



OptiMICE[®] RACK

The OptiMICE[®] exhaust vented carousel caging system offers a unique means of rodent housing in the animal care industry. This system is unmatched in space-efficiency and its ability to house rodents in the best possible environmental conditions. The convection-assisted, low velocity, one-pass airflow through each cage provides animals with the gentle ventilation necessary to ensure maximum comfort in an ideal, low-stress living and breeding environment. With no motors or blowers, OptiMICE[®] equipped rooms are virtually noise, vibration, and odor-free.

OptiMICE[®] C89100 Rack Specifications

100-Cage Rack Assembly, Polycarbonate (also available in amber or clear polysulfone)

- Includes complete stainless steel rack assembly with reinforced polymer carousel, cages, casters, and 2 vent hose assemblies.
- Includes 100 mouse cage assemblies with filters, feeders, cage cards, and water bottles
- Rack Dimensions/100 cages -- 39.5”L x 39.0”W x 77.0” H.
- Rack Dimensions/60 cages -- 39.5”L x 33.5”W x 77.0” H. (4 columns of cages removed for door clearance)
- Two vent hoses mount near top center of rack with quick-disconnect fittings.
- 558 lbs complete and ready for installation.
- Rack assembly is mounted on stainless steel casters with 4” diameter hi-temp wheels. Two casters are provided with brakes and locks.
- Air flow requirements – 60 CFM recommended, 40 CFM minimum per rack.
- Full-height handles
- Pleated high-flow Reemay filter assemblies with integral faceplates

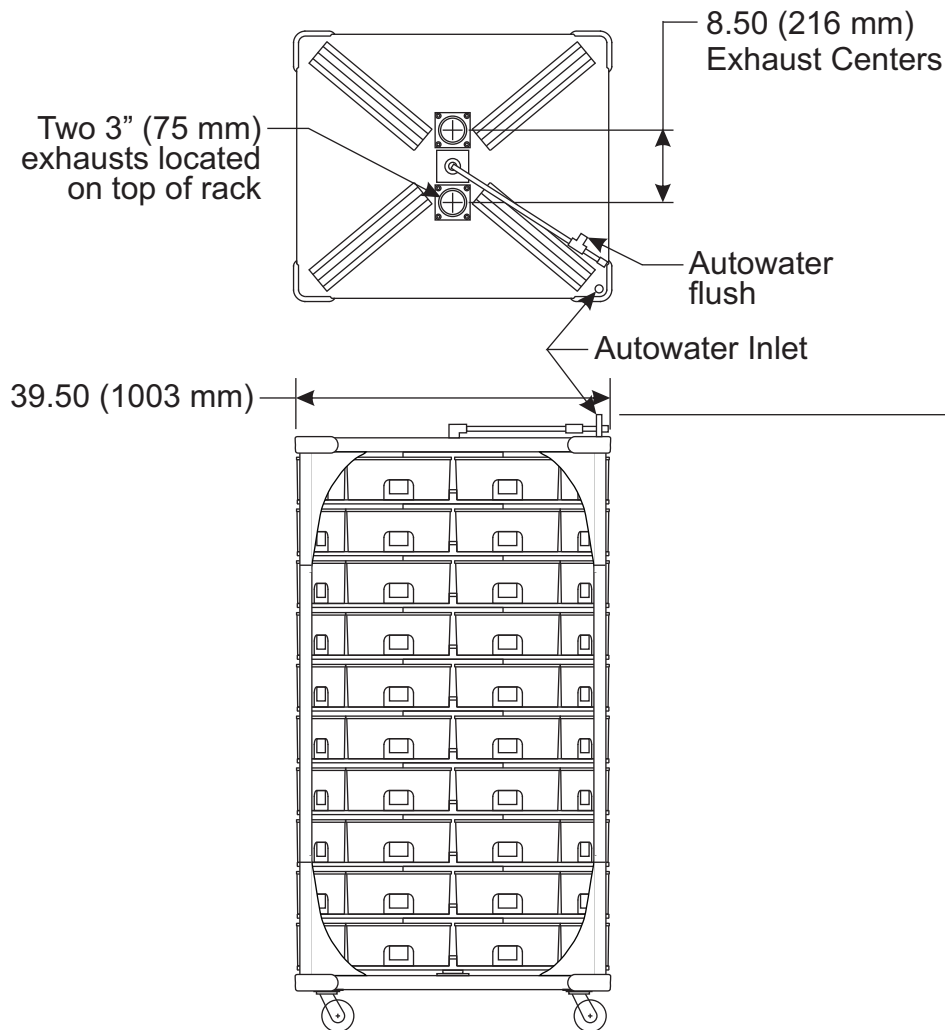
Cage Specific Information
Mouse Cage
Outside dims – 13.5” Lg x 11.5” Wide (front) x 6.1” H.
Inside dims - 12.5” Lg x 11.0” W (front) x 3.5” W (rear) x 5.06” H.
Floor area – 75 square inches
Capacity – 5 - 25g mice
Cage Material – Makrolon [®] polycarbonate or Udel [®] polysulfone
Feeder – polished stainless steel wire, .51 liter (17 oz) capacity
Water Bottle – 400 ml (13.5 oz)
Enrichment – raised shelves at front and rear of cage

The following items are available as options:

- Trough tunnel that provides enrichment for the animal population.
- OptiMICE rack available with Edstrom or SE Lab Group automatic watering option.
- Udel[®] M2000 amber polysulfone cage assemblies
- Udel[®] M2300 clear polysulfone cage assemblies
- Large Capacity Feeder, .89 liter (30 oz) capacity

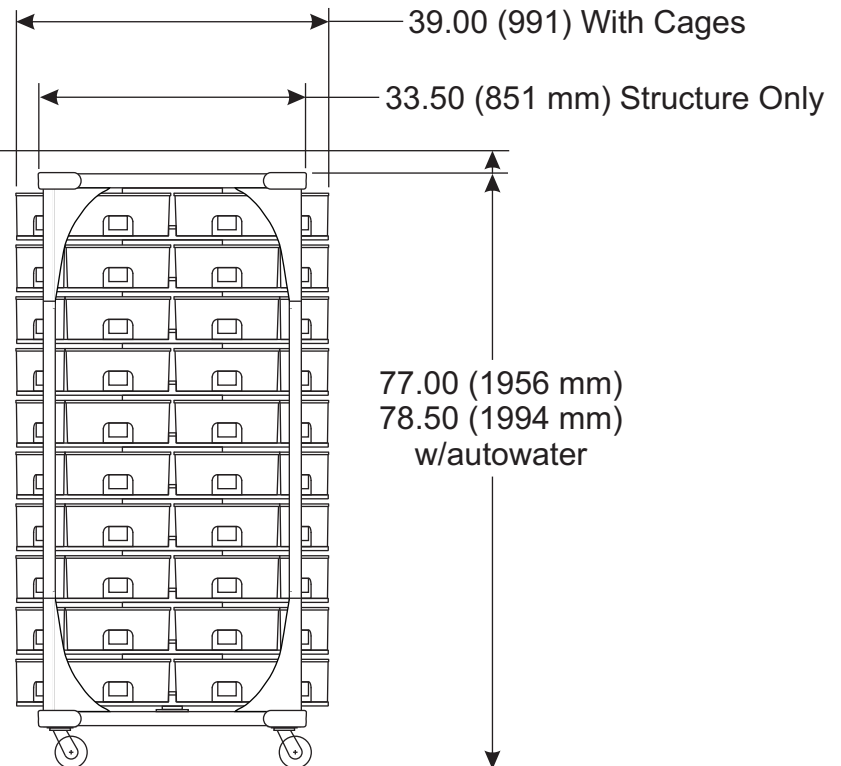
The OptiMICE[®] System offers closed-system, barrier isolation caging system providing unparalleled ease-of-use while maximizing population density and improving the welfare of both animals and caretakers.

Sheet 1




This specification also applies to the following racks

Std: C89100X
 Edstrom Watering: C89300X, C89302X
 SE Lab Watering: C89305X



OptiMICE C89100M Rack Specifications & Dimensions

Dimensions in inches (millimeters)

 ANIMAL CARE SYSTEMS Inc.	Part Name: C89100M
	Engineering Specification Sheet
Drawn by: S.Corell	Date: 1/07/05
Revised: 3/30/06 Revised 60 CFM pressure 11/07/06 Added autowater details	040907 Revised part nos. 092911 Added S/U ventilation

Weight - 558 lbs (253 kg) with cages
 Weight w/autowater - 565 lbs (256 kg)
 Autowater Connections - Type M stainless steel hose connection
 Minimum Ventilation:
 Standard cages - 40 CFM (1120 l/m) @ 0.10" W.G. (25 pa)
 Single-use cages - 60 CFM (1680 l/m) @ 0.15" W.G. (38 pa)
 Optimum Ventilation:
 Standard cages - 60 CFM (1680 l/m) @ 0.15" W.G. (38 pa)
 Single-use cages - 75 CFM (2100 l/m) @ 0.20" W.G. (50 pa)
 Minimum Ceiling Exhaust - 4" (100 mm) dia. duct
 Exhaust Hose - 2 each 3" (75 mm) dia. flexible x 72" (1830 mm) lg.