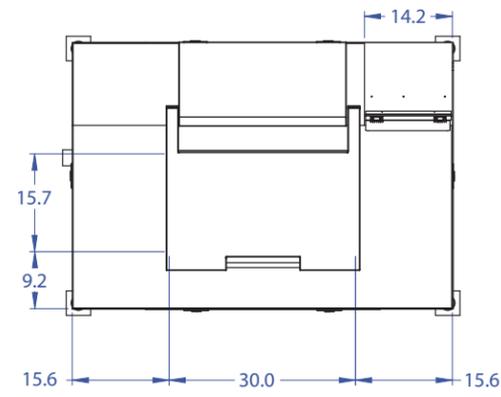
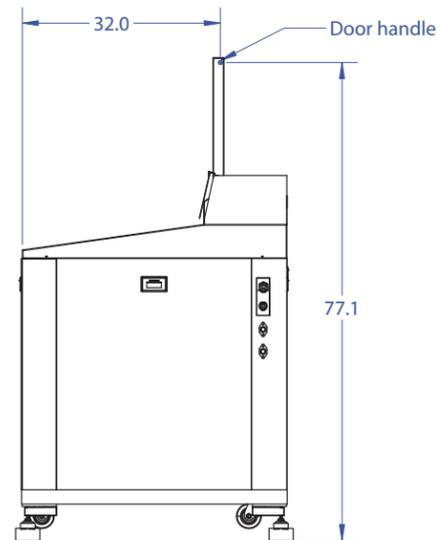


# LFC-300

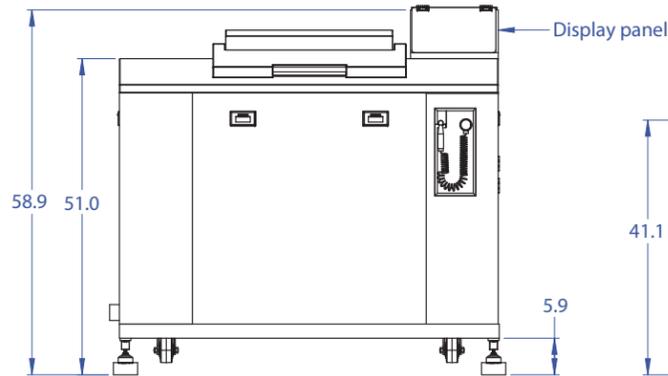
Dimensions in inches ±0.1"  
(derived from mm)



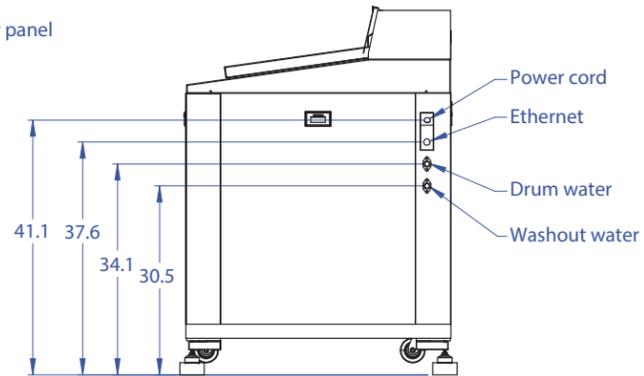
Top



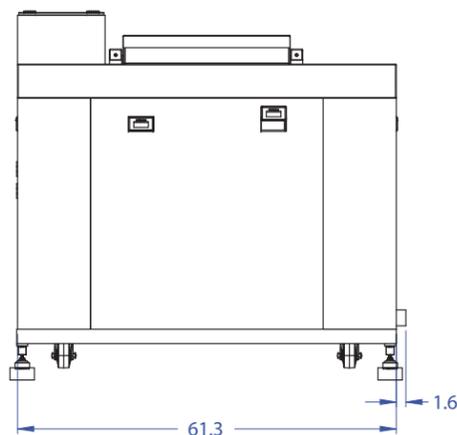
Right with door fully open



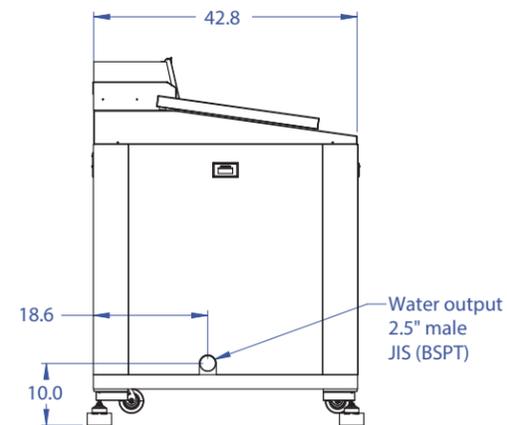
Front



Right



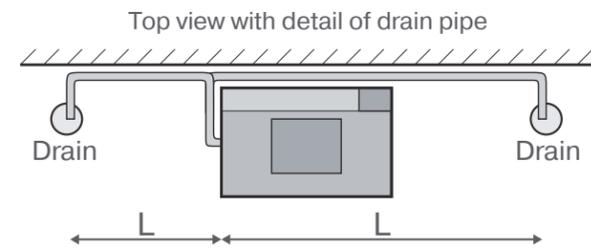
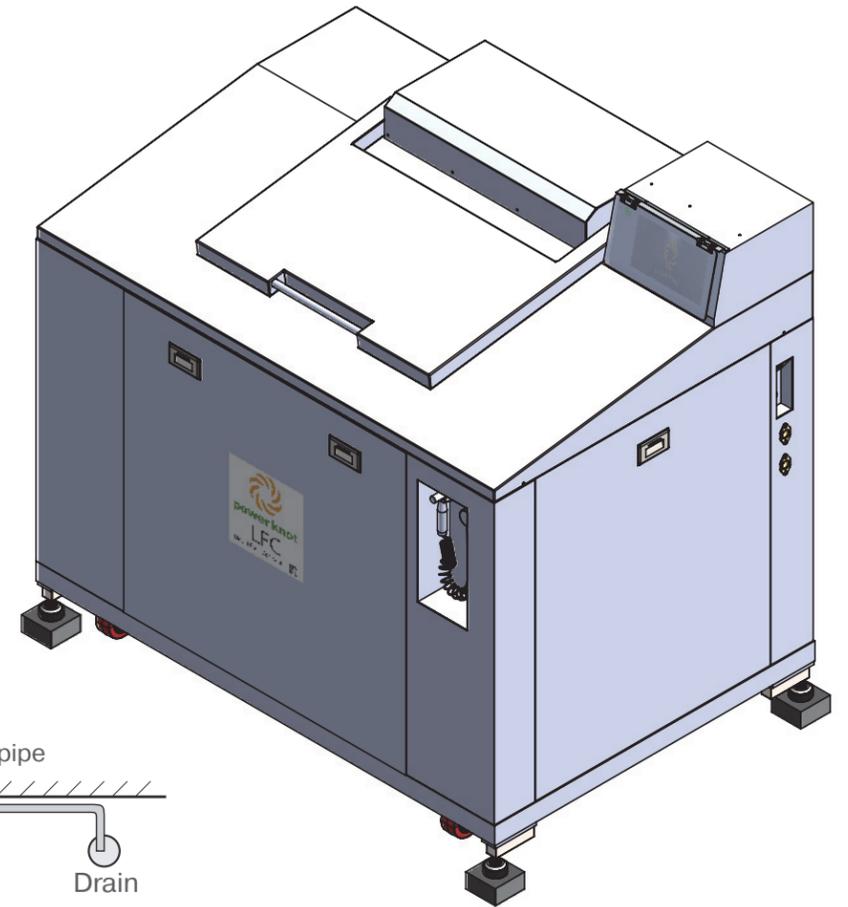
Back



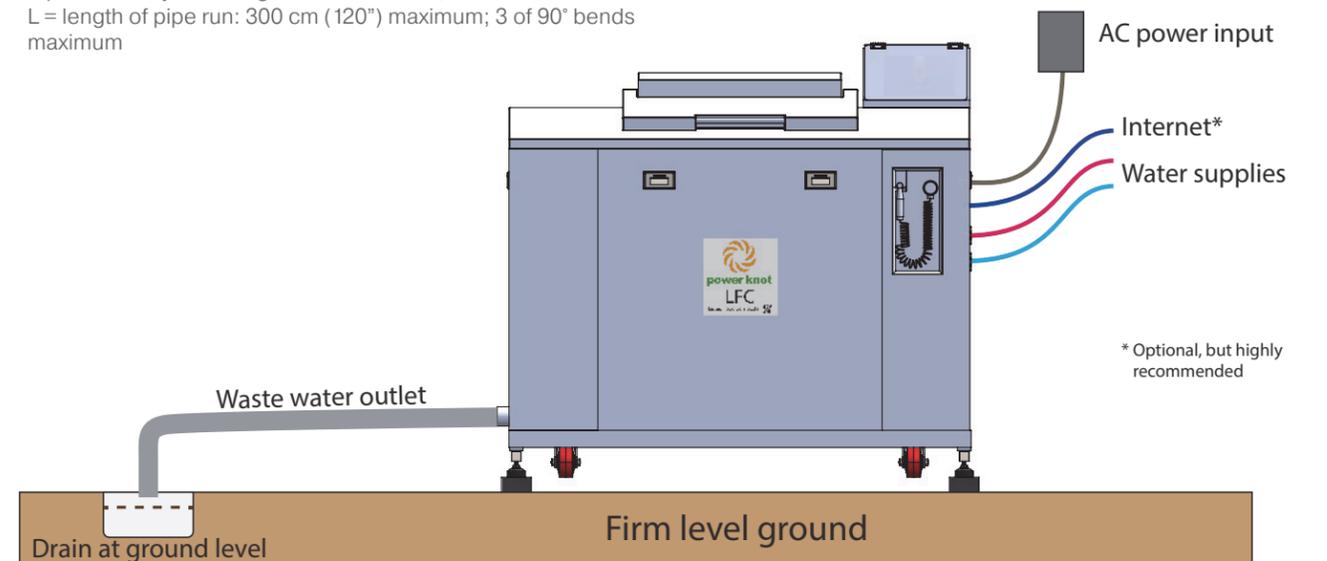
Left

# LFC-300

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: 300 cm (120") maximum; 3 of 90° bends maximum



\* Optional, but highly recommended

# LFC-300

Installation Requirements

## Nominal capacity per day

300 kg (660 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~35°C (39°F~95°F)

## Operating altitude

1000 m (3300 ft)

## Floor surface flatness required

±15 mm (0.6")

## Weight when empty

560 kg (1235 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

1010 kg (2230 lb) maximum

## Load per pad

340 kg (740 lb) maximum

## Pressure per pad

330 kPa (48 psi), maximum

## Space required around machine

**Left side:** 15 cm (6") minimum, 50 cm (20") ideal. Allow space for plumbing waste outlet

**Right side:** 15 cm (6") minimum, 60 cm (24") ideal. Space is required for maintenance. Allow space for inlet water, Ethernet, and ac power

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

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

## Water inlets

**Filter:** use external filter to remove particles and hardness

**Fitting:** DN15 (½") female

Typically use flexible hose pipes to allow machine to move freely

**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 filters, back flow prevention valves, mixing valves, heaters, pressure reducers, and bladder tanks to meet the above requirement as needed  
Install valves to disconnect water supplies near machine for servicing

## Water input per day

900 litre (240 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 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

1200 litre (320 gallon), typical

## Flow rate of waste water out

22 l/min (5.7 gpm), maximum  
0.8 l/min (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

1640 W

## Energy per day

10 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)

3 litre, included with initial purchase

## Powerchips

(Medium for microorganisms)

300 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

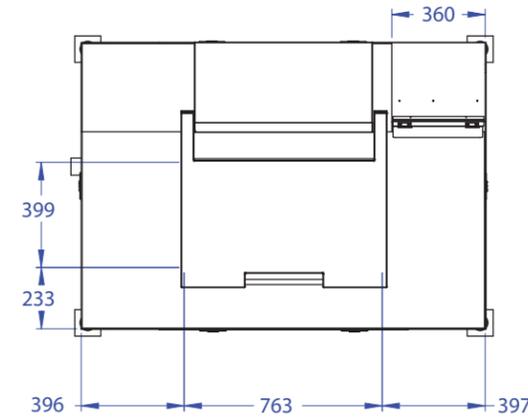
Compliant for EU and China



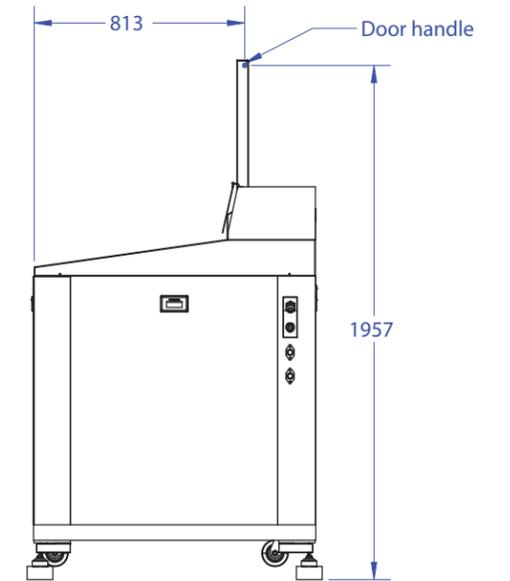
For complete details see User's Manual

# LFC-300

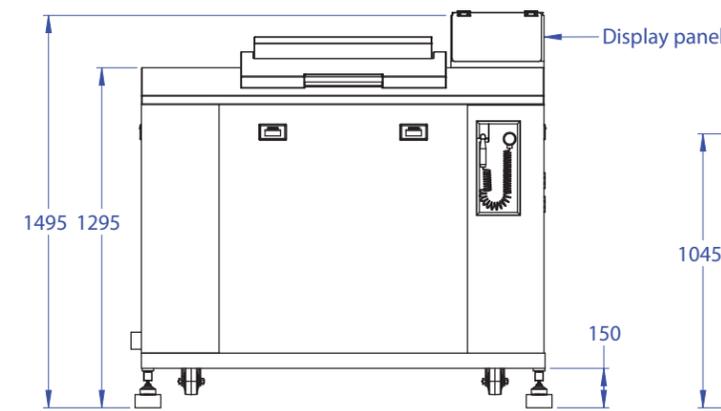
Dimensions in mm ±2 mm



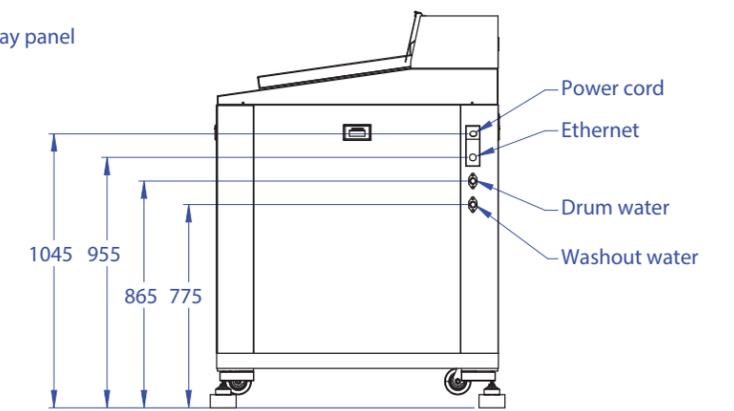
Top



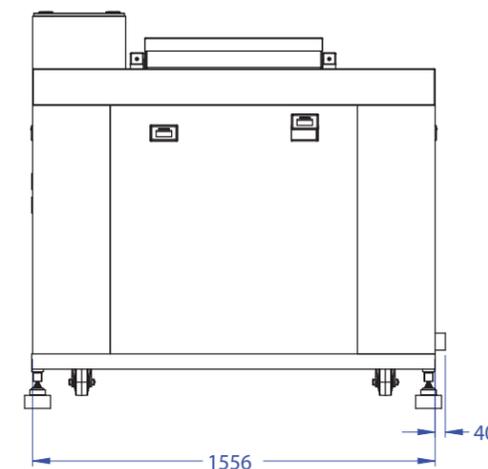
Right with door fully open



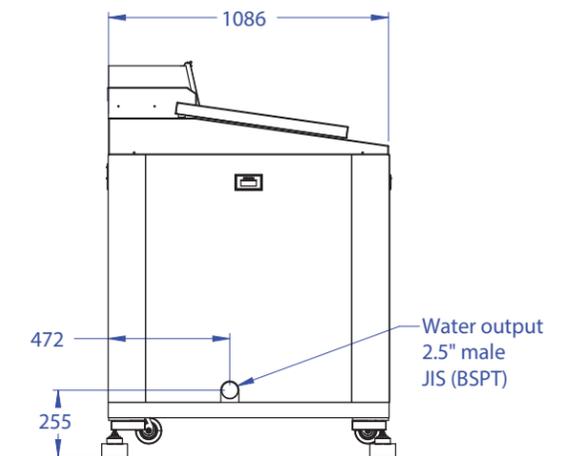
Front



Right



Back



Left