

The Liberator Full Product Release

Open Source, High Performance CEB Press

Model	<i>The Liberator</i> v1.0
Release Status	Full Product Release
License	OSE License
Press Type	Hydraulic, automatic, vertical press
Production Rates (24 GPM fluid flow) - 4"x6"x12" - 2.5"x6"x12"	16 bricks per minute 13 bricks per minute
Size (LxWxH)	72"x72"x83"
Power source	Not included; a hydraulic source up to 28 gpm may be used
Operating system pressure	2300 psi
Cylinders (Bore x Stroke x Rod)	5"x8"x2" main, 2.5"x14"x1.25" secondary
Compression force	23 short tons
Block Size	(2-5)"x6"x12"
Materials Cost	US\$3,600
Weight	1650 lb
Soil requirements, cubic yards per hour	~9
Hopper	6'x3' oreifice, with grate
Hopper loading	Tractor loader or conveyor; may be loaded manually
Hopper shaker	hydraulic motor with eccentric hammer
Included features	Complete CEB machine with hydraulic system (but NO power source); grate; hopper shaker; soil sensor; automatic controller with sensors; 3-spool solenoid valve; hopper; kill switch; user documentation; ready to plug into hydraulic source;
Special features	4-side alignment adjustments for minimizing abrasion in chamber 2 pressing modes: <i>uniform thickness</i> and <i>uniform compressive strength</i> modes Machine may be lowered 2 feet by adjusting legs for easier loading Fits on the back of ½ ton pickup truck, using adjustable legs Open source electronic controls
Price FOB Kansas City area, USA	US\$8,000.00
Delivery and assembly options	- Pick up - Shipping - disassembly/crating fee of \$400, plus shipping - Assembled machine may also be shipped
Delivery time	21 day on-demand fabrication time, from receipt of FOB payment in full
Warranty	1 year for manufacturer's defects

Updated 6.13.10