



Model M35 Specification Sheet

NSF Certification

The Clivus Model M35 is certified by the National Sanitation Foundation under Standard 41 (day-use, park).

Capacity

M35 VOLUME

Solids storage capacity: 234 cubic feet; 1,747 US gallons

Daily capacity at average temp. >65°F: 180 visits

Annual capacity at average temp. >65°F: 65,000 visits

Specifications and Materials

DIMENSIONS

Installed: Length: 103"; Width: 70.5"; Height: 89"

Weight: 800 lbs

Working Area on Top of Composter: 53"x53"

Waste Access Door: 10"x30" (composter front)

Compost Access Lid: 34.5"x70.5" (composter front)

Polyethylene Wall Thickness: 0.375" nominal

MATERIALS

The M35 Composter and its internal Liquid Separation Tank are rotationally molded high-density polyethylene resin that conforms with the following specifications:

- Density (ASTM D1505): 0.943 g/cm³
- Tensile Strength at Yield (ASTM D638): 3,000 psi
- Impact Brittleness Temperature (ARM Impact): -103°F
- Dart Impact (-40°C, 6.53 mils thickness): 180 ft-lbs
- Env. Stress Crack Resistance (D1693): 700 hrs

VENTILATION

AC: 115V, 71w, 60 Hz, .72 amp fan with 243 cfm at free air. Fan made of GE Noryl plastic, totally enclosed, ball-bearing motor, in-line, direct drive. UL & CSA approved. Energy Star rated. Diameter: 11.75"; Inlet/Outlet Diameter: 5.87"; Length: 7.75". The fan is mounted in-line near the composter, with 4" PVC or ABS ducting (not included).

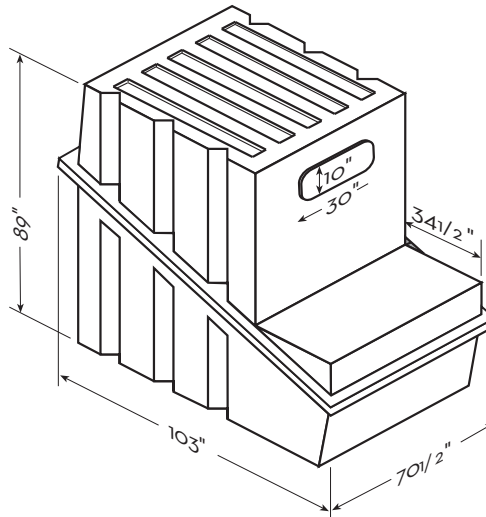


Figure 1. | M35 Composter

Rear of Composter

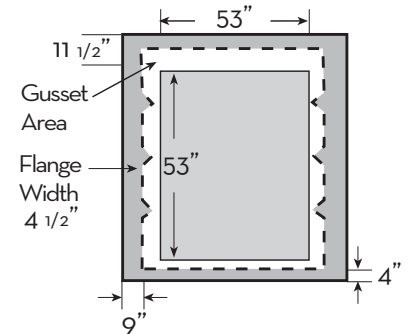


Figure 2. | M35 Composter, Top View

AUTOMATIC MOISTENING SYSTEM

An automatic control device monitors daily compost mass moistening. Timer is housed in water-resistant NEMA box. Spray time is pre-set at factory.

TANK ALARM

Automatic tank alarm responds to liquid level and air flow sensors.

AC: 120 VAC, 50/60 Hz, 7 watts max. Alarm Horn: 82 decibels at 10 feet; meets Type 3R water-tight standard as installed by factory. Alarm Beacon: meets Type 3R water-tight standard as installed by factory. CSA certified.

LIQUID REMOVAL PUMP

AC: Submersible, 115V, 5 amp, with 18', 3-conductor, oil-resistant cord. UL & CSA approved. 1" NPT liquid discharge outlet. Capacity is 20.4 gallons per minute at 1' with a maximum pumping height of 26.3'.

LIQUID END-PRODUCT SEPARATION TANK

Internal tank (45 US gallons) stores the liquid separately from the compost to enhance decomposition and to facilitate the removal of the liquid end-product by the automatic pump to a secondary storage tank.

Components

Solenoid: 120V AC, 50/60 Hz, UL & CSA listed.

Timer: Synchronous motor, 48 max. on-off cycles, 120V AC, 0.1 watts. 12V DC available.

TOILET OPTIONS

Waterless Toilet

Constructed of impact resistant fiberglass with sanitary white finish. Seat and lid are made of plastic; the liner is rotationally molded polyethylene. The toilet must be located directly over the composter, which is situated in a space or room below. The toilet is connected with a 14" diameter straight chute.

Toilet Height: Standard: 14"; ADA Compliant: 18"

Width: 18.5"; Length: 24.25"

Foam-flush Toilet

The Foam-flush toilet is constructed of vitreous ceramic. The seat and lid are made of plastic. The toilet connects to the composting unit with a 4" plastic pipe. The drain may slope up to 45 degrees from vertical. A water connection and a power connection (AC) are required.

Toilet height: Standard: 16"; ADA compliant: 17.5"

Width: 15"; Length: 29"