

# Larger LFCs with Bin Tippers

## Brief Data

### 1 Introduction

The LFC-1000 and LFC-3000 extend the product line of the LFC-50, LFC-70, LFC-100, LFC-200, LFC-300, and LFC-500. The specifications, usage, and maintenance are similar. Please review the Power Knot data sheet for the LFC family (document 96-01023) for the latest specifications on the LFC-family.

These larger LFCs are each equipped with a bin tipper. The bin tipper lifts the waste food and automatically deposits it into the drum without the need for personnel to lift the bin.

### 2 Summary Specifications

	<b>LFC-1000</b>	<b>LFC-3000</b>
Nominal capacity per day	1000-1800 kg (2200~4000 lb)	3000-5400 kg (6600~12,000 lb)
Size (width x depth x height)	203 x 158 x 172 cm (80 x 62 x 68 in)	391 x 197 x 222 cm (154 x 78 x 87 in)
Size when bin is in use (width x depth x height)	203 x 194 x 263 cm (80 x 76 x 104 in)	391 x 207 x 299 cm (154 x 81 x 118 in)
Weight of LFC	950 kg (2100 lb)	1475 kg (3250 lb)
Electrical supply	208 V, 60 Hz (or 415 V, 50 Hz) 15 A, 3-phase	208 V, 60 Hz (or 415 V, 50 Hz) 15 A, 3-phase
Maximum power	4.5 kW	8 kW
Energy per day	27 kWh	47 kWh
Water per day	1900 litre (500 gallon)	5200 litre (1350 gallon)

The bin tipper grabs the bin under its lip. The teeth on that grabber can be built to suit your specific bins and can be changed later if desired. A bin can hold up to 100 kg of waste food.

### 3 LFC-1000

The LFC-1000 is compact having a bin tipper to put the waste into the LFC and a second door for observation. The touch screen control and controls for the bin tipper are on the right of the LFC.



**Figure 1 LFC-1000: Overview**

The bin should be deposited into the LFC every 30 minutes to one hour. Over a 15 hour working day, the bin is deposited into the LFC-1000 15 to 30 times a day, with each load being 30 to 60 kg when the LFC is operating at full nominal capacity.

#### **4 LFC-3000**

The LFC-3000 has the bin tipper largely included in the design of the chassis and incorporates steps and a platform for observation of the drum. The touch screen control and controls for the bin tipper are on the left of the LFC.

The bin should be deposited into the LFC every 20 to 40 minutes. Over a 15 hour working day, the bin is deposited into the LFC-1000 20 to 40 times a day, with each load being 75 to 100 kg when the LFC is operating at full nominal capacity.

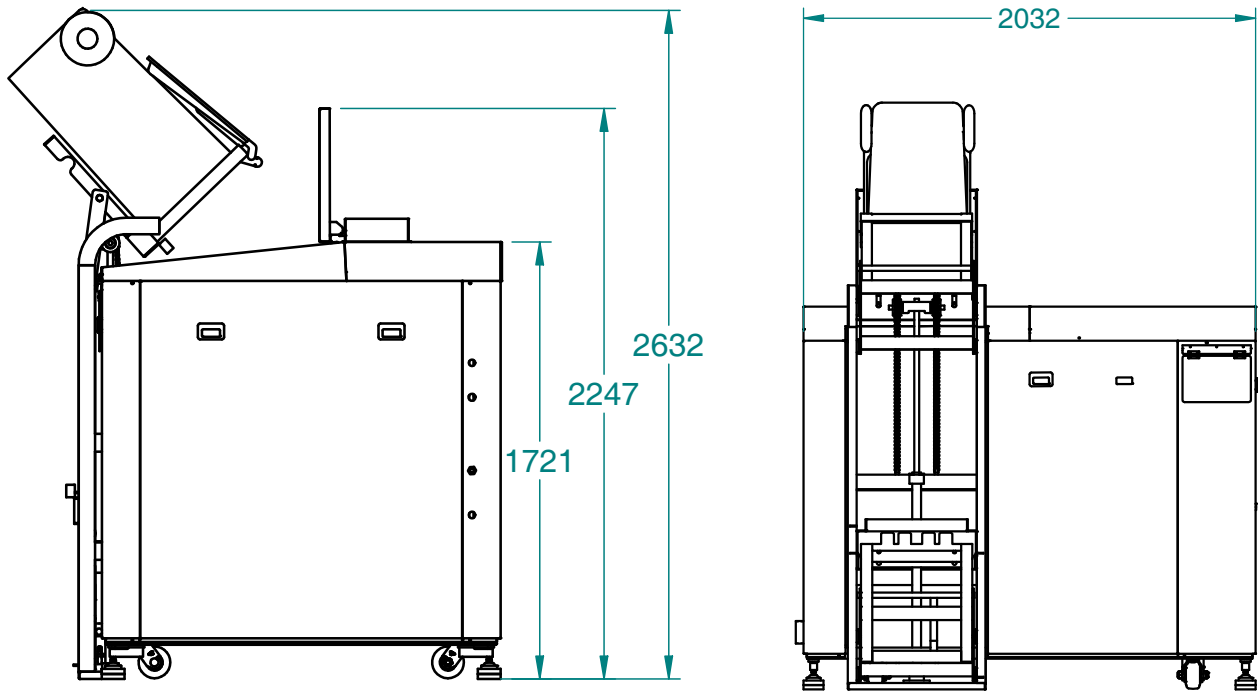


Figure 2 LFC-1000: side and front dimensions (mm)

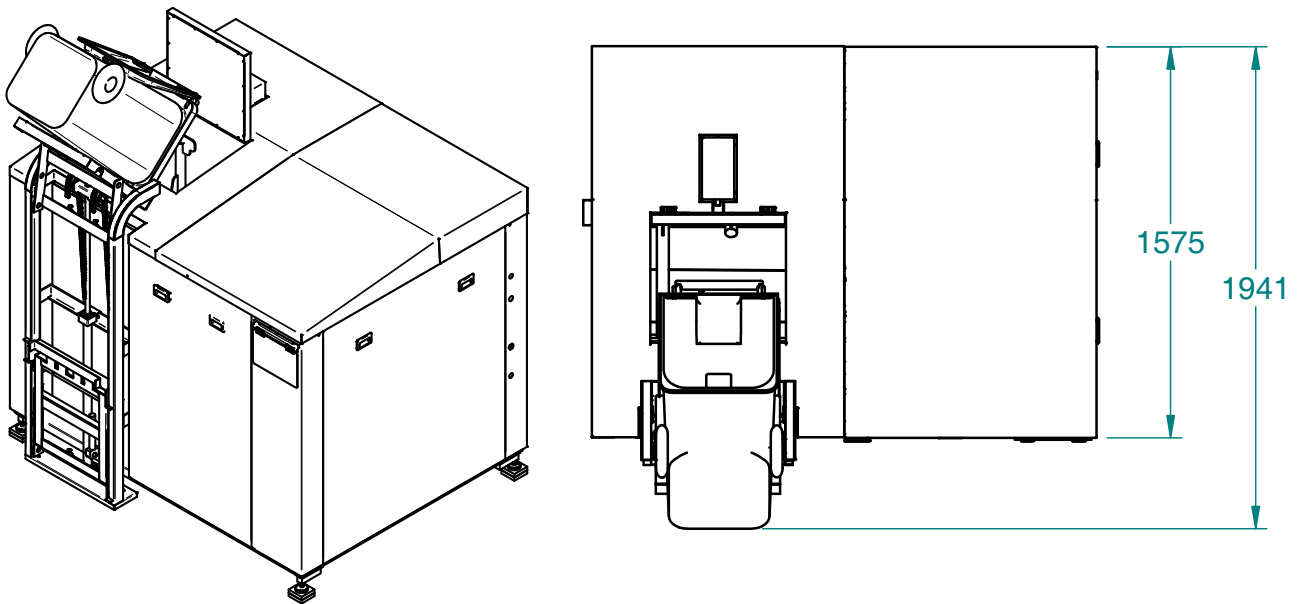


Figure 3 LFC-1000: isometric view and top dimensions (mm)



Figure 4 LFC-3000: Overview

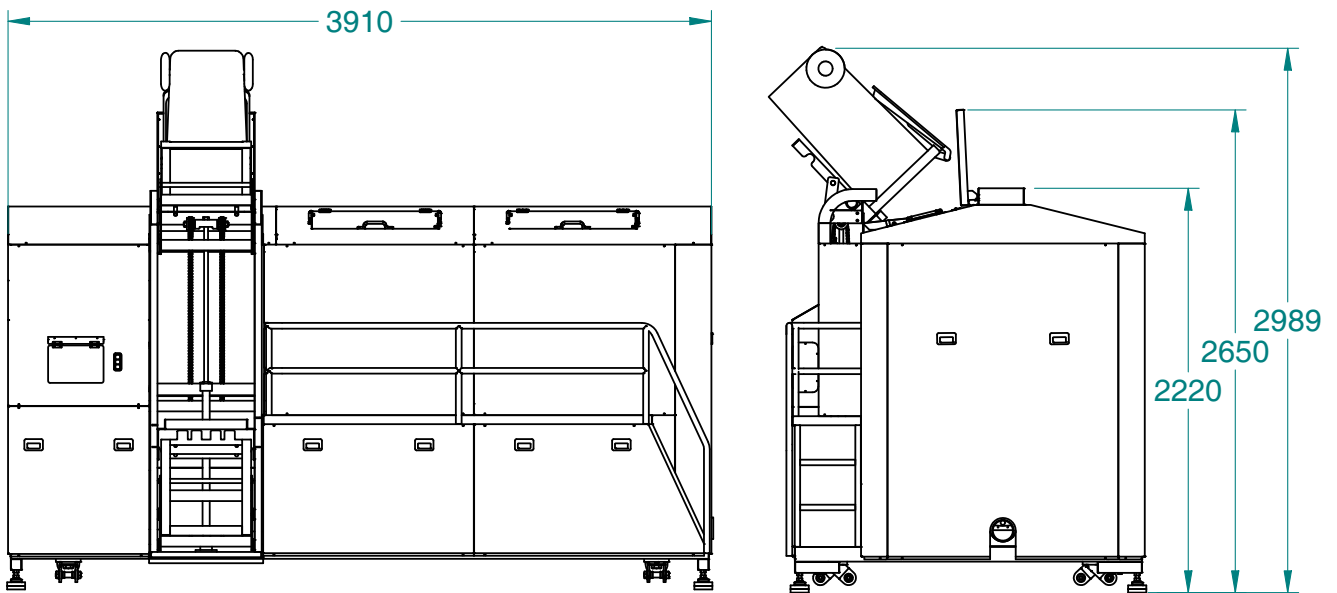


Figure 5 LFC-3000: front and side dimensions (mm)

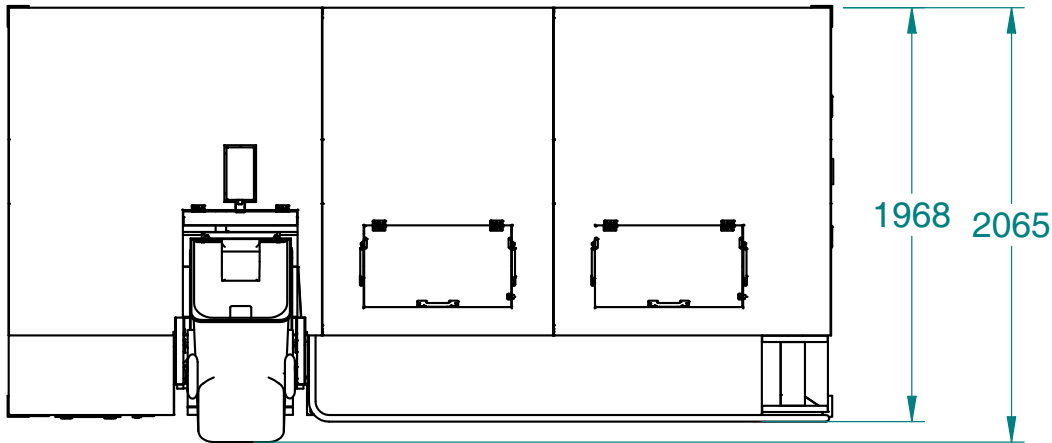


Figure 6 LFC-3000: top dimensions (mm)



Figure 7 LFC-3000 undergoing final tests before installation

Power Knot provides safe and economically sound solutions for commercial, industrial, and military customers globally seeking to reduce their carbon footprint. The LFC allows customers to reduce the expense, inconvenience, and mess of disposing of waste food that would otherwise be hauled to a landfill. Our technologies are proven, available today, have been in reliable use for many years, and offer a payback period typically of less than two years. The LFC is designed, developed, and assembled in Silicon Valley, California. For more information, access [www.powerknot.com](http://www.powerknot.com). Power Knot, the Power Knot logo, the Power Knot mark, and LFC are trademarks of Power Knot LLC. Copyright © 2009–2015, Power Knot LLC. All rights reserved. 2015-07-11.