

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



Highest driving force (818 tons, 7280 kN) from tandem unit.
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).
Quad 595HP (444 kW) CAT C15 Tier 3 (Stage IIIA) engines meet all EPA & EU emission regulations.
Up to 280 ton (2500 kN) line pull for extraction.



Patented Dual-pull™ suppressor provides maximum vibration isolation during driving and light extraction combined with high pull capability for tough extraction jobs.

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

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

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

Adaptable for underwater.

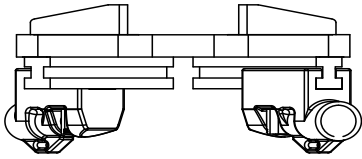
Environmentally friendly Chevron Clarity® non-toxic, biodegradable hydraulic oil.

Designed and manufactured in the USA by ICE®, world leader in cost-effective foundation equipment since 1974.

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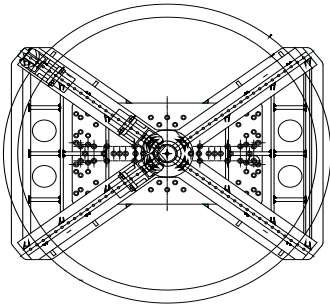


6' Caisson Plate with Four Model 142B Clamps



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

13' Caisson Beam with Four Model 142B Clamps



Clamping Force	568 tons	5062 kN
Weight	51,170 lbs	22760 kg
Length	13.16 ft	4000 mm
Width	9.83 ft	2980 mm
Height	58 in	850 mm

Model 110C Tandem Vibrator Specifications

Eccentric moment	22,000 in-lbs	252 kg-m
Maximum frequency	1600 vpm	
Driving force	818 tons	7 280 kN
Centrifugal force	800 tons	7 120 kN
Amplitude (free w/o clamp)	3.2 in	80 mm
Standard line pull for extracting	220 tons	2 040 kN
Maximum line pull for extracting	280 tons	2 500 kN
Weight (no clamp or hoses)	37,000 lbs	16 780 kg
Non-vibrating weight	9,600 lbs	4 350 kg
Height without clamp (H)	104 in	2 630 mm
Vibrator length (L)	98 in	2 470 mm
Vibrator width (W)	61 in	1 535 mm
Hydraulic hose length	150 ft	46 m
Hydraulic hose weight	4,800 lbs	2 180 kg
Height w/ quad plate & caisson clamps*	137 in	3 480 mm
Weight w/ quad plate & caisson clamps*	57,000 lbs	25 855 kg
Height w/ quad beam & caisson clamps*	162 in	4 115 mm
Weight w/ quad beam & caisson clamps*	90,570 lbs	41 100 kg

* See "Clamps and Accessories Manual" for in depth description

Specs for two Model 1200E Power Units

Engine	2 x Twin CAT C15	
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 (each)(w/ full fluid & 1/2 fuel)	32,500 lbs	14 740 kg
Length (each)	224 in	5 700 mm
Width (each)	84 in	2 135 mm
Height (each)	114 in	2 900 mm
Hydraulic reservoir (each)	550 gal	2 080 liters
Fuel capacity (each)	430 gal	1 625 liters

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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.

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