



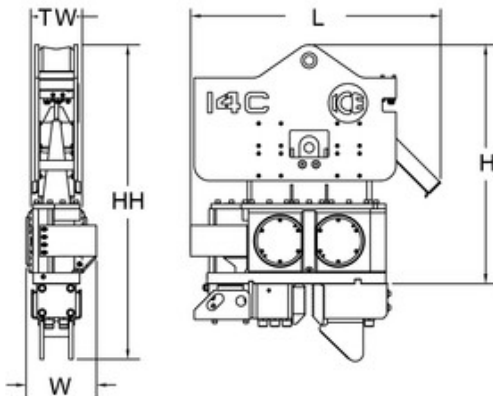
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ICE® Model 14D Hydraulic Vibratory Driver/Extractor with Model 230H Power Unit



WWW.ICEUSA.COM
 888-ICE-USA1

Design combines high eccentric moment (1,400 in-lbs, 16 kg-m) and suspended weight with clamp of 5,510 lbs (2500 kg)
 Lighter weight for increased reach or use with smaller cranes
 Reduced height for better access in low-overhead situations
 Up to 48 tons (430 kN) line pull for extraction



ICE Model 14D Vibratory Pile Hammer		
Eccentric moment	1400 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)	1.1 in	28 mm
Standard line pull for extracting	48 tons	430 kN
Maximum line pull for extracting	48 tons	430 kN
Weight (no clamp or hoses)	3935 lbs	1785 kg
Non-vibrating Weight	1400 lbs	635 kg
Height without clamp (H)	62 in	1565 mm
Length (L)	65 in	1640 mm
Width (W)	18 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)	90 in	2285 mm
Weight with sheeting clamp & 1/2 hoses	5510 lbs	2500 kg
Height with beam & caisson clamps	91 in	2290 mm
Weight with beam, caisson clamps & 1/2 hoses	7370 lbs	3345 kg
ICE Model 230H Power Unit		
Engine	Caterpillar C7.1	
Emissions rating	EPA Flex	EU Flex
Power	225 HP	168 kW
Operating speed	2000 rpm	2000 rpm
Maximum motors pressure	4500 psi	310 bar
Motors flow (no load)	75 gpm	295 lpm
Clamp pressure	4500 psi	310 bar
Clamp flow	6 gpm	25 lpm
Weight (w/ full fluid & 1/2 fuel)	8500 lbs	3765 kg
Length	110 in	2800 mm
Width	58 in	1475 mm
Height	77 in	1960 mm
Hydraulic oil capacity	275 gal	1040 liters
Fuel Capacity	120 gal	460 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.

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

225 HP (168 kW) CAT C7.1 meets EPA/EU Flex engine emission regulations.

Optional 2,650 lbs (1200 kg) of bias weight increases 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 ensured by our open-loop hydraulic system. Highest quality, reliable piston pumps and motor.

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

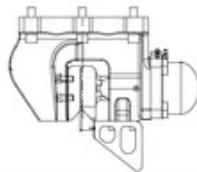
Environmentally friendly non-toxic, biodegradable hydraulic oil.

Adaptable for underwater, low headroom or box leads operation.

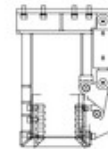


Clamps & Accessories

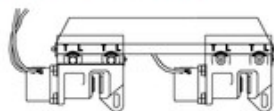
ICE Model 95 Sheeting Clamp		
Clamping Force	110 tons	985 kN
Weight	1150 lbs	522 kg



ICE Model 40 Wood Concrete and Pipe Clamp		
Clamping Force	40 tons	355 kN
Weight	3220 lbs	1460 kg



ICE 3' Beam and Two Model 105H Caisson Clamps		
Clamping Force	220 tons	1960 kN
Weight	3,320 lbs	1510 kg



ICE Model 25B Wood Concrete and Pipe Clamp		
Clamping Force	25 tons	222 kN
Weight	2000 lbs	900 kg

Other Model 14D Accessories

Bias weights
Vibrator stand

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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."