

"Putting Good Ideas To Work"



Model 250VM Vibratory Pile Driver/Extractor

Patented two stage suppressor has twice the rating of any other vibro.

Removable suppressor housings allow this machine to shrink in height and weight to adapt to any job site conditions.

Rubber elastomers are specially made to prevent shock to the crane boom. APE's elastomers are the largest in the industry.

Visual safety pin allows crane operator and crew to see extraction force.

Clamp cylinder lines pass through gearbox to eliminate exposure to impact.

Clamp cylinder is machined from a solid block of steel to eliminate unwanted o-rings and seals.

Jaws are cast from ASTM 148 and heat treated for long life.

Built in cylinder check valves for safety.

Patented one piece gear/eccentric, oversized bearings and shafts for long life- backed by the longest warranty in the industry.

Every APE vibro comes with pig tail hoses for low cost maintenance. Special coated hoses made to withstand the demands of pile driving.

Special couplers increase G-force rating of motor.

High quality Rexroth motors are recessed.

Rifle bored top plate eliminates all hoses to the hydraulic motors.

Built-in hydraulic check valve automatically flushes system of any dirt or foreign matter.

**Worldwide Patents
Protect Your Investment**

- *Rifle-bored top plate delivers oil to motors without using hoses*
- *Patented one piece helical gear/eccentric eliminates gearbox failures*
- *80% less hoses for easier and less expensive maintenance*
- *Giant double roller spherical bearings for super long life*
- *Center safety pin shows the line load on pile and crane*
- *Over double the line pull of any hammer in its class*

APE Model 250VM Vibratory Driver/Extractor with Model 700 Power Unit with 700 HP



250VM with a sheet clamp driving sheets.

SPECIFICATIONS:

Model 250VM

Eccentric moment	5,184 kg-cm (4,500 in-lbs)
Frequency (variable)	1,750 vpm (1,950 Optional)
Driving force @ 1,750 vpm	178 metric tons (196 US tons)
Driving force @ 1,950 vpm	220 metric tons (243 US tons)
Amplitude without attachment	0-32 mm (1.25 in)
Maximum line pull	1,335 kN (150 USt)
Suspended Weight (w/ sheet clamp & 23m(75') hose)	7,936 kg (17,500 lbs)
Dynamic weight (w/sheet clamp)	4,365 kg (9,625 lbs)
Length	318 cm (125 in)
Width throat	35 cm (14 in)
Width at widest point	43 cm (17 in)
Height	254 cm (100 in)
Hydraulic hose length (standard)	46 meters (150 ft)
50' of Hydraulic hose weight with oil	907 kg (2,000 lbs)



APE Wood/Concrete Clamp.



90 degree turn plate.



8' attachment extension.



APE caisson beam & APE Model 200 caisson clamps.



Caisson to attachment adapter.

SPECIFICATIONS:

POWER UNIT Model 700VM

Engine	Caterpillar C18 ACERT Tier III Certified
Power	522 kW (700 hp)
Operating speed	800 to 2,100 rpm
Max. fuel consumption per hr @ 2100 rpm	194 lph/51.3 gph
Max. fuel consumption per hr @ 1500 rpm	176 lph/46.7 gph
Drive pressure (max)	344 bar (5,000 psi)
Drive flow (variable)	0-741 lpm (0-196 gpm)
Clamp pressure (max)	310 bar (5,000 psi*)
Clamp flow	41 lpm (10 gpm)
Weight	9,061 kg (19,975 lbs)
Length	401 cm (158 in)
Width	196 cm (77 in)
Height	259 cm (102 in)
Hydraulic reservoir	2,498 liters (660 gal)
Fuel tank	662 liters (175 gal)



APE Model 700VM Power Unit



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