Thank you for considering Walinga as your supplier for vessel unloading.

Walinga has been manufacturing pneumatic conveying systems for more than 35 years and will be pleased to supply you with a quality machine.

This document will overview the Walinga Ship Unloader and the numerous options available to help you design and choose a machine that will maximize profit and best suit your needs.

If any concerns or questions come up, please do not hesitate to contact us at:

walinga.com

CANADA
1-519-824-8520
ask for Tom Linde

USA
1-616-877-3470
ask for Peter Koning

Send Walinga an email for more information!

Tom Linde
thl@walinga.com

John Brookema
jmb@walinga.com

Working closely with clients, Walinga engineers ensure that every machine performs its intended task. Walinga ship unloaders are designed to deliver on your demands.
General:
The Walinga Ship Unloader is designed to convey free flowing, granular products from barges or vessels.

Capacity:
When conveying dry wheat, the Walinga Ship Unloader, will unload up to 176 tonnes per hour.

Consumption:
The standard power on the Ship Unloader is electric, and it will draw about 143kW per hour. Diesel power is available as an option; the diesel engine will consume 38 liters/10 Gallons of fuel per hour.

Safety:
The two blowers are equipped with overload vacuum relief valves and monitoring gauges. On the front and back of the blower the oil level can be viewed through the sight glass. The Ship Unloader has fully labeled operational and warning decals for operator’s ease and safety. All of the belt systems are equipped with finger proof guards. A detailed operational manual is supplied with the unit upon arrival. The unit is also commissioned by a Walinga expert.

Blowers:
Two Walinga 614 Blowers (1700 CFM), featuring in house chroming of housing, impellors, and seal sleeves. Each blower is equipped with double spherical roller bearings that are lubricated by an oil splash system. The total blower system displaces 3400 CFM, and is driven via a 1.5 to 1 ratio V belt system by a motor and is equipped with an automotive belt tensioning system.
Power:
The Ship Unloader is powered electrically by a 150 HP motor, and is equipped with soft start.

The Ship Unloader’s hydraulic system is powered by a 40 HP electric motor.

Hydraulics:
The Ship Unloader is equipped with a heavy duty commercial grade hydraulic pump that is mounted to the drive motor.

It is a complete system that includes:
- A Reservoir
- Filter
- Controls
- Oil
- Hydraulic Lines

The hydraulic system is designed to operate the airlock, suction & discharge boom, and the stabilizer legs.

Available as an option is a radio remote for the hydraulic controls.

Airlock:
A high grade ductile iron, drop through housing airlock. The airlock displaces 4.5 cubic feet per revolution. The airlock is directly coupled to a heavy duty hydraulic motor, it is equipped with a variable speed control and rotation is reversible. The vanes are equipped with Hardox adjustable tips.
**Fully Articulated TELESCOPING Suction Boom**

**UP TO 50’ LONG**

*Various lengths available*

Comes with a flexible receiver inlet hose. It is raised, lowered, and rotated hydraulically.

The boom is equipped with a "marine style" suction nozzle.

**10” Diameter horizontal suction boom**

**Recevier & Precleaner**

Receiving system works in two stages:

1. Receiver conveys the bulk product
2. Precleaner removes dust from passing through the blower. Dust is then returned to the material stream. This allows for a filter-free system.

Receiver is lined with a replaceable stainless steel resistant band for prolonged life.

**30’ LONG Discharge Boom**

**14” Diameter Auger**

*Various lengths available*

Hydraulically driven fully articulated elbow
Remote

The Ship Unloader can be operated by one man.

Remote system is operational up to **100’**

**8 position** Radio remote.

**Extendable Reach**
Walinga will design and build varied lengths to client specifications.

**Boom Mounted Task Lighting Available**
The Ship Unloader is mounted on a 20,000 pound capacity undercarriage with 2 axles. One of the axles is ridged and the other is steering. The undercarriage is equipped with four hydraulically operated stabilizer legs.

Paint
The Ship Unloader is acid washed, primed, and painted with heavy duty “baked-on” automotive paint.

Frame & Undercarriage
The Ship Unloader is mounted on a 20,000 pound capacity undercarriage with 2 axles. One of the axles is ridged and the other is steering. The undercarriage is equipped with four hydraulically operated stabilizer legs.

To view the video of this machine in operation, please follow the link below:
www.walinga.com/index.php?id=456

If you are not able to view this video, contact your local sales representative.