



International Construction Equipment
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ICE Model 110C Tandem Hydraulic Vibratory Driver/Extractor with Two Model 1200E Power Units



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Highest driving force (818 tons, 7280 kN) from tandem unit.
 Up to 280 ton (2500 kN) line pull for extraction.



ICE Model 110CTandem Hammer

Eccentric moment	22000 in-lbs	252 kg-m
Maximum frequency	1600 vpm	
Driving Force	824 tons	7340 kN
Centrifugal force	800 tons	7120 kN
Amplitude (free w/o clamp)	3.2 in	80 mm
Standard line pull for extracting	220 tons	2040 kN
Maximum line pull for extracting	280 tons	2500 kN
Weight (no clamp or hoses)	37,000 lbs	16780 kg
Non-vibrating Weight	9,600 lbs	4 350 kg
Height without clamp (H)	104 in	2 630 mm
Length (L)	98 in	2 470 mm
Width (W)	61 in	1 535 mm
Hydraulic hose length	150 ft	46 m
Hydraulic hose weight	4,800 lbs	2180 kg

Two - ICE Model 1200E Power Unit

Engine	2x Twin CAT C15	
Emissions rating	EPA Flex	EU Flex
Power	2380 HP	1 774 kW
Operating speed	1,900 rpm	1 900 rpm
Maximum motors pressure	5,500 psi	380 bar
Motors flow (no load)	560 gpm	2 130 lpm
Clamp pressure	4,700 psi	325 bar
Clamp flow	12 gpm	44 lpm
Weight (w/ full fluid & 1/2 fuel)	32,500 lbs	14 740 kg
Length	224 in	5 700 mm
Width	84 in	2 135 mm
Height	114 in	2 900 mm
Hydraulic oil capacity	550 gal	2 080 liters
Fuel Capacity	430 gal	1 625 liters

DESIGNED AND MANUFACTURED IN USA BY ICE*

WORLD LEADER IN COST-EFFECTIVE FOUNDATION EQUIPMENT SINCE 1974.

Constant improvement and engineering progress make it necessary that ICE*, Inc reserve the right to make specification changes without notice.
 Please consult ICE* for the latest available information.

ICE Model 110C Tandem Hydraulic Vibratory Driver/Extractor with Two Model 1200E Power Units



Patented design combines high eccentric moment (22,000 in-lbs, 252 kg-m) and suspended weight with caisson clamps under 57,000 lbs (26000 kg).

Maximum efficiency and reliability are provided by our open-loop hydraulic system and application proven piston pumps and motors.

Optional bias weights up to 11,000 lbs (4990 kg) to increase pile penetration rates in difficult soils.

Quad caisson clamps.

Versatile - can be easily separated into two individual 110C vibrators.

Adaptable for underwater.

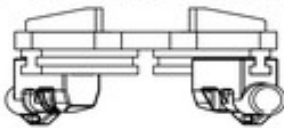
Environmentally friendly, non-toxic, biodegradable hydraulic oil.



Remote-control pendant for vibrator and clamp with emergency stop. Engine speed control for fuel efficiency.

Clamps & Accessories

7' Caisson Plate with Four Model 145W Clamps



Clamping Force	568 tons	5062 kN
Weight	17,600 lbs	7985 kg
Length	96 in	2440 mm
Width	56 in	1425 mm
Height	33 in	850 mm
Min Pile ID	42 in	1051 mm
Max Pile OD	84 in	2135 mm

Quad Caisson Beam with Four Model 180H Clamps



Clamping Force	784 tons	6976 kN
Weight	41,120 lbs	18650 kg
Length	13.16 ft	4000 mm
Width	9.83 ft	2980 mm
Height	58 in	850 mm
Min Pile ID	42 in	1051 mm
Max Pile OD	168 in	4275 mm

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"Due to improvements to ICE manufactured products and the EPA mandated Tier III emission regulations, unit specifications are subject to change without notice. Please contact ICE engineering department to confirm possible changes."