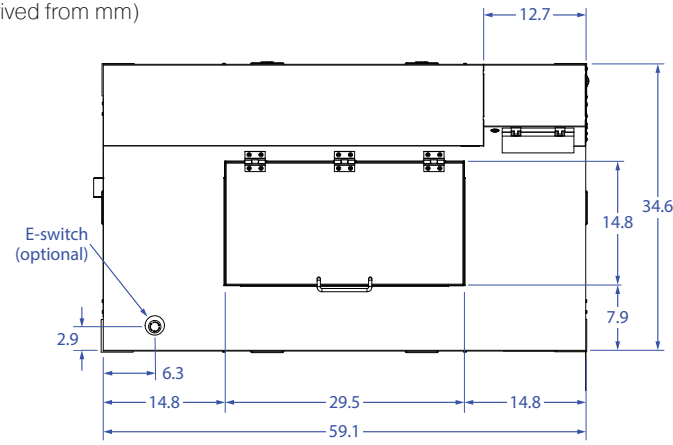
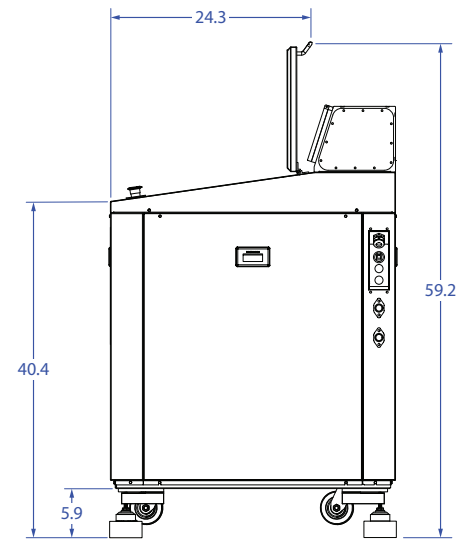


# LFC-200

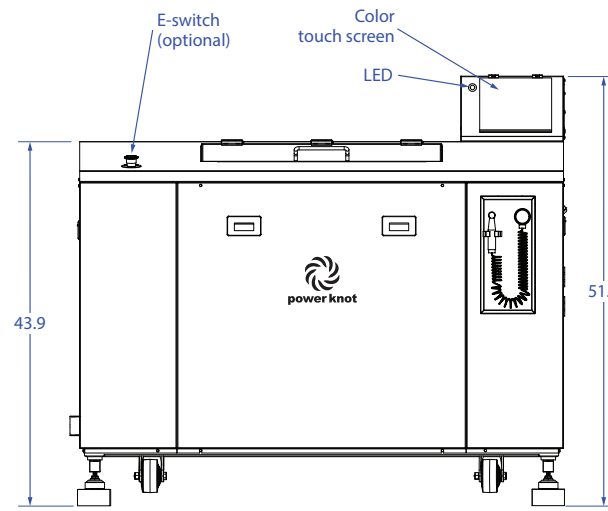
Dimensions in inches ±0.1"  
(derived from mm)



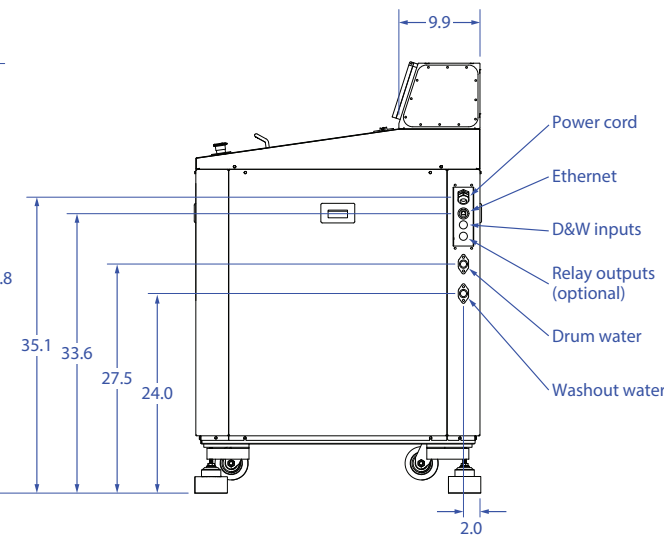
Top



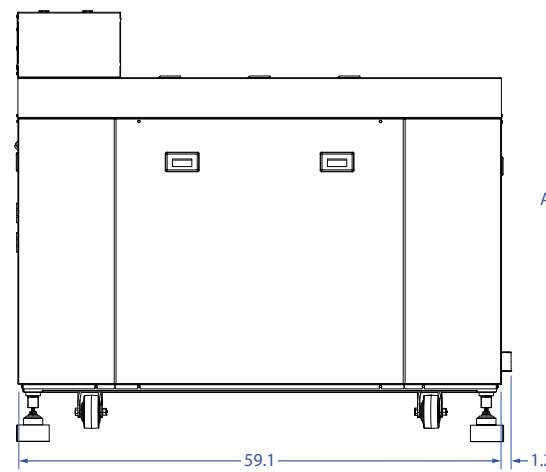
Right with door fully open



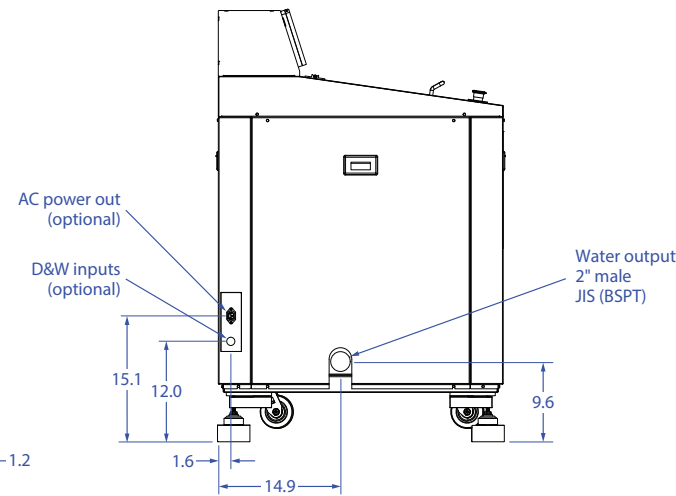
Front



Right



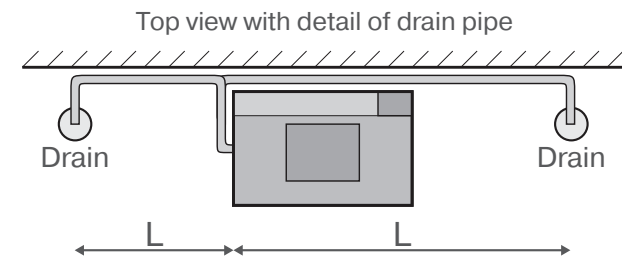
Back



Left

# LFC-200

Biodigester



Only one drain is required on left side or right side of machine  
Pipes normally run along wall for neatness, but can be direct  
L = length of pipe run: 400 cm (160") maximum; 3 of 90° bends maximum; do not run pipes under the biodigester



\* Optional, but needed for service, support, reporting, and extended warranty



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# LFC-200

## Installation Requirements

### Maximum capacity of food waste

200 kg (440 lb)  
250 litre (65 gallon)

### Digestion of food waste per day

70–600 kg (150–1320 lb) of waste

### Construction

All stainless steel (chassis, side panels, drum, shaft, arms, paddles, and load cells). Chassis is mirror finish (EN 10088-2 specification 2P)

### Operating environment

Indoors or covered patio  
Must not be exposed to rain, snow, or sunshine

### Ingress protection

IP54 – splash proof and dust proof

### Operating altitude

0~3000 m (9800 ft)

### Ambient operating temperature

12°C to 38°C (54°F to 100°F) when altitude is less than 1000 m (3300 ft); reduce linearly to 24°C (75°F) at 3000 m

### Floor surface flatness required

± 15 mm (0.6")

### Weight when empty

325 kg (720 lb)

### Moving and positioning

Machine is rolled into place with casters  
Machine is raised once in position and supported by feet and rubber pads

### Weight when full

625 kg (1380 lb) maximum

### Load per pad

208 kg (460 lb) maximum

### Pressure per pad

204 kPa (30 psi), maximum

### Space required around machine

**Left side:** 20 cm (8") minimum, 50 cm (20") preferred. 100 cm (39") is required for servicing

**Right side:** 15 cm (6") minimum, 60 cm (24") preferred. 135 cm (53") is required for servicing

**Back:** 2 cm (1")

**Front:** 60 cm (24") minimum

### Water inlets

**Filters:** use external filters to remove particles and hardness

**Fitting:** DN 15 (1/2") female

Use flexible hose pipes to allow machine to move freely. Install valves

to disconnect water for servicing and backflow prevention devices if required

**Pressure:** 275 to 550 kPa

(40 to 80 psi, 2.8 to 5.6 kg/cm<sup>2</sup>)

**Flow rate:** 20 litre per minute (5 gpm) max. @ 450 kPa (65 psi, 4.5 kg/cm<sup>2</sup>)

**Drum water:** 35°C~50°C (95°F~120°F)

**Washout water:** 15°C~75°C

(60°F~165°F)

Use external mixing valves, heaters, pressure reducers, and bladder tanks to meet the above requirements as needed

### Water input per day

600 litre (158 gallon) typical

### Water outlet

Typically use flexible coupling on output to permit machine to move freely

Install stop valve on outlet pipe (used for commissioning)

Slope pipe down by about 1 in 45 (1.3")

### Drain

**Type:** Must exit to sewer (not storm drain); grease trap is required in most jurisdictions

**Size:** 75 mm (3") minimum

### Total water output per day

800 litre (210 gallon), typical

### Flow rate of waste water out

21 l/m (5.5 gpm), maximum  
0.6 (0.2 gpm), typical average

### AC supply (order one type)

**208 V**

180 V to 230 V, 50 Hz to 60 Hz  
3-phase + PE

**250 V**

230 V to 270 V, 50 Hz to 60 Hz  
3-phase + PE

**400 V**

380 V to 420 V, 50 Hz to 60 Hz,  
390 V to 440 V, 50 Hz to 60 Hz

3-phase + neutral + PE (standard)

3-phase + PE (special order)

### AC power cord

Length of cable on machine: 180 cm (6')

Can wire directly (without a plug and socket). Outlet must be accessible by operator and have a safety disconnect

### Maximum power

850 W

### Electrical energy per day

5.7 kWh typical

### Heat generated by digestion

200 W ~ 800 W, 400 W typical

### User interface

22 mm 3-color LED

7" touchscreen with 65k colors

### Ethernet

RJ45, 100 baseT

DHCP or fixed IP address

Connect to Internet with direct cable, Wi-Fi client, or GSM modem

Automatically connects to LFC Cloud for remote support, reporting, and monitoring (included in purchase price)

### Powerzyme

Microorganisms and enzymes

2 litre, included with initial purchase

### Powerchips

Medium for microorganisms

200 litre, included with initial purchase

### Operating lifetime

Expected to be 15 to 25 years

### Warranty

3 years on all parts and components  
(1 year for marine, security, and rentals)  
Subject to terms and conditions

### Safety

Certified to UL430 edition 8

(waste disposal machines)

CAN/CSA-C22.2 No. 60335-1:11 R16

CAN/CSA-C22.2 No. 60335-2-16:16

EN 60335-1:2012+A11:2014+A13:2017

+A1:2019+ A14:2019+A2:2019

EN 60335-2-16:2003+A1:2008+A2:2012+A11:2018

### EMC and EMI

47 CFR FCC part 15, subpart B, class B

ICES-003:2016 Issue 6, class B

ANSI C63.4:2014

EN 61000-6-1:2007 & 2005

EN 61000-6-3:2007+A1:2011 & 2006

CISPR 16-2-3:2016

CISPR 16-2-1:2006

CISPR 16-1-2:2003 + A1:2004 +

A2:2006

EN 61000-3-2:2005 +A1:2008 +A2:2009

EN 61000-3-3:2013

EN 61000-4-2:1995

EN 61000-4-3:2006

EN 61000-4-4:2004

EN 61000-4-5:2006

EN 61000-4-6:2014

EN 61000-4-8:1993

EN 61000-4-11:2004

### EU directives

Low Voltage Directive: 2014 / 35 / EU

EMC Directive: 2014 / 30 / EU

RoHS Directive: 2011 / 65 / EC

WEEE Directive: 2012 / 19 / EC



For complete details see User's Manual

# LFC-200

Dimensions in mm ±2 mm

