

SBT-140

Bin Tipper



Designed for organic waste

Safely lift up to 70 kg (150 lb) of waste

Stainless steel

Easily kept clean and hygienic

Battery operated

Typically needs charging weekly

Easily moved

Fits through all standard doors



The SBT-140 is a stainless steel bin tipper that can be safely used in hospitals, food service operations, and other places that demand cleanliness and hygiene. The tipping mechanism is driven by low pressure hydraulic mechanism that is safe, fast, and quiet.

The tipper is operated by batteries and is easily moved through any standard door. The entire tipper can be hosed down to maintain cleanliness.

The batteries typically provide a full week of operation between charges; a built-in battery meter indicates when charging is needed. A waterproof charger is included that will typically recharge the batteries in five hours.

The tipper can be configured to handle American, European, and Australasian style of bins up to 140 litre (35 gallon) capacity. It can lift up to 70 kg (150 lb).

Safety features include: dual switches that require the operator to have hands on them at all times for operation; a red light on the opposite side to warn other personnel; a safety cutout switch with a removable key; and solid lockable wheels. Further, at all times the center of mass of the bin and its contents are within the footprint of the SBT bin tipper. The tipper can be equipped with optional side panels with a mesh screen and an interlocking door.

The SBT-140 complements the Power Knot LFC-300, LFC-500, and other biodigesters.

SBT-140

Description

Lifting capacity

70 kg (150 lb)

Acceptable bin types

EN 840-1: 60 to 140 litre

ANSI Z245.60 (type B): 24 to 32 gallons

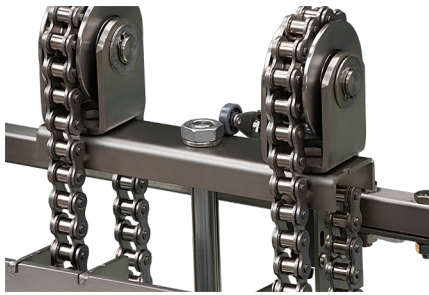
Determine bin type when ordering; bin capacity is adjusted on site. Can be changed from EN to ANSI types after purchase

Tipping time

20 seconds total to go up and down

Construction

All stainless steel (chassis, panels, chain, and wheels)



Floor surface flatness required

±15 mm (±0.6")

Weight without bin

167 kg (368 lb)

User control

Waterproof toggle switches: on-off and up-down

Safety features

Both toggle switches must be activated for tipper to operate (requires both hands on the control)



Emergency cut off switch

Cut off switch has removable key to prevent unauthorized use

Red flashing light warns people nearby that SBT bin tipper is in use



Solid lockable casters

Mass of bin is within footprint of SBT bin tipper at all times

System prevents operation when batteries are depleted

Available with a full cage with interlocking door

Operating environment

Indoors or outdoors

Operating temperature

-5°C to 40°C (23°F to 104°F)

Operating altitude

1000 m (3300 ft)

Ingress protection

IP54 – splash proof and dust proof

Batteries

Two of 22 Ah, 12 V, sealed lead acid AGM

Typical lifting capacity on full charge: 17 tonne (37,000 lb), or about 700 lifts

Battery indicator shows charge level and hours of use

Battery charging temperature

5°C to 35°C (41°F to 95°F) [ambient]



Battery charger

Waterproof charger built in with IEC 60320 connector

Accepts standard ac power cord for your country

100~240 V, 50~60 Hz, 5 A, single phase

Typical charge time: 5 hours

Moving and positioning

Machine is rolled into place with casters

Machine is locked in place by two front casters



Space required around machine

Left side: zero

Right side: 60 cm (24") for operator

Back: zero

Front: 60 cm (24") to load bin

Operating lifetime

Expected to be 15 to 25 years

Warranty

3 years on parts except batteries

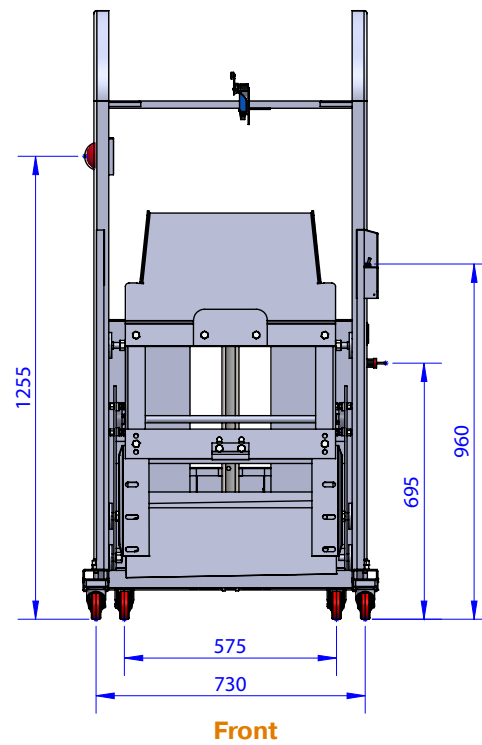
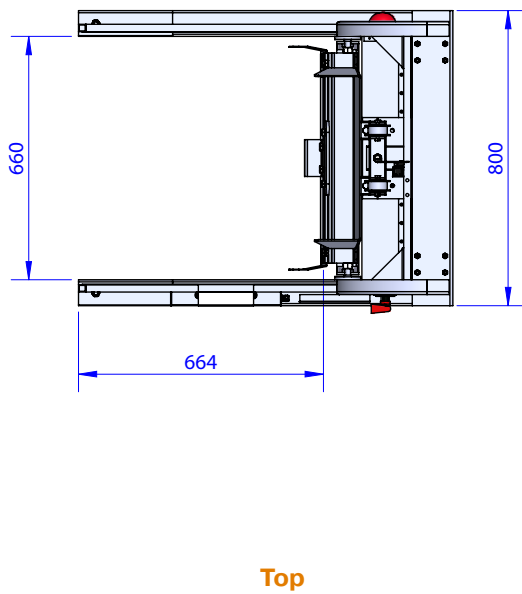
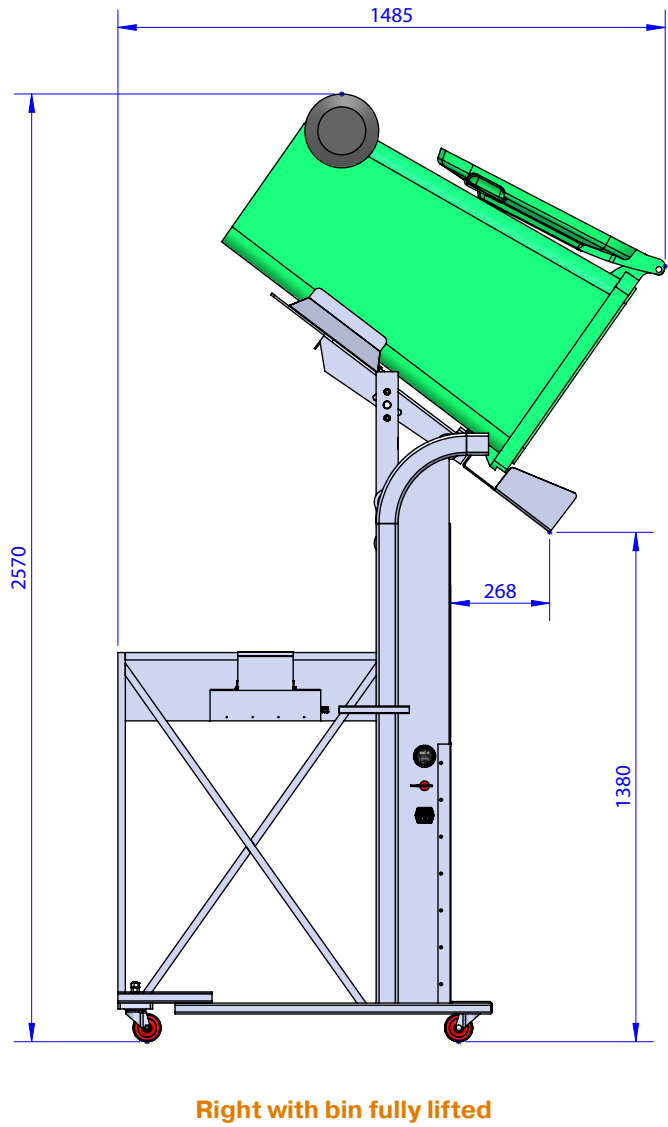
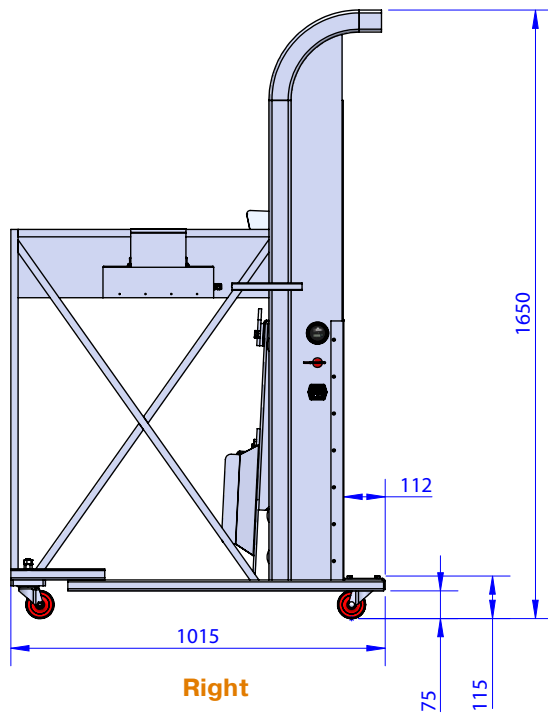
RoHS

Compliant for EU and China

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Dimensions in mm ± 2 mm

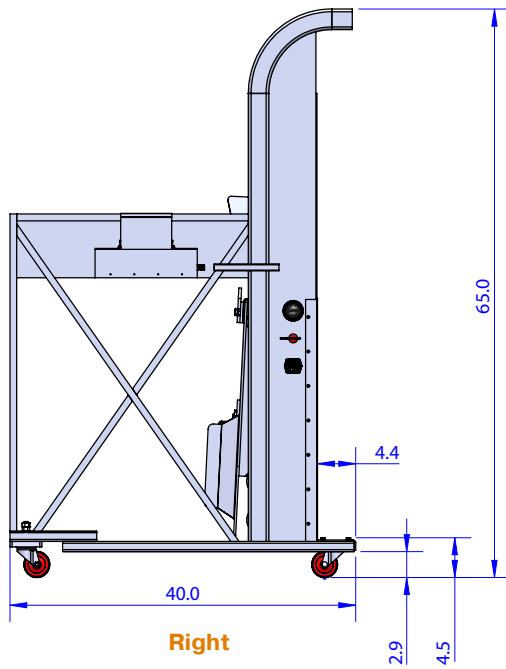
Shown is 120 litre bin. Dimensions to edges of bin are dependent on type of bin.



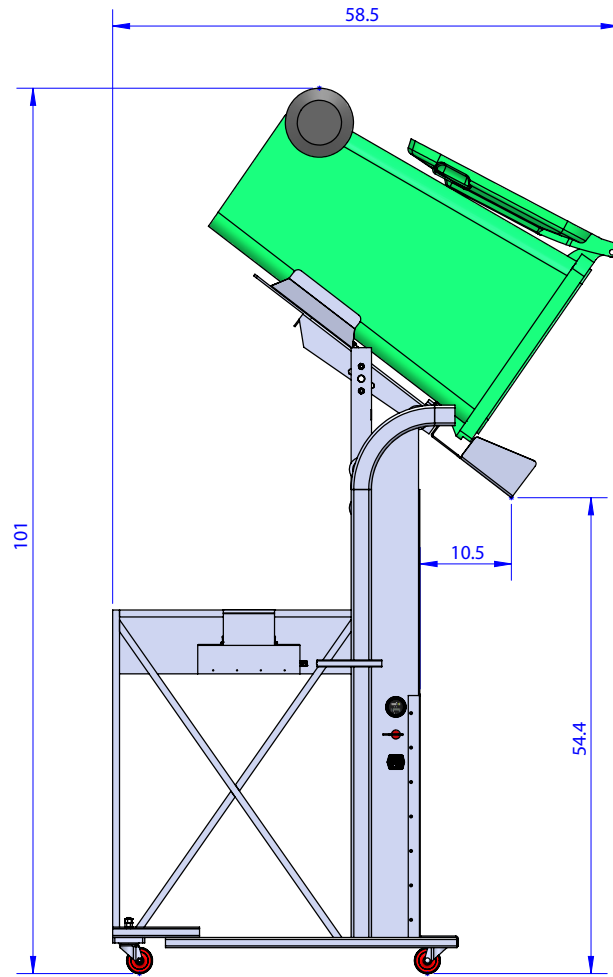
SBT-140

Dimensions in inches ± 0.1 "
(derived from mm)

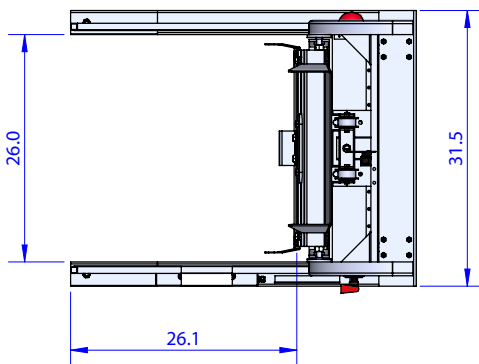
Shown is 32 gallon bin. Dimensions
to edges of bin are dependent on
type of bin.



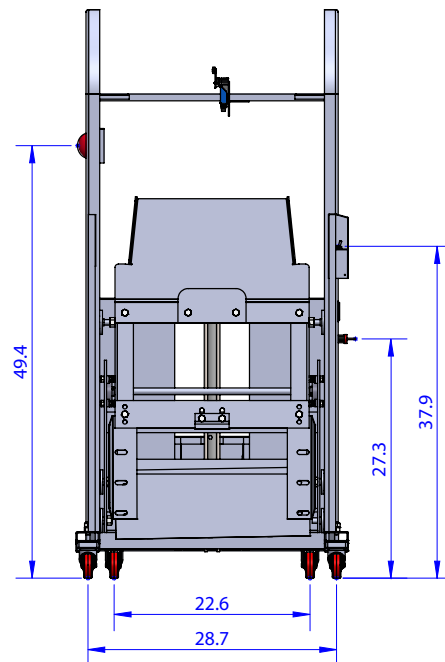
Right



Right with bin fully lifted



Top



Front



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