



Model 14

Hydraulic Vibratory Driver / Extractor

With a Model 230E Power Unit - TIER III

1,400 in-lb (16 kg-m) eccentric moment
213 HP (159 kW) CAT® C6.6 Tier III Engine
40 tons (356 kN) of line pull for easy extracting



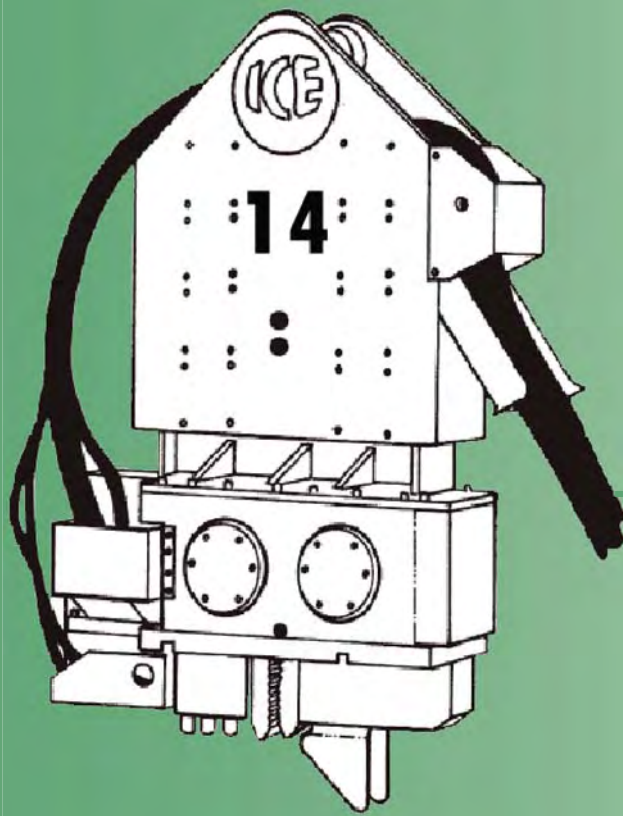
- Highest performing hammer in weight class
- Maximum eccentric moment without increasing hammer width
- Minimizes headroom requirements and reduces the suspended weight while improving pile amplitude and drivability with the heavy-duty two-piece clamp
- Proven to use the highest quality piston pumps and motors
- Maximizes uptime with oversized components
- Fuel efficiency features including remote pendant with speed control and emergency stop
- Great pile amplitude is created by precision cast high-density eccentric moment combined with a low-mass transmission
- Made in the USA by ICE, the industry's most technologically innovative manufacturer of foundation equipment since 1974
- Maximum efficiency and reliability ensured by our open-loop hydraulic system
- Variable hammer weight to easily tackle high friction and difficult soils with our optionally available bias weights which adds up to 2,050 lbs (930 kg) of driving weight
- Super-tough and unmatched 20-year forged gears
- Provides the industry's highest working load safety factor with 40-ton (356 kN) elastomeric suppressor
- Environmentally friendly, Chevron Clarity® non-toxic and biodegradable hydraulic oil



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Vibrator: Model 14

Eccentric Moment	1,400 in-lbs	16 kg-m
Frequency Range	1000-2000 vpm	16-33 Hz
Driving Force	83 tons	738 kN
Amplitude (free hanging)	1.14 in	29 mm
Max Line Pull for Extracting	40 tons	356 kN
Weight (no clamp or hoses)	4,350 lbs	1973 kg
Non-vibrating Weight	1,900 lbs	862 kg
Height (without clamp)	61 in	1549 mm
Length	50 in	1270 mm
Width	17 in	432 mm
Throat Width	12.8 in	324 mm
Hydraulic Hose Length	100 ft	30 m
Hydraulic Hose Weight	850 lbs	385 kg

Power Unit: Model 230E TIER III

Engine	Catepillar	C6.6
Power	213 HP	159 kW
Operating Speed	2000 rpm	2000 rpm
Max Drive Pressure	4500 psi	310 bar
Drive Flow	77 gpm	292 lpm
Clamp Pressure	4500 psi	310 bar
Clamp Flow	10.4 gpm	39 lpm
Weight (w/ full fluid & fuel)	9310 lbs	4222 kg
Length	110 in	2794 mm
Width	56 in	1422 mm
Height	79 in	2007 mm
Hydraulic Reservoir	275 gal	1041 liters
Fuel Capacity	122 gal	462 liters

Constant improvement and engineering progress make it necessary that we reserve the right to make specification changes without notice. Consult ICE to confirm latest specifications.

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Hydraulic Clamp	Model 14 Universal Clamp		Model 100B Caisson Clamps w/3' Beam		Model 100B Caisson Clamps w/5' Beam		Model 40 Timber, Concrete & Pipe Clamp	
Clamp Force	85 tons	756 kN	200 tons	1780 kN	200 tons	1780 kN	40 tons	356 kN
Weight	866 lbs	393 kg	2706 lbs	1227 kg	3062 lbs	1399 kg	3220 lbs	1460 kg
Width	12.75 in	324 mm	13.75 in	349 mm	13.75 in	349 mm	25 in	635 mm
Height	17.5 in	445 mm	26 in	660 mm	33 in	833 mm	64 in	1626 mm



INTERNATIONAL CONSTRUCTION EQUIPMENT®

**301 Warehouse Drive
Matthews, NC 28104 USA
704-821-8200**

**WWW.ICEUSA.COM
888-ICE-USA1
sales@iceusa.com**