



ECOBEE_{LLC}

Sustainable Building

2001A Compressed Earth Block Machine

Machine Specifications and Production Limits

- Weight:** 1640 Pounds
- Dimensions:** 81 in. long by 56 in. high
206 cm. long by 142.2 cm. wide by 130 cm. high
Road clearance approximately 6 inches (15cm)
- Power Source:** 7.0 HP Yanmar diesel engine
- Hydraulic System:** Worldwide hydraulics, 19.5-gallon tank capacity, Beta rated filtration system
- Hopper Capacity:** 8 – 9 Blocks, can be loaded by hand with shovels or buckets
- Block Production Rate:** Approximately 300 blocks per hour or 2400 per 8 hour day. Blocks ejected by the machine are immediately ready to place in the wall or to stock on pallets for temporary storage.
- Block Sizes:** Typical block size is 6" (15 cm) X 12" (30.5 cm) X 2.0 to 4.5" (5.0 cm to 11.5 cm) thick and weigh between 9-18 pounds (4.1 Kg to 8.1 Kg) depending on the soil and block thickness. Blocks are bonded together using the wet thin soil slurry or other conventional methods. The soil slurry is made with only water and screened soil. Blocks can also be placed in the wall using the traditional thick mud mortar method.
- Features:** CE and EC compliant. Replaceable Tray contact wear plates, Replaceable Breech liners, 5 foot removable gravity roller conveyor and stand are standard.
- Trailer Characteristics:** Can be towed at 60 mph by 2" ball hitch by compact car or truck. Machine can be moved easily by hand on site. Removable brake lights and turn signals setup for connecting towing vehicle to machine. Optional hitches available for an additional charge by ordering before manufacturing begins.
- Warranty Requirements:** We require 2 days for training 1- 4 people. On the machine, soil selection, site management and Product Safety to Validate the Warranty.
- Trailer Characteristics:** Can be towed at 60 mph by 2" ball hitch by compact car or truck. Machine can be moved easily by hand on site. Removable brake lights and turn signals setup for connecting towing vehicle to machine. Optional hitches available for an additional charge by ordering before manufacturing begins.



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2500HD Compressed Earth Block Machine With Hopper

Machine Specifications and Production Limits

- Weight:** 4000 pounds (2500 Heavy Duty)
- Dimensions:** 133 in. long (with ball hitch) or 131 in. long (with a Pental hitch) x 81 in. wide x 109 in. high when Hopper is open, and 85 in. high when hopper is closed. (332.74 cm. long (Pental) x 205.74 cm. wide x 276.86 cm. high w/ hopper open 215.9 cm. closed.) Road clearance approximately 12 inches (30.5 cm)
- Power Source:** 22 HP - 3 Cylinder Yanmar Water Cooled Diesel Engine
- Hydraulic System:** Worldwide hydraulics, 50-gallon tank capacity, Beta rated filtration system With oil cooler.
- Hopper Capacity:** 85 - 105 Blocks (depending on block thickness), one yard of soil
- Block Production Rate:** Approximately 480 blocks per hour. Soil only blocks ejected by the machine are immediately ready to place in the wall or to stack on pallets for temporary storage. Cement or Lime stabilized blocks must be cured as per normal curing method.
- Block Sizes:** Typical block size is 6" (15 cm) X 12" (30.5 cm) X 2.0 to 4.5" (5.0 cm to 11.5 cm) thick and weigh between 9-18 pounds (4.1 Kg to 8.1 Kg) depending on the soil and block thickness. Soil only blocks are bonded together using the wet thin soil slurry or other conventional methods. The soil slurry is made with only water and screened soil. Blocks can also be placed in the wall using the traditional thick mud mortar method.
- Features:** CE and EC compliant. Replaceable Tray contact wear plates, Replaceable Breech liners, 5 foot removable gravity roller conveyor and stand are standard.
- Warranty Requirements:** We require 2 days for training 1- 4 people. On the Machine, Soil Selection, Site Management and Product Safety to Validate the Warranty.
- Trailer Characteristics:** Can be towed at legal highway speeds by interchangeable 2" ball hitch or by Pental hitch by a ½ ton truck. This includes electric brake and USA lighting package.



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3500 Compressed Earth Block Machine

Machine Specifications and Production Limits

- Weight:** 5200 lbs. with fuel and hydraulic tanks full
- Dimensions:** 7.38 ft. wide by 13.67 ft. long by 8.92 ft. high (operational height)
2.25 m. wide by 4.17 m. long by 2.72 m. high
Travel height – 6.83 ft. (2.08m high)
- Power Source:** Yanmar liquid cooled diesel engine with Murphy oil and water safety switches
- Fuel Consumption:** 1.5 gallons per hour
- Hydraulic System:** Worldwide hydraulics, 40 gallons capacity, Beta rated filtration system
- Hopper Capacity:** 85 - 105 Blocks (depending on block thickness), one yard of soil
- Air to Oil Cooler:** Operating ambient temperature range +28°F to +110°F.
- Automated Controls:** Omron Industrial Programmable Controller in a NEMA 12 box, all Solid State
- Block Production Rate:** 480 blocks per hour for average 3½ inch thick block
- Block Sizes:** Typical block size is normally 10" x 14" x 3.5" (25.4 cm x 35.6 cm x 8.89 cm); interior wall blocks typically 7" x 14" x 3.5" (17.8 cm x 35.6 cm x 8.89 cm); 8" x 14" x 3.5" size plates are optional with an additional charge; machine makes blocks for walls of 7", 8", 10", or 14" thickness; block thickness is variable from 2 to 4.5"
- Features:** CE and EC compliant. Replaceable Tray contact wear plates, Replaceable Breech liners, 10 ft. conveyor and stand are standard equipment.
- Trailer Characteristics:** 6000 lb. axle with hydraulic/surge brakes normal USA lighting package, may be towed at legal highway speed or as road conditions dictates, Pental/Lunette hitch standard. Optional hitches available for an additional charge by ordering before manufacturing begins.
- Recommended Daily Maintenance Schedule:** 45 minutes daily; recommended maintenance schedule available
- Periodic Engine Maintenance:** As recommended by the engine manufacturer



**Additional
Acclaims and
Associations**