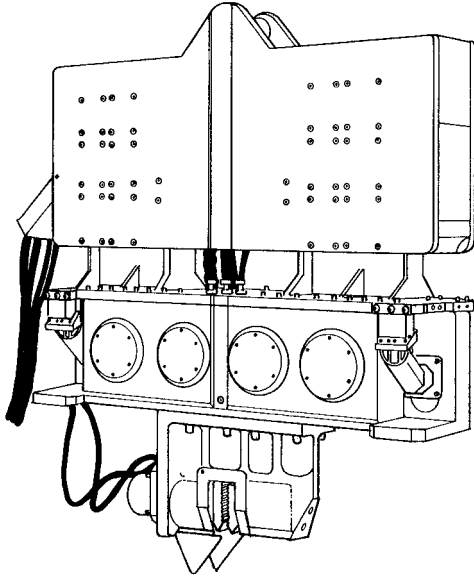


# The J&M Model 44-50 Vibratory Driver / Extractor

## Engineered for versatility to match virtually any project requirements



- ◆ 4,400 in-lbs of precision cast Hi-Den® eccentric moment provides the maximum amplitude to drive the heaviest piles even in highly elastic soils.
- ◆ 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.
- ◆ Patented on-the-hammer braking valve minimizes unwanted boom shake.
- ◆ Super-tough forged gears provide an unmatched 12-year useful life.
- ◆ 80-ton elastomeric suppressor handles your toughest pulling jobs while providing the industry's highest working load safety factor.
- ◆ Supplied with environment friendly non-toxic biodegradable hydraulic oil.
- ◆ Oversized components (designed for 650 HP) ensure maximum uptime.
- ◆ 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 motors in time proven reliable open-loop hydraulic system ensure maximum efficiency, maximum reliability and simpler, quicker unit serviceability.
- ◆ Optional digital radio remote provides total operator freedom of movement.
- ◆ Made in the USA by the industry's most technologically innovative manufacturer of hydraulic vibratory pile drivers / extractors since 1974.
- ◆ Quickly adaptable for underwater, low headroom or box lead operation.

VIBRATOR		POWER UNIT		
Eccentric moment	4,400 in-lbs (5070 kg-cm)	Engine	Caterpillar 3408TA	
Frequency	1600 vpm (1600 vpm)	Power	535 HP (399 kW)	
Centrifugal force	160 tons (1425 kN)	Operating speed	2100 rpm (2100 rpm)	
Amplitude (free hanging)	1.17 in (30 mm)	Drive pressure	5,000 psi (345 bar)	
Max line pull for extracting (variable)	80 ton (710 kN)	Drive flow	155 gpm (590 lpm)	
Weight (no clamps or hoses)	11,500 lbs (5215 kg)	Clamp pressure	4,800 psi (330 bar)	
Non-vibrating weight	4,000 lbs (1815 kg)	Clamp flow	6.5 gpm (25 lpm)	
Height (without clamp)	83 in (2110 mm)	Weight (w/ full fluid & fuel)	15,400 lbs (6985 kg)	
Length	97 in (2465 mm)	Length	154 in (3910 mm)	
Width	22 in (560 mm)	Width	60 in (1525 mm)	
Throat width	14.25 in (360 mm)	Height	96 in (2435 mm)	
Hydraulic hose length	150 ft (45 m)	Hydraulic reservoir	385 gal (1460 l)	
Hydraulic hose weight	1,700 lbs (770 kg)	Fuel capacity	150 gal (570 l)	

HYDRAULIC CLAMPS:	Standard Universal Clamp	Single Sheet Z-Pile Clamp	Casing Clamps w/ 7' Beam	Concrete & Small Pipe Timber Clamp
Clamping force	125 tons (1112 kN)	125 tons (1112 kN)	160 tons (1423 kN)	53 ton (470 kN)
Weight	2,150 lbs (975 kg)	3,190 lbs (1447 kg)	3,260 lbs (1479 kg)	4,970 lb (2255 kg)
Length	45 ¾ in (1160 mm)	48 ½ in (1230 mm)	110 in (2795 mm)	43 in (1095 mm)
Width	12 in (305 mm)	18 in (460 mm)	13 ¾ (350 mm)	27 in (685 mm)
Height	37 ¾ in (960 mm)	41 ¼ in (1050 mm)	26 in (660 mm)	79 in (2005 mm)



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