**685 ROTARY FEEDERS** - (2) precision-machined Shick Rotary Feeders effectively meter product into the convey stream. See Shick Rotary Valve brochure for details.

**VARIABLE SPEED DRIVE** - Allows the operator to control material discharge flow.

**HYDRAULIC LIFT** - Assists the operator in lifting the unloader to the bottom of the railcar to achieve a positive seal.

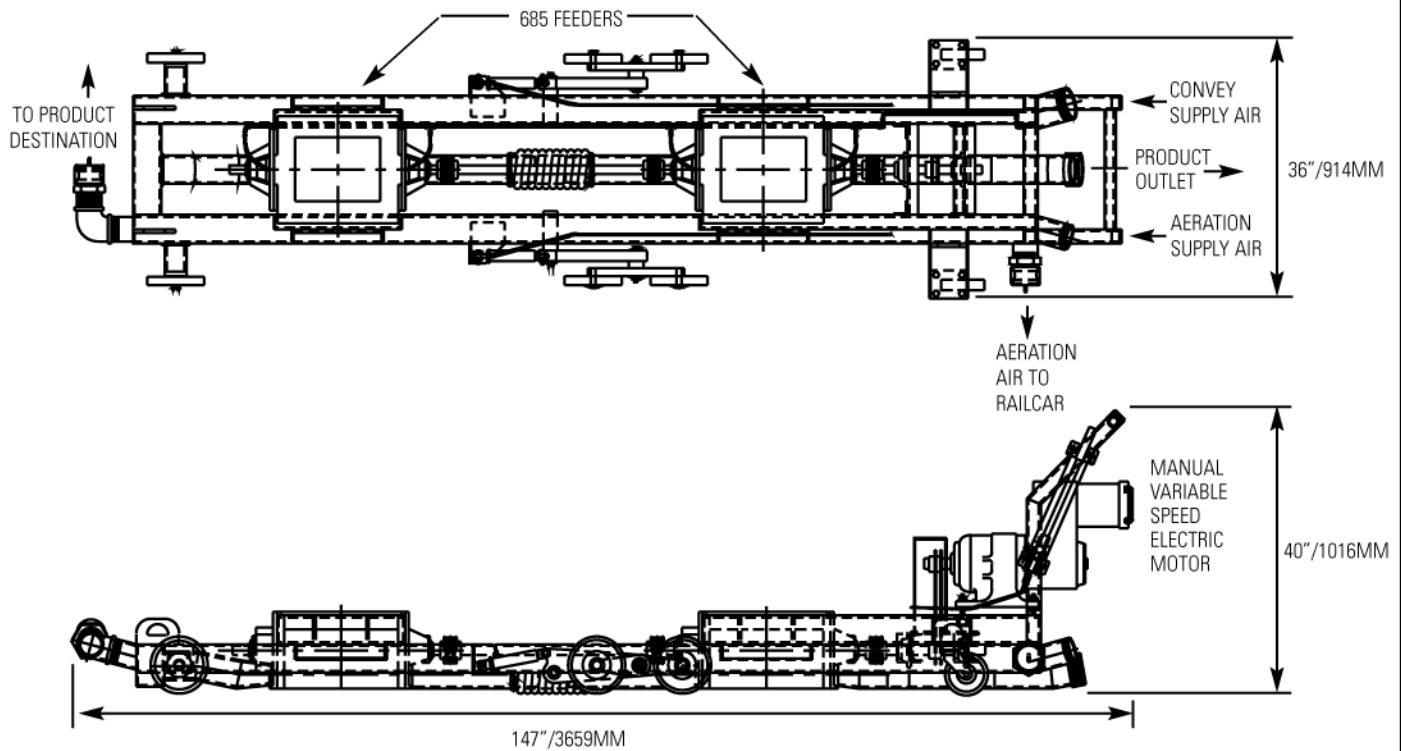
**PORTABLE** - Equipped with (8) wheels, (6) 6" center and front-mounted, fixed wheels and (2) 3" swivel casters enable the unloader to easily be positioned for unloading.

**MOTOR** - Heavy-duty, 1/2 HP, 230/460V, 3 phase, 60 Hz unit.

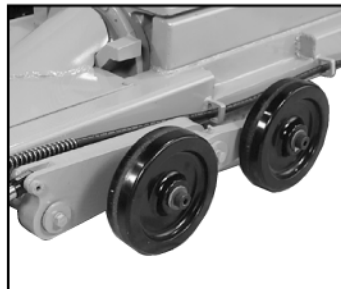
**QUICK COUPLERS** - Allows for fast, air-tight connections of the air supply and material discharge connections.

**COVER PLATE** - Protects rotary feeders while unloader is not in use.

# SCHEMATICS



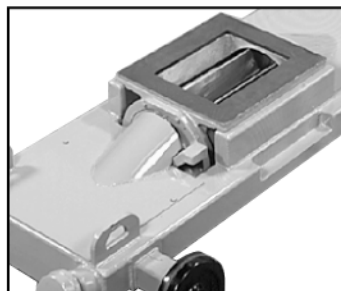
**Hydraulic Lifting System**



**Center Wheel Assembly**



**Variable Speed Drive**



**Cover Plates**

## OPTIONS FOR

**ABRASIVE (SUGAR)/STARCH:** These units vary from standard only in the valve specifications. Valves are cast iron with hard chrome plated interiors, 304 stainless steel beveled rotors and external air purge. Seal protector plates are available.

**PRODUCT OUTLET SIZE:** Available in 4 and 5".

**AIRSLIDE RAILCAR HATCH VENT FILTER WITH RAIN COVER:** For filtering air released through railcar top hatch on airslide railcars.

**WEATHER BAG:** Vinyl bag shields unloader from elements.

**FILTER BAG AND MOUNTING RING:** Filter airslide air released through the railcar top hatch.

**HOSES:** Consult factory for type, size and length of hoses for aeration, convey supply air and product outlet connection.

**NOTES:**

1. Units are for pressure applications only. Consult Shick for units designed for use in vacuum applications.
2. Maximum RPM 68 - minimum RPM 6.8.
3. Units designed to operate at a maximum of 15 psig.
4. Consult factory for transfer rates through unloader as it varies with material conveyed, line size and distance.

**HEADQUARTERS:**

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