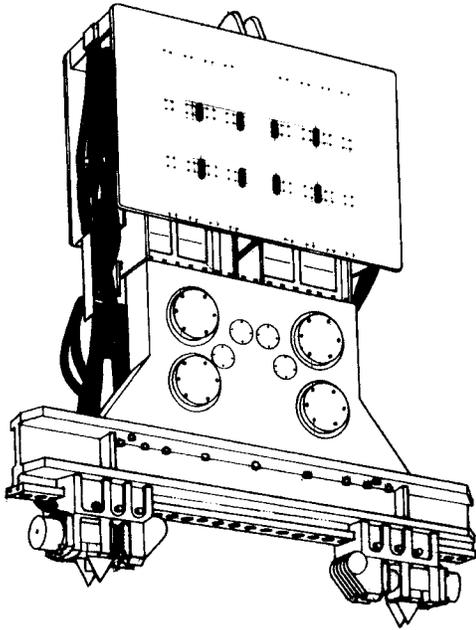


The **J&M** Model 1412 Vibratory Driver / Extractor



Engineered for the demanding requirements of offshore applications.

- ◆ 10,000 in-lbs of precision cast Hi-Den[®] eccentric moment provides the maximum amplitude to drive the heaviest casings even in elastic soils.
- ◆ 750HP Caterpillar 3412TA diesel engine provides the power to drive the longest casings even in high friction or otherwise difficult soils.
- ◆ Super-tough forged gears provide an unmatched 12-year useful life.
- ◆ 150-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.
- ◆ Remote electric pendant control includes engine speed control for fuel efficiency and emergency engine stop for personnel safety. Duplicate full-function controls on panel eliminate downtime from accidental damage.
- ◆ Clamps include internal holding valves for safety and extra-heavy wall cylinders machined from solid blocks to eliminate cylinder guards.
- ◆ Highest quality Volvo (VOAC) 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	10,000 in-lbs (11520 kg-cm)	Engine	Caterpillar 3412TA
Frequency	1,300 vpm (1300 vpm)	Power	750HP (596 kW)
Centrifugal force	240 tons (2135 kN)	Operating speed	1,900 rpm (1900 rpm)
Amplitude (free hanging)	1.30 in (33 mm)	Drive pressure	5,500 psi (380 bar)
Max line pull for extracting	150 tons (1335 kN)	Drive flow	237 gpm (897 lpm)
Weight (no clamps or hoses)	25,800 lbs (11700 kg)	Clamp pressure	5,500 psi (380 bar)
Non-vibrating weight	10,400 lbs (4720 kg)	Clamp flow	6.5 gpm (25 lpm)
Height (without clamp)	150 in (3810 mm)	Weight (w/ full fluid & fuel)	22,400 lbs (10,160 kg)
Length	95 in (2415 mm)	Length	186 in (4725 mm)
Width	41 in (1040 mm)	Width	66 in (1675 mm)
Throat width	32 in (815 mm)	Height	101 in (2565 mm)
Hydraulic hose length	150 ft (45 m)	Hydraulic reservoir	550 gal (2080 l)
Hydraulic hose weight	2,250 lbs (1020 kg)	Fuel capacity	240 gal (910 l)

HYDRAULIC CLAMPS:	Standard Universal Clamp	Concrete Clamp	Casing Clamps w/ 7' Beam	Casing Clamps w/ 10' Beam
Clamping force	200 tons (1780 kN)	175 tons (1560 kN)	250 tons (2225 kN)	250 tons (2225 kN)
Weight	2,840 lbs (1290 kg)	11,000 lbs (4990 kg)	4,860 lbs (2205 kg)	10,000 lb (4535 kg)
Length	57 ¼ in (1455 mm)	77 in (1955 mm)	110 in (2795 mm)	150 in (3810 mm)
Width	15 in (381 mm)	34 in (865 mm)	13 ¾ (350 mm)	17 in (435 mm)
Height	38 ¼ in (970 mm)	73 ½ in (1870 mm)	33 ½ in (850 mm)	53 in (1345 mm)



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