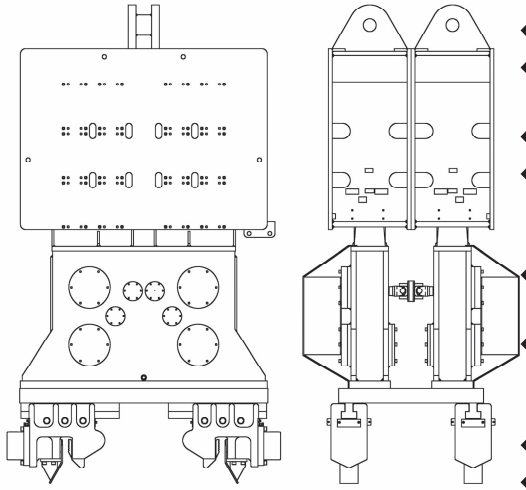


# The J&M Model 1412T Vibratory Driver/Extractor

Engineered for the demanding requirements of offshore applications.



- ◆ 20,000 in-lbs of eccentric moment provides the maximum amplitude to drive the heaviest casings even in elastic soils.
- ◆ Two 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.
- ◆ 300-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.
- ◆ Four clamps include internal holding valves for safety and extra-heavy wall cylinders machined from solid blocks to eliminate cylinder guards.
- ◆ Two hydraulic power units, with exclusive synchronizing manifold, drive two mechanically connected vibrators. Units may be rapidly reconfigured for two separate Model 1412 vibrators for maximum customer flexibility and value.
- ◆ 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 or box lead operation.

VIBRATOR		POWER UNIT	
Eccentric moment	20,000 in-lbs ( 23040 kg-cm)	Engine	Two Caterpillar 3412TA
Frequency	1,300 vpm (1300 vpm)	Power	1500 HP (1190 kW)
Centrifugal force	480 tons (4270 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	300 tons (2670 kN)	Drive flow	474 gpm (1794 lpm)
Weight (no clamps or hoses)	60,000 lbs (27200 kg)	Clamp pressure	5,500 psi (380 bar)
Non-vibrating weight	20,800 lbs (9430 kg)	Clamp flow	13 gpm (49 lpm)
Height (without clamp)	148 in (3760mm)	Weight (w/ full fluid & fuel)	45,000 lbs (20400 kg)
Length	96 in (2440 mm)	Length	186 in (4725 mm)
Width	84 in (2130 mm)	Width	132 in (3350 mm)
Throat width	64 in (1625 mm)	Height	101 in (2565 mm)
Hydraulic hose length	150 ft (46 m)	Hydraulic reservoir	1,100 gal (4160 l)
Hydraulic hose weight	4,500 lbs (2040 kg)	Fuel capacity	480 gal (1820 l)

HYDRAULIC CLAMPS:	Casing Clamps w/ 6' Beam	Casing Clamps w/ 13' Beam
Clamping force	500 tons (4450 kN)	500 tons (4450 kN)
Weight	18,000 lbs (8160 kg)	35,400 lb (16060 kg)
Length	96 in (2400 mm)	182 in (4620 mm)
Width	56 (1420 mm)	93 in (2360 mm)
Height	37 in (940 mm)	58 in (1470 mm)



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