

# ICE<sup>®</sup> Model 14C Hydraulic Vibratory Driver/ Extractor with Model 230G Power Unit



Patented design combines high eccentric moment (1,400 in-lbs, 16 kg-m) and suspended weight with clamp (5,280 lbs, 2395 kg).

Lighter weight provides for increased reach or use with smaller cranes.

Reduced height allows better access in low-overhead situations.

Up to 48 tons (430 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.

225HP (168 kW) CAT C6.6 Tier 3 (State IIIA) engine meets all EPA & EU emission regulations.

Optional 2,650 lbs (1200 kg) bias weights increase pile penetration rates in difficult soils.

Full range of clamps available for sheet piling, H-Beams, pipe & caissons and timber & concrete piles.

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, low headroom or box leads operation.

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.



**INTERNATIONAL CONSTRUCTION EQUIPMENT, INC.**

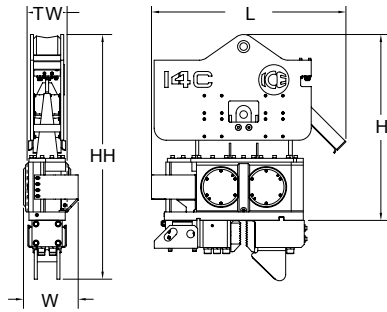
PACO Equipment | USA (WA/CA) - CANADA (Alberta / BC / Saskatchewan)

Corporate Office: 250 S. Webster Street Seattle, WA 98108 | 800.658.6379 | [pacoequip.com](http://pacoequip.com)

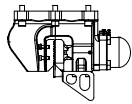
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## Dimensions

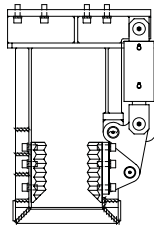


## Clamps & Accessories



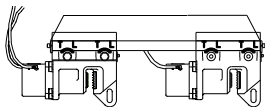
### Model 90 Sheeting Clamp

Clamping force  
90 tons, 800 kN  
Weight  
1065 lbs, 483 kg



### Model 40 Wood, Concrete & Pipe Clamp

Clamping force  
40 tons, 355 kN  
Weight  
3,220 lbs, 1460 kg



### 3' Caisson Beam with Model 100BH Caisson Clamps

Clamping force  
220 tons, 1950 kN  
Weight  
3,010 lbs, 1376 kg

### Other Model 14C Accessories

Bias weights  
Vibrator stand  
5' Caisson Beam

## Model 14C Vibrator Specifications

Eccentric moment	1,400 in-lbs	16 kg-m
Maximum frequency	1900 vpm	
Driving force	74 tons	660 kN
Centrifugal force	72 tons	640 kN
Amplitude (free w/o clamp)	1.2 in	30 mm
Standard line pull for extracting	48 tons	430 kN
Maximum line pull for extracting	48 tons	430 kN
Weight (no clamp or hoses)	3,785 lbs	1716 kg
Non-vibrating weight	1,400 lbs	635 kg
Height without clamp (H)	62 in	1565 mm
Length (L)	65 in	1635 mm
Width (W)	19 in	460 mm
Throat width (TW)	13.25 in	337 mm
Hydraulic hose length	100 ft	30 m
Hydraulic hose weight	850 lbs	385 kg
Height with sheeting clamp* (HH)	81 in	2060 mm
Weight with sheeting clamp & 1/2 hoses*	5280 lbs	2395 kg
Height with beam & caisson clamps*	95 in	2400 mm
Weight with beam & caisson clamps*	7,190 lbs	3260 kg

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

## Model 230G Power Unit Specifications

Engine	Caterpillar C6.6	
Power	225 HP	168 kW
Operating speed	2,100 rpm	2100 rpm
Max. motors pressure	4,500 psi	310 bar
Motors flow (no load)	70 gpm	265 lpm
Clamp pressure	4,500 psi	310 bar
Clamp flow	6 gpm	25 lpm
Weight (w/ full fluid & 1/2 fuel)	9,310 lbs	4225 kg
Length	110 in	2800 mm
Width	58 in	1475 mm
Height	77 in	1960 mm
Hydraulic reservoir	275 gal	1040 liters
Fuel capacity	120 gal	460 liters

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