



Product Specifications: SDSL10SS2430A-H1

The intent of the following specifications is to set minimum guidelines for the design and operation of a custom designed light duty side dump box for all season use. The unit will perform as a conventional dump body and a material spreader combined, without the need for conversion or installation of other equipment in the dump body. The unit shall include all necessary attachments to form a complete working unit.

Body Length: 10 feet

Exterior Width: 96”

Interior Width: 87”

Exterior Length: 136”

Interior length: 120”

Headboard:

The headboard shall have a flat front of 10 ga. 304 stainless steel with a horizontal box brace full width. The conveyor drive unit shall project ahead 12” from the front plate on the driver’s side. There shall be a weld on full width adjustable height stainless steel cabguard with a 24” projection.

Body Hoist:

The hoist cylinder is a multiple stage telescopic hoist designed for salt spreader body applications with a floating trunnion cylinder pivot mounted in removable bearing blocks, floor line attachment point to minimize cylinder space requirements. The standard cylinder shall be 3.5” bore with 90” stroke and shall be single acting. The rear hinge shall be integral with low profile subframe fabricated from 3”x 3” x 3/8” HSS tubing. All pivot points shall have lubrication points.

Floor:

The floor shall be a one-piece construction with 45-degree ramp to the right side. The floor and the inner right side shall move as one unit and shall be hinged to the left side long sill. The right side board pockets shall move with the inner floor to lessen load spillage. It shall have an internal moving headboard with a polymer wiper to control spillage. The tilt floor shall be fabricated from 1/8” 400F steel. The floor shall have seven cross sills of 3” channels @ 4.1 lbs/ft to support the floor. The tilt section shall have two bolt in hinges with 1” stainless steel pivot rods. The hinges shall be greasable and removable for servicing. The floor shall be capable of 40 degrees of lift through two 2.5” bore x 16” stroke double acting nitrided cylinders. These cylinders shall have a 1.5” diameter piston rod. The conveyor trays shall be bolted in and removable for servicing. The upper tray shall be constructed from ¼” abrasion resistant steel. The body shall have a removable folding inner conveyor cover constructed from 1/8” 400F material.



Product Specifications: SDSL10SS2430A-H1

Floor Subframe:

The two sub frame long sills shall be constructed from 6" channels @ 10.5 lbs/ft. The front full width x-sill shall be constructed from mechanical tubing 2.5" x 2.5" x 1/4" wall. There shall be two full width intermediate cross members and a full width rear skirt to support the inner floor. Two inner floor tilting assemblies shall be pinned to the subframe structure and attached to the inner floor through captured roller assemblies. All pivot points shall be greasable.

Body Sides:

There shall be two fixed sides to support the body structure. The sides will be fabricated from 10 ga. 304 stainless steel plate. There shall be board pockets for additional salt capacity. The sides shall be 24" high. The sides shall have boxed formed top rails. The lower rails shall be of dirt shedding design. There shall be one front post, two intermediate side posts and one rear post per side. They shall be constructed from 10 ga. 304 stainless steel plate. The rear post shall be 30" high from the floor line.

Body Tailgate:

The tailgate shall be constructed from 10 ga. 304 stainless steel. It will be of three panel boxed perimeter dirt shedding design. The tailgate pins shall be a 1-1/4" diameter. There shall be 1/2" thick tailgate fixed latch hooks. The tailgate locking fingers shall be from 1/2" plate. The tailgate traverse rod shall be 1" diameter. The locking handle shall be on the driver's side at the front of the body. The tailgate shall be 30" high and shall be double acting.

Body Conveyor:

The conveyor shall run along the driver's side of the body. It shall pull the material to the front of the body by the use of a conveyor chain assembly. The chain shall consist of two 667X pintle chains with 3/8" flat bar flites welded to every third link. The pintle chain shall have minimum tensile strength of 30,000 lbs. The conveyor will have a fixed rear idler roller with an automatic chain tension adjuster at the rear of the body. There shall be a 10:1 worm gear reducer turning a 1-1/4" diameter axle carrying two six-tooth cast iron sprockets. It shall be driven by a direct-coupled hydraulic motor. There shall be a fully adjustable metering door with rubber seal on lower edge to control the material flow. A body mounted steel adjustable angle chute shall feed the spread material to the 18" 6 flight clockwise rotating spinner. The spinner drive shaft shall be adjustable in position with a top mounted motor. It shall include a greasable shaft bushing, a cushioned shaft coupling and a 3.0 cubic inch hydraulic motor. The spinner drive assembly shall be of sealed construction to prevent bushing contamination.