

Ergomice[®]

rack & caging technical specifications

Ergomice50[®], Ergomice70[®] and Ergomice80[®]

The **Ergomice[®]** 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, **Ergomice[®]** equipped rooms are virtually noise, vibration, and odor-free. And the **Ergomice[®]** rack allows cage access from a comfortable working level.

Ergomice50[®] C89150M Rack Specifications

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

- Includes complete stainless steel rack assembly with reinforced polymer carousel, cages, casters, and 1 vent hose assembly.
- Includes 50 mouse cage assemblies with filters, feeders, cage cards, and water bottles
- Rack Dimensions/50 cages -- 39.5"L x 39.0"W x 63.8" H. (1003 L x 991 W x 1621 H.)
- Rack Dimensions with 4 columns of cages removed for door clearance -- 39.5"L x 33.5"W x 63.8" H. (1003 L x 851 W x 1621 H.)
- Vent hose mounts at top center of rack with quick-disconnect fitting.
- 388 lbs (176 kg) complete and ready for installation.
- Rack assembly is mounted on stainless steel casters with 4" (100 mm) diameter hi-temp wheels. Two casters are provided with brakes and locks.
- Air flow requirements – 30 CFM (846 l/m) recommended, 20 CFM (564 l/m) minimum per rack.
- Full-height handles at all four corners of rack
- Pleated high-flow Reemay filter assemblies with integral face plates

Ergomice70[®] C89170M Rack Specifications

70-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 70 mouse cage assemblies with filters, feeders, cage cards, and water bottles
- Rack Dimensions/70 cages -- 39.5"L x 39.0"W x 77.0" H. (1003 L x 991 W x 1956 H.)
- Rack Dimensions with 4 columns of cages removed for door clearance -- 39.5"L x 33.5"W x 77.0" H. (1003 L x 851 W x 1956 H.)
- Vent hoses mount at top center of rack with quick-disconnect fittings.
- 463 lbs (210 kg) complete and ready for installation.
- Rack assembly is mounted on stainless steel casters with 4" (100 mm) diameter hi-temp wheels. Two casters are provided with brakes and locks.
- Air flow requirements – 45 CFM (1269 l/m) recommended, 30 CFM (846 l/m) minimum per rack.
- Full-height handles at all four corners of rack
- Pleated high-flow Reemay filter assemblies with integral face plates

Ergomice80[®] C89180M Rack Specifications

80-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 80 mouse cage assemblies with filters, feeders, cage cards, and water bottles

Ergomice®

rack & caging technical specifications

- Rack Dimensions/80 cages -- 39.5"L x 39.0"W x 63.8" H. (1003 L x 991 W x 1621 H.)
- Rack Dimensions with 4 columns of cages removed for door clearance -- 39.5"L x 33.5"W x 63.8" H. (1003 L x 851 W x 1621 H.)
- Vent hoses mount at top center of rack with quick-disconnect fittings.
- 479 lbs (217 kg) complete and ready for installation.
- Rack assembly is mounted on stainless steel casters with 4" (100 mm) diameter hi-temp wheels. Two casters are provided with brakes and locks.
- Air flow requirements – 48 CFM (1354 l/m) recommended, 32 CFM (902 l/m) minimum per rack.
- Full-height handles at all four corners of rack
- Pleated high-flow Reemay filter assemblies with integral face plates

Cage Specific Information

Outside dims: 13.5" (343 mm) Lg x 11.5" (292 mm) Wide (front) x 6.1" (155mm) H.

Inside dims: 12.5" (318 mm) Lg x 11.0" (279 mm) W (front) x 3.5" (89 mm) W (rear) x 5.06" (129 mm) H.

Floor area: 75 square inches (484 square centimetres) Capacity – 5 - 25g mice

Cage Material: Makrolon® polycarbonate or Udel® polysulfone

Feeder: polished stainless steel wire, .51 liter (17 fl. oz) capacity

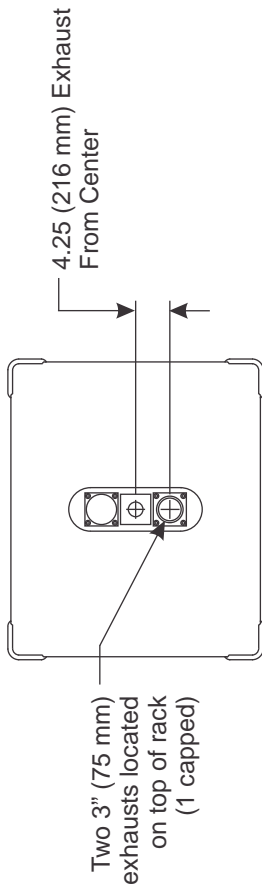
Water Bottle: 400 ml (13.5 oz) Enrichment – raised shelves at front and rear of cage

The following are some of the options available with the **Ergomice80®** rack:

- Trough tunnel that provides enrichment for the animal population.
- The **Ergomice®** rack is available with Edstrom and SE Lab Group automatic watering.
- Udel® M2000 amber polysulfone cage assemblies
- Udel® M2300 clear polysulfone cage assemblies
- Large capacity .89 liter (30 fl. oz) feeder

The **Ergomice®** 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.

Ergomice50[®]



This specification also applies to the following racks

Std: C89150P, C89150S

Watering option not available on the ErgoMICE50

Weight – 388 Lbs (176 kg) with cages

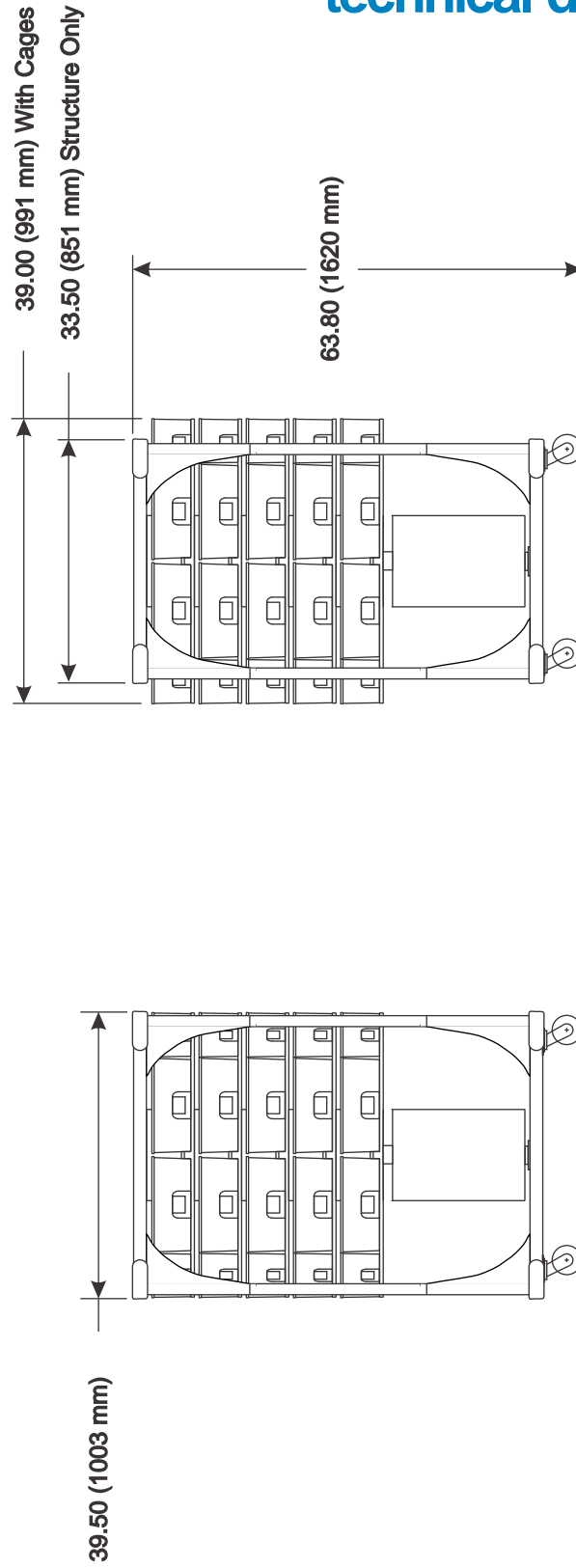
Minimum Ventilation – 20 CFM (564 l/m)

Recommended Ventilation – 30 CFM (846 l/m)

Minimum Ceiling Exhaust – 4" (100 mm) Dia. Duct

Exhaust Hose – 1 ea. 3" (75 mm) Dia. Flexible x 120" (3050 mm) Lg.

Dimensions in inches (millimeters)



Ergomice[®]
technical drawings

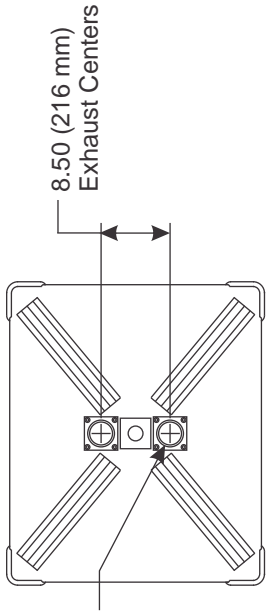
Ergomice70[®]

Weight – 463 Lbs (210 kg) with cages
 Minimum Ventilation – 30 CFM (840 l/m)
 Recommended Ventilation – 45 CFM (1260 l/m)
 Minimum Ceiling Exhaust – 4" (100 mm) Dia. Duct
 Exhaust Hose – 2 ea. 3" (75 mm) Dia. Flexible x 120" (3050 mm) Lg.

This specification also applies
 to the following racks

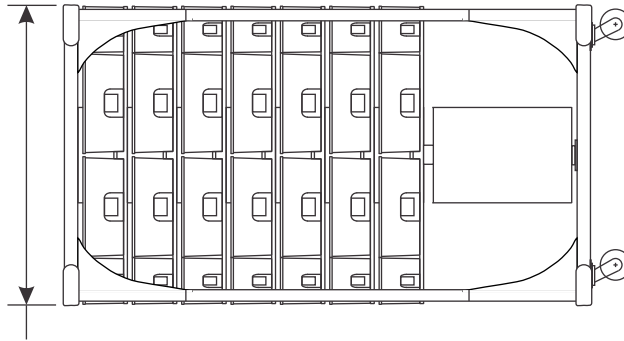
Std: C89170P, C89170S

Watering option not available on the ErgoMICE70

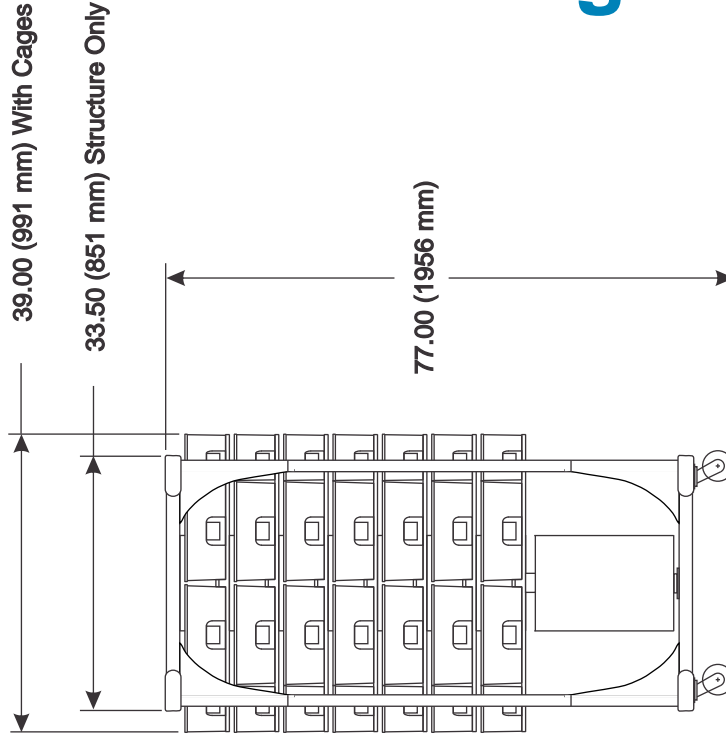


8.50 (216 mm)
 Exhaust Centers

Two 3" (75 mm)
 exhausts located
 on top of rack.



39.50 (1003 mm)



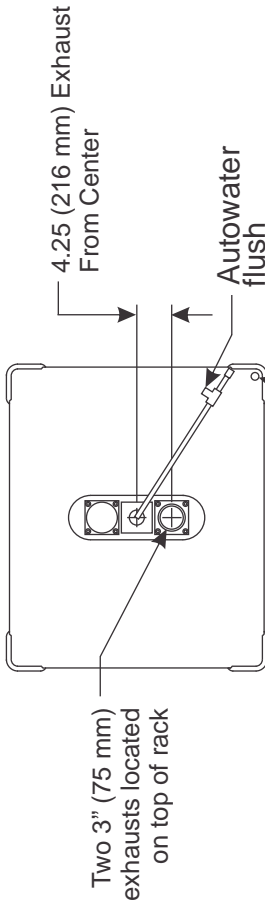
39.00 (991 mm) With Cages

33.50 (851 mm) Structure Only

77.00 (1956 mm)

Ergomice[®]

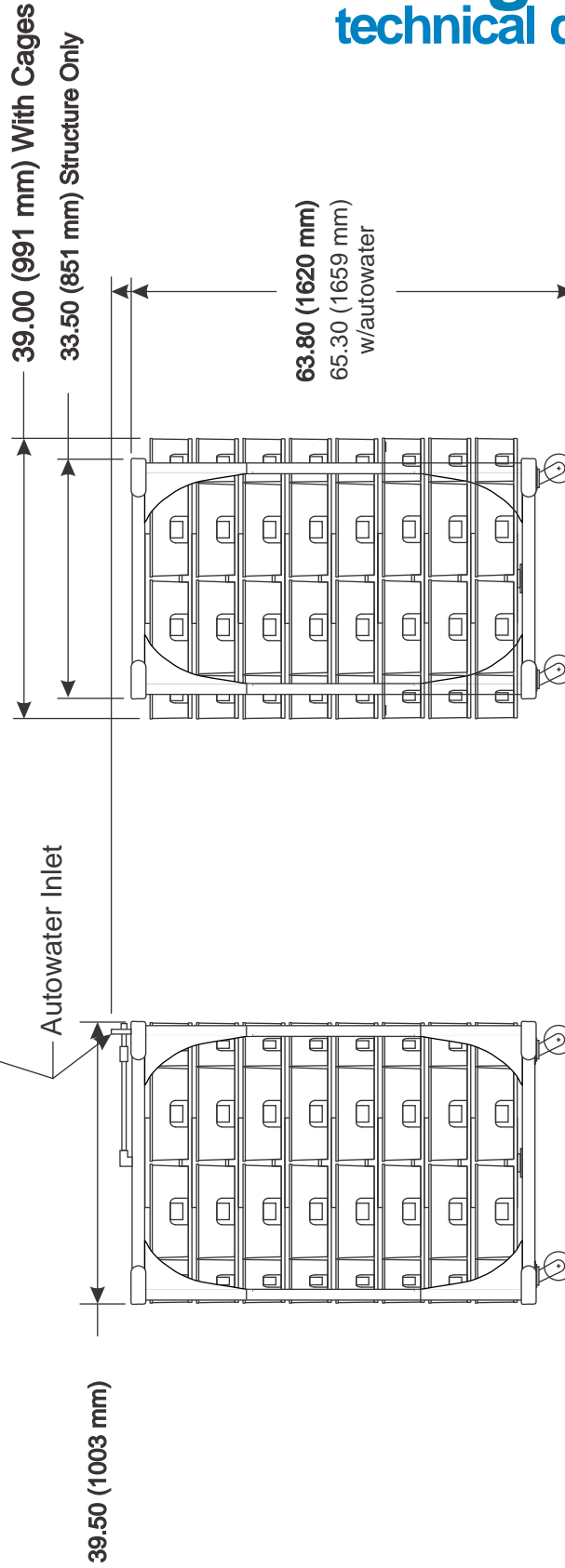
Ergomice80[®]



Weight – 479 Lbs (217 kg) with cages
 Weight w/autowater -- 486 Lbs (220 kg)
 Minimum Ventilation – 32 CFM (902 l/m)
 Recommended Ventilation – 48 CFM (1354 l/m)
 Minimum Ceiling Exhaust – 4" (100 mm) Dia. Duct
 Exhaust Hose – 2 ea. 3" (75 mm) Dia. Flexible x 120" (3050 mm) Lg.

This specification also applies to the following racks

Std: C89180P, C89180S
 Edstrom Watering: C89280M, C89280P, C89280S
 C89282M, C89282P, C89282S
 SE Lab Watering: C89285M, C89285P, C89285S



Ergomice[®]
 technical drawings