

# Universal Series Model 110C With Model 1200E Power Unit Hydraulic Vibratory Driver/ Extractor



Highest driving force (400 tons, 3560 kN) in its class

New design combines high eccentric moment (11,000 in-lbs, 126 kg-m) and suspended weight with caisson clamp under 30,000 lbs (13600 kg)

Twin 595HP (444 kW) CAT C15 Tier 3 (Stage IIIA) engines meet all EPA & EU emission regulations through 2013

Up to 150 ton (1334 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.

Computer controls on power unit reduce fuel consumption, pinpoint repair needs, & provide diagnostics and logs.

Optional 5,500 lbs (2494 kg) of bias weight increases pile penetration rates in difficult soils.

Full range of clamps available for sheet piling, H-Beams, pipe & caissons including quad caisson clamps.

Maximum efficiency and reliability ensured by our open-loop hydraulic system. Highest quality, reliable piston pumps and motors.

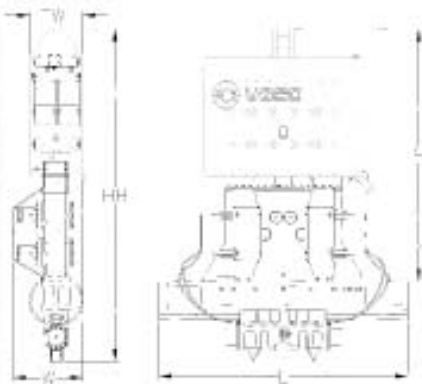
Remote-control pendant for vibrator and clamp with emergency stop. Engine speed control for fuel efficiency.

Adaptable for underwater, low headroom or box leads operation.

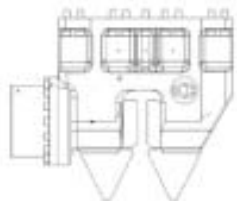
Environmentally friendly, Chevron Clarity® non-toxic, biodegradable hydraulic oil.

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

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## Clamps & Accessories



**Model 385  
Sheeting Clamp**

Clamping force  
360 tons, 3202 kN  
Weight  
5,000 lbs, 2268 kg



**10' Caisson Beam with  
Model 142BH Caisson Clamps**

Clamping force  
284 tons, 1526 kN  
Weight  
10,000 lbs, 4536 kg

Other Model V360 Accessories  
12' Quad beam

## Model 110C Vibrator Specifications

Eccentric moment	11,000 in-lbs	126 kg-m
Frequency range	800-1600 vpm	
Driving force	409 tons	3642 kN
Centrifugal force	400 tons	3560 kN
Amplitude (free w/o clamp)	1.59 in	40 mm
Standard line pull for extracting	110 tons	1020 kN
Maximum line pull for extracting	140 tons	1250 kN
Weight (no clamp or hoses)	18,500 lbs	8392 kg
Non-vibrating weight	4,800 lbs	2175 kg
Height without clamp (H)	104 in	2630 mm
Length (L)	98 in	2470 mm
Width (W)	23 in	584 mm
Throat width (TW)	15.25 in	387 mm
Hydraulic hose length	150 ft	46 m
Hydraulic hose weight	2,400 lbs	1090 kg
Height with sheeting clamp* (HH)	150 in	3800 mm
Weight with sheeting clamp & 1/2 hoses*	22,600 lbs	8735 kg
Height with beam & caisson clamps*	151 in	3825 mm
Weight with beam & caisson clamps*	26,710 lbs	12115 kg

\* See "Clamps and Accessories Manual" for detail description

## Model 1200E Power Unit Specifications

Engine	Twin CAT C15	
Power	1190 HP	887 kW
Operating speed	2,000 rpm	2000 rpm
Maximum motors pressure	5,500 psi	380 bar
Motors flow (no load)	260 gpm	990 lpm
Clamp pressure	4,700 psi	325 bar
Clamp flow	6 gpm	22 lpm
Weight (w/ full fluid & 1/2 fuel)	32,500 lbs	14740 kg
Length	224 in	5700 mm
Width	84 in	2135 mm
Height	114 in	2900 mm
Hydraulic reservoir	550 gal	2080 liters
Fuel capacity	430 gal	1625 liters

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Constant improvement and engineering progress make it necessary that ICE<sup>®</sup>, Inc reserve the right to make specification changes without notice. Please consult us the latest available information.