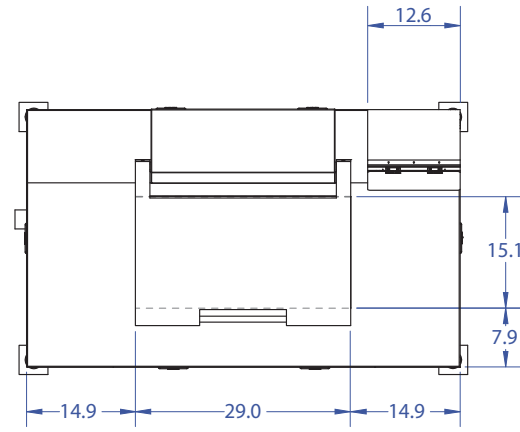
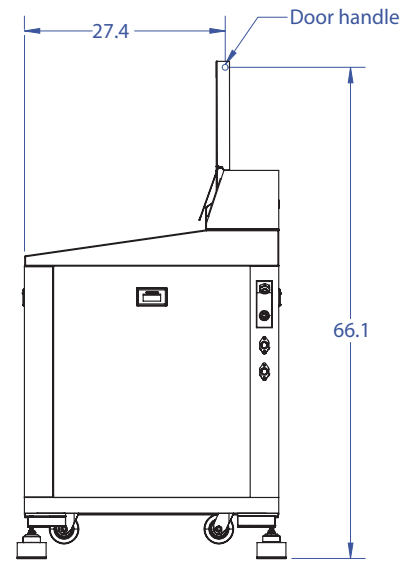


# LFC-200

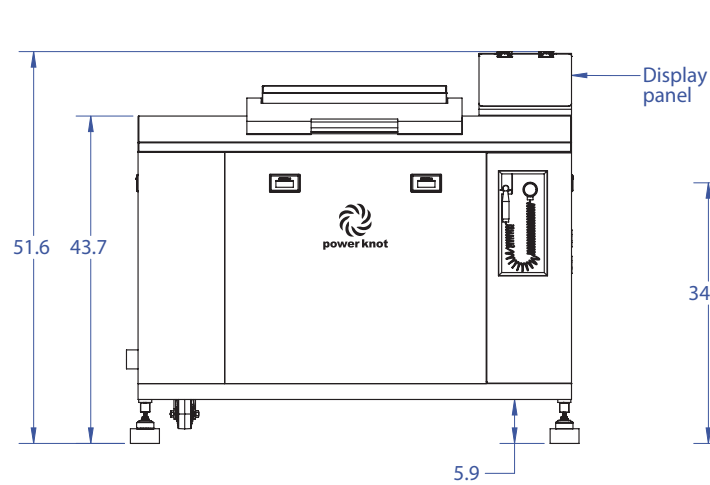
Dimensions in inches ±0.1"  
(derived from mm)



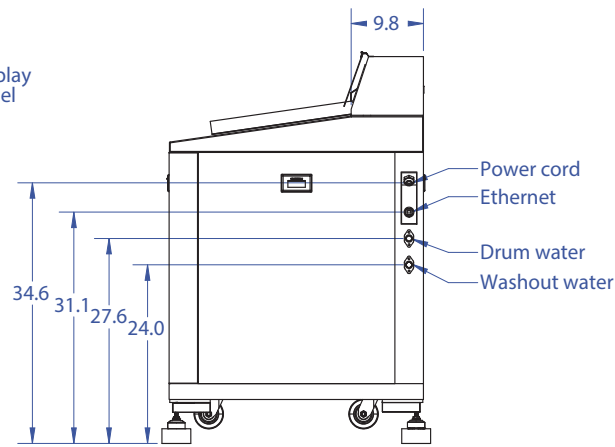
Top



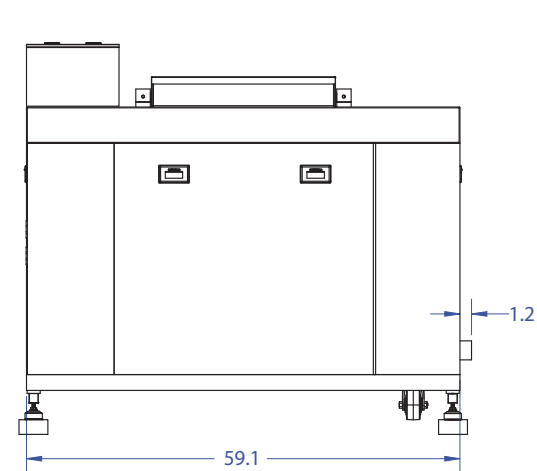
Right with door fully open



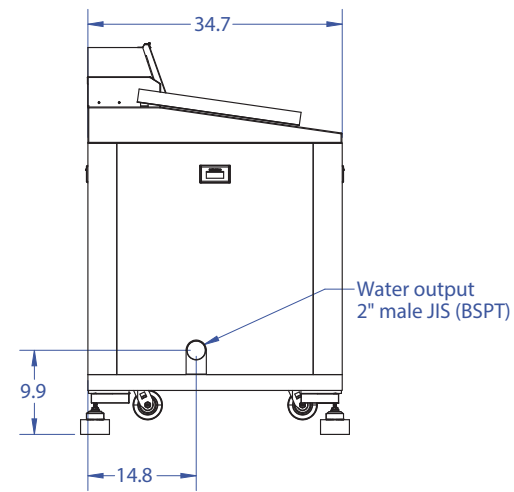
Front



Right



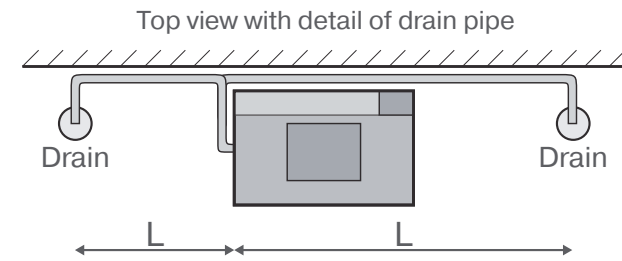
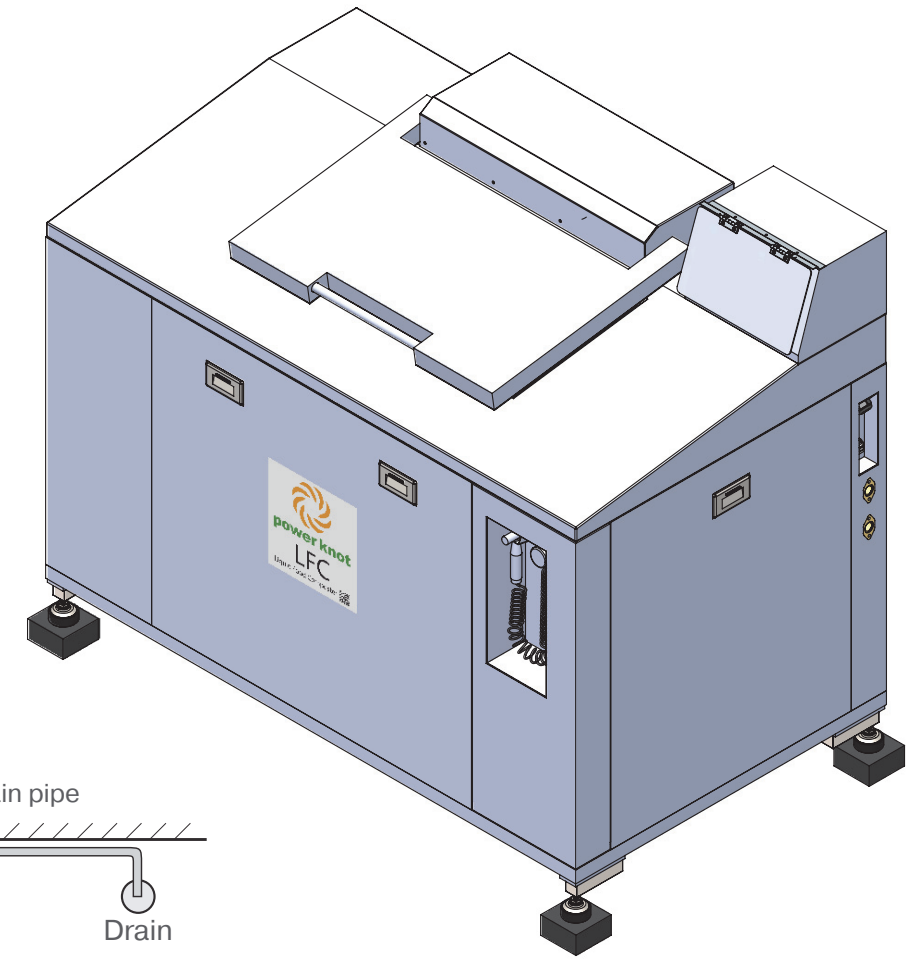
Back



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



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

# LFC-200

Installation Requirements

## Nominal capacity per day

200 kg (440 lb) of waste food

## 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

## Ambient operating temperature

4°C~38°C (39°F~100°F)

## Operating altitude

1000 m (3300 ft)

## 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:** DN15 (½") female

Typically 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

**208 V, 60 Hz** (180 V to 220 V)

3-phase + PE

Circuit breaker: 15 A

Fitted with NEMA L15-20 plug

or

**400 V, 50 Hz** (380 V to 420 V)

3-phase + neutral + PE

Circuit breaker: 15 A

Plug installed by local distributor

## 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

## Energy per day

5.7 kWh 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

## Safety

Certified to UL430

(waste disposal machines)

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

EN 60335-1:2010+AMD1:2013

(general safety)

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

EN 60335-2-16:2002+A1:2008+A2:2011

(waste food disposers)

## EMC

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

EN 61000-6-1:2007

EN 61000-3-2:2006+A1:2008+A2:2009

EN 61000-3-3:2013

## RoHS

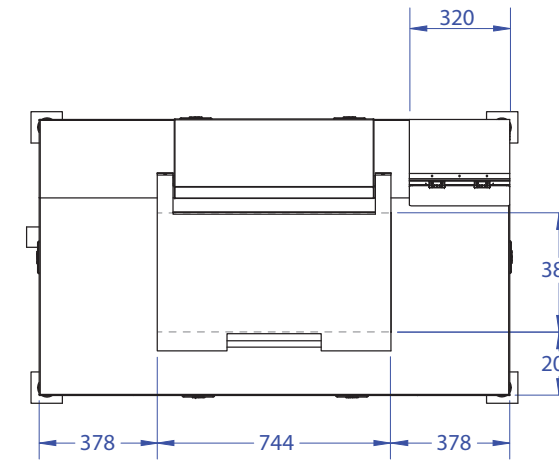
Compliant for EU and China



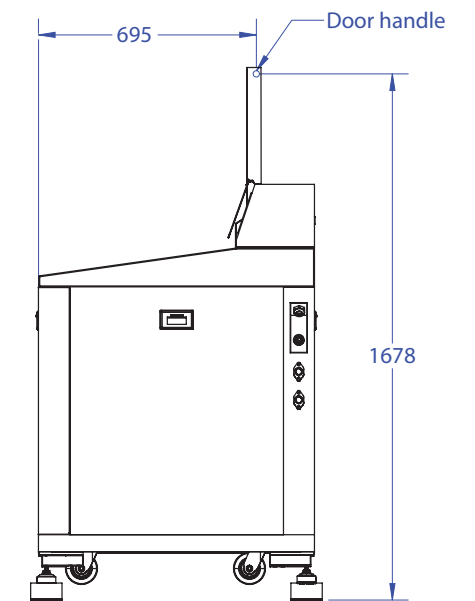
For complete details see User's Manual

# LFC-200

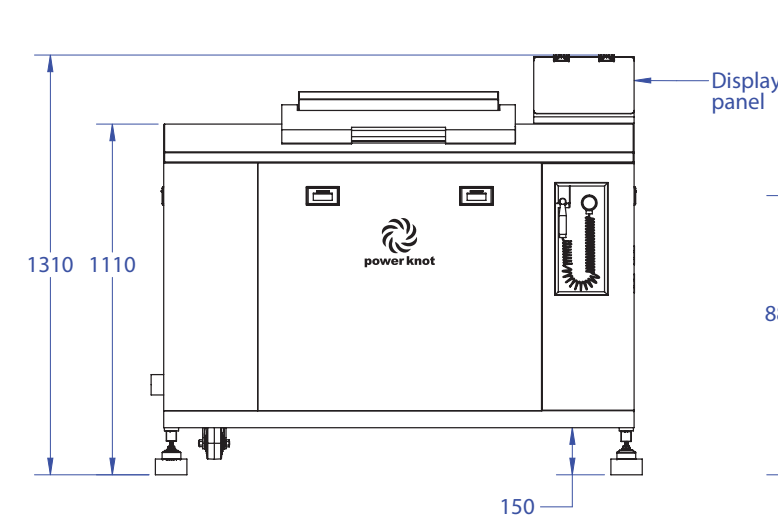
Dimensions in mm ±2 mm



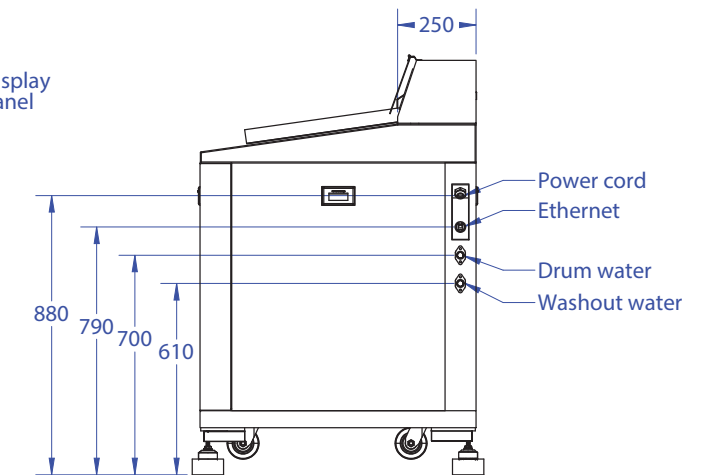
Top



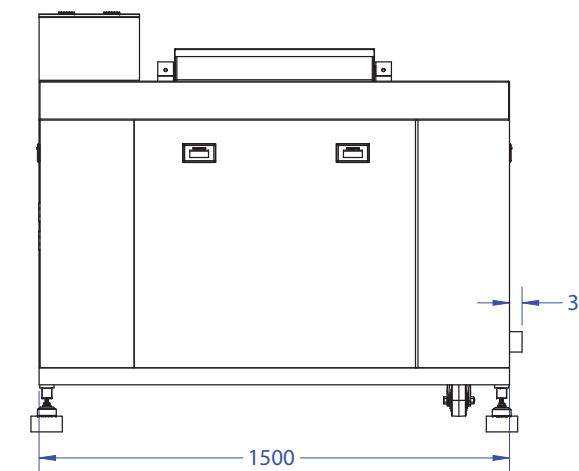
Right with door fully open



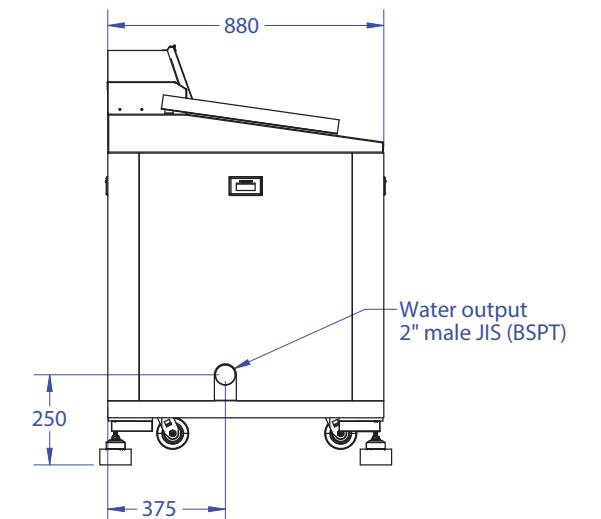
Front



Right



Back



Left