



Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
 ONE CAPITOL HILL
 PROVIDENCE RI 02908

BUYER: Ohara 2nd, John F
 PHONE #: 401-222-2142

CREATION DATE : 12-FEB-07
 BID NUMBER: 7003230
 TITLE: Spreader - RIC
 BID CLOSING DATE AND TIME: 14-MAR-2007 11:00:00

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 RIC-PURCHASING
 600 MOUNT PLEASANT AVENUE
 PROVIDENCE, RI 02908
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 RIC SPECIAL INSTRUCTIONS
 SEE BELOW
 SEE BELOW, RI N/A
 US

Requisition Number: 1023453
 Note to Bidders: Contact Person: Jessica Silva 401-456-8530

Line	Description	Quantity	Unit	Unit Price	Total
1	TORWEL ECONOMIZER SPREADER -MODEL# E2.5H9-8LSS	1.00	Each		

Delivery: _____

Terms of Payment: _____

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

TORWEL ECONOMIZER SPREADER SPECIFICATIONS

Model #:	E2.5H9-8LSS
Hopper Capacity:	2.5 cu. yd.
Hopper Length:	96"
Overall Length:	120"
Conv. Width:	13"
Top Width:	54"
Body Height:	43"
Unit Weight:	1,000 lbs.
Weight with Load:	8,500 lbs.

Standard Specifications:

Hopper Body

The sides and ends are formed one-piece sheets, so there are no seams. The sides are sloped at a 45 degree angle. The hopper body, engine enclosure and chute are constructed of 14 gauge type 304 stainless steel.

Gussets

There are 4 gussets (bracing ribs) on each side of the 8 foot hopper. The gussets extend vertically along the eight side slopes and are joined to four 3/17 x 3" stainless formed channels located beneath the hopper. This provides transverse support. The gussets are constructed of 14 gauge type 304 stainless steel.

Cross Bracing

There are two cross bracing members. One 14 gauge x 4" type 304 stainless steel formed channel connects with the sides of the hopper and is flush with the top. A second brace located closer to the distribution end is a 3" x 4.1# structural channel. It is positioned to balance the machine with a single lifting eye. Both channels also act as a screen support.

Conveyor Bed

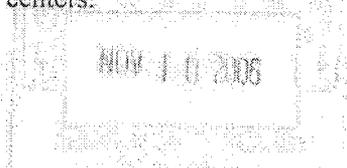
The conveyor bed (or wear plate) is fabricated from 12 gauge type 304 stainless steel and is welded into place.

Discharge Gate

The rear of the hopper has an adjustable gate, fabricated from 12 gauge type 304 stainless steel. A handle controls the feed opening and is fitted with a locking lever.

Conveyor Chain

Material is conveyed from the hopper to the distribution disc (spinner) by means of a 662 pintle chain. The chain has a tensile rating of not less than 11,000 lbs. on each side. The flight bars measure 3/16" x 1" and are spaced on 5" centers.



Conveyor Tensioning

The conveyor chain take-ups have an adjustable range of 3 inches. The take-up springs are enclosed in tubes so that they may be grease protected. All shafts are bearing supported. The take-up bearings and 4-bolt bearings are equipped with lube fittings.

Material Distributor

Spread direction is controlled by three moveable deflectors hinged to the chute. The chute walls are sloped vertically to insure a constant material feed to the spinner disc. The chute may be easily unbolted for flat storage. The spinner disc is 14" in diameter and has 4 spot-welded vanes.

Direct Drive Spinner Control

A "Direct Drive" Gear Box is incorporated to transmit power from the engine to the spinner without the use of sprockets or drive chains. This feature allows the operator to vary the speed of the spinner for a narrow walkway of 4 feet or a roadway of 35 feet by changing the engine speed.

Engine Power Unit (9 h/p Honda Engine)

The Economizer is powered with an 9 h/p Honda engine. Starting includes a regular 12 volt, 10 amp alternator. The engine's ignition switch and choke, as well as the conveyor control switch, is mounted on a control panel inside the vehicle's cab. A quick disconnect cable harness is provided for both the cab and engine leads. A 70 amp, 400 c.p. battery and battery box are also supplied.

Drive System

The shielded engine drive system has a 6:1 reduction unit for high torque and long life. The engine's main drive shaft (as well as all attached gears and chains) is horizontal, not vertical. The conveyor is actuated from the cab by a magnetic clutch, which stops material spread when the toggle switch is put into the 'off' position. The engine operates at half throttle. All shafts are 1" diameter and are bearing supported. The conveyor chain is driven by two 8 tooth sprockets, times the main drive shaft.

Screen

The screen is set in 3/16" x 1 1/2" angle frames. The mesh is 5/16" woven flat-top with approximately 3" openings.

Hold Downs and Runners

Four ratchet and strap hold downs are provided for easy installation to pickup bed. The strap web has a breaking strength of 12,000 lbs. Also provided are 2" x 4" wooden runners mounted so that the hopper underbody structural channels do not scrape the vehicles' bed.

Warranty

Aside from engine and battery warranties, all parts manufactured by Torwel Industries are warranted for one (1) year from the date of purchase.



Contract Terms and Conditions

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Terms and Conditions

BID STANDARD TERMS AND CONDITIONS

TERMS AND CONDITIONS FOR THIS BID

RIVIP INFO - BID SUBMISSION REQUIREMENTS

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VENDOR SPECIFICATIONS

ALL VENDORS MUST INCLUDE SPECIFICATIONS WITH BID PROPOSAL (EVEN THOSE BIDDING BRAND SPECIFIED). FAILURE TO SUBMIT SPECIFICATIONS WITH BID PROPOSAL MAY RESULT IN DISQUALIFICATION OF BID. ITEMS IN CATALOGS MUST BE CLEARLY MARKED AND PAGES TABBED.