



International Construction Equipment
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ICE® Model 22 Hydraulic Vibratory Driver/ Extractor with Model 335E Power Unit



Highest quality VOAC pumps and Rexroth motors in time-proven, reliable, open-loop hydraulic system ensure maximum efficiency, maximum reliability and simpler, quicker unit serviceability.

Patented design combines high eccentric moment (2,200 in-lbs, 25 kg-m) and suspended weight with clamp under 10,800 lbs (kg).

Up to 54 tons (980 kN) line pull for extraction.

Variable hammer weight with optional bias weights. Add up to 2400 lbs of driving weight for high friction or otherwise difficult soils.

Patented on-the-hammer breaking valve minimizes unwanted boom shake.

Super-tough forged gears provide an industry unmatched 20-year useful life.

54-ton elastomeric suppressor handles your toughest pulling jobs while providing the industry's highest working load safety factor.

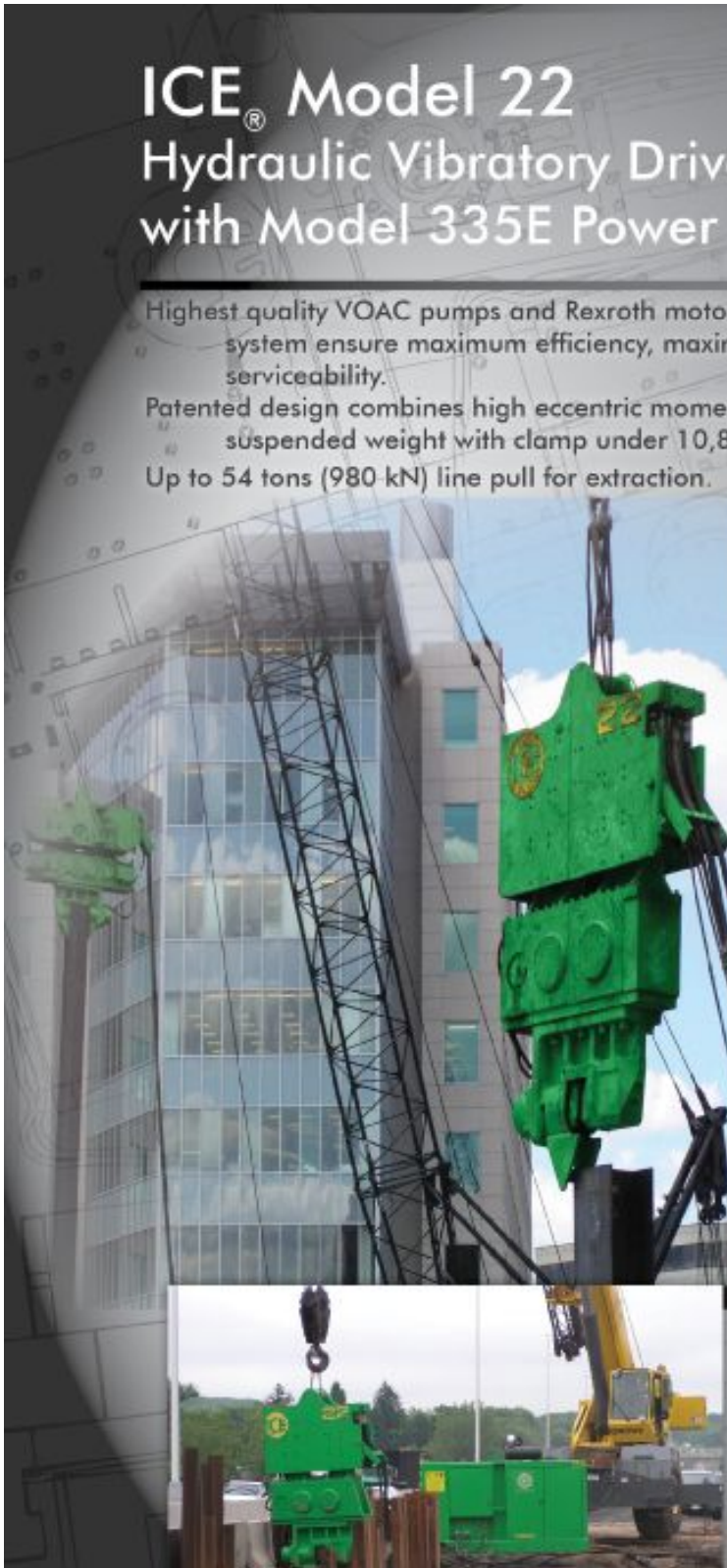
300 HP Caterpillar® C-7 Tier 3 electronic engine senses changes in operating conditions and instantly compensates by adjusting speed, injection timing and air/fuel ratio. Electronic monitoring warns of engine trouble, pinpoints engine faults for quick diagnosis and repair, and logs a complete operating history.

Clamps include internal holding valves for safety and extra-heavy wall cylinders machined from solid blocks to eliminate cylinder guards.

Optional digital radio remote provides total operator freedom of movement.

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

Designed and manufactured in the USA by ICE®,



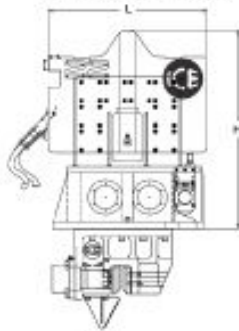
world leader in cost-effective foundation equipment since 1974.

INTERNATIONAL CONSTRUCTION EQUIPMENT, INC.

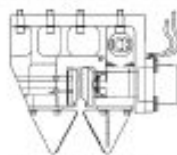
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Dimensions

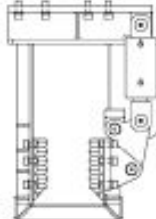


Clamps & Accessories



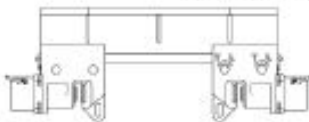
**Model 126C
Sheeting Clamp**

Clamping force
125 tons, 1112 kN
Weight
2185 lbs, 991 kg



**Model 40
Wood, Concrete &
Pipe Clamp**

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



**5' Caisson Beam with
Model 100BH Caisson Clamps**

Clamping force
220 tons, 1975 kN
Weight
2,900 lbs, 1356 kg

Other Model 22 Accessories

6' Caisson beam
10' Clamp extension
90° Turning plate
Bias weights
Vibrator stand
Wireless remote

Model 22 Vibrator Specifications

Eccentric moment	2,200 in-lbs	25 kg-m
Maximum frequency	1650 vpm	
Driving force	93 tons	825 kN
Centrifugal force	85 tons	755 kN
Amplitude (free w/o clamp)	.9 in	24 mm
Standard line pull for extracting	54 tons	480 kN
Maximum line pull for extracting	54 tons	480 kN
Weight (no clamp or hoses)	7,900 lbs	3585 kg
Non-vibrating weight	2,960 lbs	1345 kg
Height without clamp (H)	80 in	2035 mm
Length (L)	77 in	1945 mm
Width (W)	21 in	525 mm
Throat width (TW)	14.25 in	362 mm
Hydraulic hose length	150 ft	46 m
Hydraulic hose weight	1,425 lbs	646 kg
Height with sheeting clamp* (HH)	118 in	2995 mm
Weight with sheeting clamp & 1/2 hoses*	10,810 lbs	4905 kg
Height with beam & caisson clamps*	106 in	2685 mm
Weight with beam & caisson clamps*	11,550 lbs	5240 kg

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

Model 335E Power Unit Specifications

Engine	Caterpillar C9	
Power	335 HP	250 kW
Operating speed	2,200 rpm	2200 rpm
Max. motors pressure	5,500 psi	380 bar
Motors flow (no load)	91 gpm	345 lpm
Clamp pressure	4,800 psi	330 bar
Clamp flow	6 gpm	21 lpm
Weight (w/ full fluid & 1/2 fuel)	10,460 lbs	4745 kg
Length	127 in	3225 mm
Width	64 in	1625 mm
Height	69 in	1755 mm
Hydraulic reservoir	275 gal	1040 liters
Fuel capacity	118 gal	445 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.

"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."