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**ICE**

# Model 44-50

## Hydraulic Vibratory Driver/Extractor

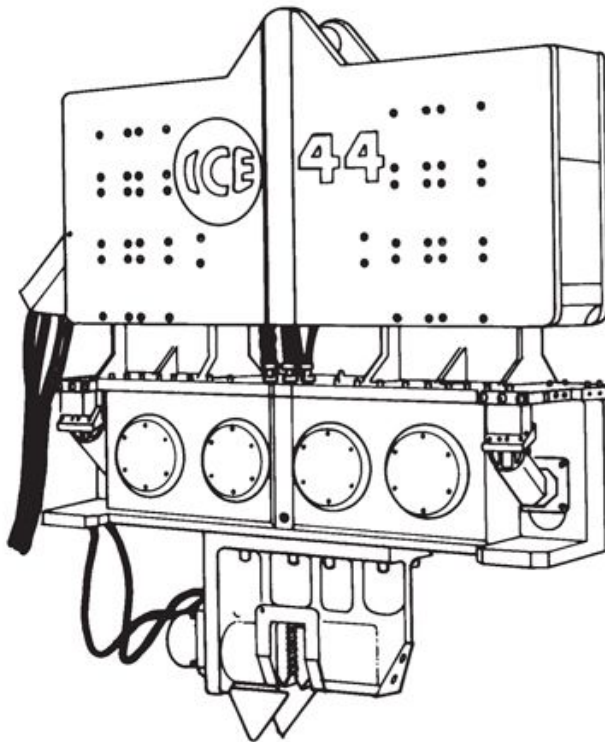


- **4,400 in-lbs of eccentric moment.**
- **575 HP Caterpillar® Tier 2 engine.**
- **Suspended weight of 15,065 lbs.**
- **80 tons of line pull for extracting.**
- Precision cast high-density eccentric moment combined with a low-mass transmission provides the maximum possible pile amplitude.
- Variable hammer weight via optional segmental bias weights. Add one set for an additional 2750 lbs of driving weight or two sets for a full 5500 lbs for high friction or otherwise difficult soils.
- Patented on-the-hammer braking valve minimizes unwanted boom shake.
- Super-tough forged gears provide an industry unmatched 20-year useful life.
- 80-ton maximum elastomeric suppressor handles your toughest pulling jobs while providing the industry's highest working load safety factor.
- New Caterpillar® C15 Tier 2 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.
- Oversized components (designed for 700 HP) ensure maximum uptime.
- State of the art Chevron Clarity® non-toxic and biodegradable hydraulic oil.
- Clamps include internal holding valves for safety and extra-heavy wall cylinders machined from solid blocks to eliminate cylinder guards.
- Highest quality Commercial Intertech pumps and Rexroth piston motors in time proven reliable open-loop hydraulic system ensure maximum efficiency, maximum reliability and simpler, quicker unit serviceability.
- Made in the USA by the industry's most technologically innovative manufacturer of foundation



# Model 44-50

## Hydraulic Vibratory Driver/Extractor



Vibrator:	Model 44-50	
Eccentric moment	4400 in-lbs	51 kg-m
Max frequency	1600 vpm	27 Hz
Centrifugal force	160 tons	1423 kN
Amplitude (free hanging)	1.17 in	30 mm
Max line pull for extracting	80 tons	712 kN
Weight (no clamp or hoses)	12100 lbs	5487 kg
Non-vibrating weight	4550 lbs	2063 kg
Height (without clamp)	84 in	2134 mm
Length	97 in	2464 mm
Width	21 in	523 mm
Throat width	14.3 in	362 mm
Hydraulic hose length	150 ft	46 m
Hydraulic hose weight	1554 lbs	705 kg

Power Unit:	Model 575E	
Engine	Caterpillar C15	
Power	575 HP	429 kW
Operating speed	2100 rpm	2100 rpm
Max drive pressure	5500 psi	379 bar
Drive flow	164 gpm	621 lpm
Clamp pressure	4800 psi	331 bar
Clamp flow	6.5 gpm	25 lpm
Weight (w/ full fluid & fuel)	16250 lbs	7369 kg
Length	154 in	3912 mm
Width	60 in	1524 mm
Height	96 in	2438 mm
Hydraulic reservoir	430 gal	1628 liters
Fuel capacity	150 gal	568 liters

44-50-41228

Hydraulic Clamps:	Model 126C Universal Clamp	Model 127B Z-Pile Clamp	Model 80B Casing Clamps w/ 6'6" Beam	Model 80B Casing Clamps w/ 11' Beam	Model 165 Concrete Clamp
Clamp force	125 tons (1112 kN)	125 tons (1112 kN)	160 tons (1423 kN)	160 tons (1423 kN)	175 tons (1557 kN)
Weight	2185 lbs (991 kg)	3190 lbs (1447 kg)	2998 lbs (1360 kg)	6416 lbs (2910 kg)	11000 lbs (4989 kg)
Width	12 in (305 mm)	18 in (457 mm)	13.75 in (349 mm)	16.875 in (429 mm)	34 in (864 mm)
Height	38 in (959 mm)	41 in (1048 mm)	26 in (654 mm)	35 in (895 mm)	73.5 in (1867 mm)



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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."