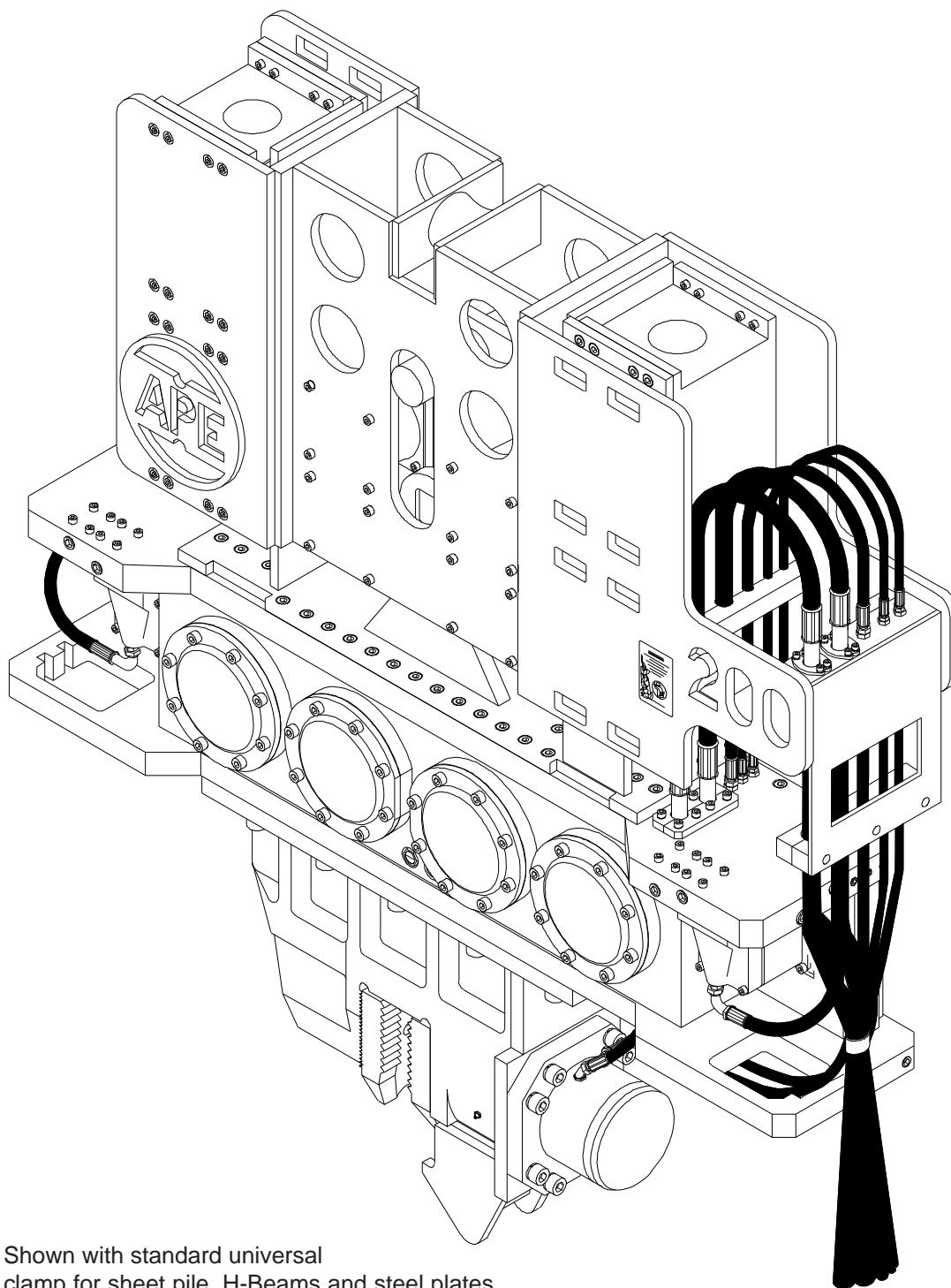




# MODEL 200T VIBRO

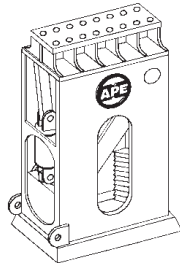
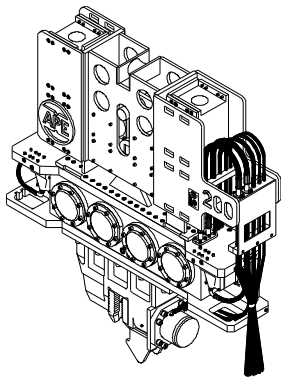
Driver/Extractor



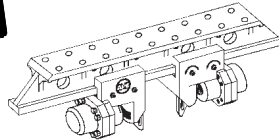
Shown with standard universal clamp for sheet pile, H-Beams and steel plates. APE manufactures clamp attachments for all types of piles including wood piles and pipe piles. See additional literature on clamp attachments.

- ***Rifle-bored top plate delivers oil to motors without using hoses***
- ***Patented one piece helical gear/eccentric eliminates gearbox failures caused by broken pins, keys, bolts or splines found in all other vibro gearboxes***
- ***Giant double roller spherical bearings for super long life***
- ***Center safety pin shows the line load on pile and crane***

# APE Model 200T Vibratory Driver/Extractor with Model 700 Power Unit with 700 HP (522 kW)



APE Wood Clamp



APE caisson clamps with beam for driving and extracting pipe piles

Shows standard universal clamp attachment. See "optional attachments" literature for more information on other types of clamp attachments.

## SPECIFICATIONS:

|                                                                   |                                 |
|-------------------------------------------------------------------|---------------------------------|
| <b>Eccentric moment</b>                                           | <b>6003 kg-cm (5200 in-lbs)</b> |
| <b>Frequency (variable)</b>                                       | <b>0-1650 vpm</b>               |
| <b>Centrifugal force</b>                                          | <b>1788 kN (201 US tons)</b>    |
| <b>Amplitude</b>                                                  | <b>32 mm (1.28")</b>            |
| <b>Maximum line pull</b>                                          | <b>1335 kN (150 US tons)</b>    |
| <b>Suspended Weight ( with universal clamp)</b>                   | <b>6304 kg (13,900 lbs)</b>     |
| <b>Length</b>                                                     | <b>256 cm (101")</b>            |
| <b>Width throat</b>                                               | <b>35 cm (14")</b>              |
| <b>Width at widest point</b>                                      | <b>43 cm (17")</b>              |
| <b>Height (with 223 kN (30 ton) short suppressor &amp; clamp)</b> | <b>153 cm (60")</b>             |
| <b>Height (with 1335 kN (150 ton) suppressor &amp; 200 clamp)</b> | <b>238 cm (94")</b>             |
| <b>Hydraulic hose length (standard)</b>                           | <b>46 meters (150 ft)</b>       |
| <b>Hydraulic hose weight</b>                                      | <b>680 kg (1500 lbs)</b>        |

## VIBRATOR Model 200T

Suspended weight drops when using smaller mini suppressor to 9,000 lbs. (4082 kg).  
Suspended weight increases when using bias weights to 17,000 lbs. (7710 kg).

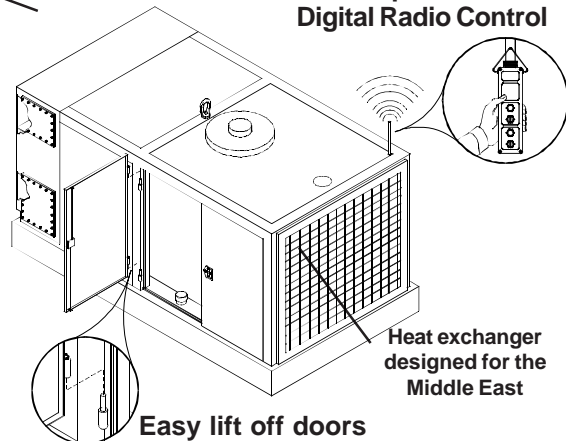
## SPECIFICATIONS:

### POWER UNIT Model 700

|                                  |                                     |
|----------------------------------|-------------------------------------|
| <b>Engine CAT</b>                | <b>C18 ACERT Tier III Certified</b> |
| <b>Power (Caterpillar)</b>       | <b>522 kW (700 hp)</b>              |
| <b>Operating speed (No Load)</b> | <b>800 to 2,100 rpm</b>             |
| <b>Drive pressure (max)</b>      | <b>344 bar (5,000 psi)</b>          |
| <b>Drive flow (variable)</b>     | <b>0-741 lpm (0-196 gpm)</b>        |
| <b>Clamp pressure (max)</b>      | <b>310 bar (5,000 psi*)</b>         |
| <b>Clamp flow</b>                | <b>41 lpm (10 gpm)</b>              |
| <b>Weight</b>                    | <b>9,061 kg (19,975 lbs)</b>        |
| <b>Length</b>                    | <b>401 cm (158 in)</b>              |
| <b>Width</b>                     | <b>196 cm (77 in)</b>               |
| <b>Height</b>                    | <b>259 cm (102 in)</b>              |
| <b>Hydraulic reservoir</b>       | <b>2,498 liters (660 gal)</b>       |
| <b>Fuel tank</b>                 | <b>662 liters (175 gal)</b>         |

## Spare Hyd. Reservoir

## Optional Digital Radio Control



\*All power unit components are designed to operate at 350 bar. The 200 has extremely large hydraulic motors for excellent performance at 282 bar. Engineers using the standard formula for horsepower requirements (psi x flow x .1714) should consult with APE engineers for a more complete understanding of how to properly calculate vibro performance. 200T also operates on APE Model 800 power unit with 801 horsepower (597 kW).

## Advanced, profit generating features that are years ahead of the competition:

- \* **Patented multistage suppressor design reduces vibro weight and height while increasing line pull by 100%.**
- \* **Vibro will not shake the crane line or boom even during vibro "starting" and "stopping."**
- \* **Center safety pin shows pile crew and crane operator how much line pull is on pile and crane.**
- \* **Only vibro on market with detachable suppressor housings to fit any height and weight requirements.**
- \* **One piece helical gear/eccentric eliminates keyways, pins, splines, and bolts inside the gearbox.**
- \* **Heavy metal enhanced eccentric design reduces internal parts by up to 75% while increasing dynamic force.**
- \* **Giant spherical bearings allow for batter operations without damage and reduce heat for extremely long life.**
- \* **Computer designed gearbox is perfectly balanced with lowest center of gravity on the market.**
- \* **Rifle bored top plate eliminates all hoses on suppressor and to hydraulic motors. Mechanic's dream come true.**
- \* **Heavy duty clamp cylinder is machined from one piece of solid steel to eliminate o-rings and bolt-on guards.**
- \* **Power unit comes standard with spare hydraulic tank, tool kit, dual controls on pendant and control panel.**
- \* **Very simple open loop hydraulic system with highest quality valves with lighted indicators.**
- \* **Variable flow in both directions for use on drills, winches, hydraulic hammers, and other attachments.**
- \* **Oversized radiator and hydraulic oil cooler with proven performance in the heat of Saudi Arabia.**



**Corporate Offices:**  
7032 South 196th  
Kent, Washington 98032 USA  
(800) 248-8498 & (253) 872-0141 Fax (253) 872-8710

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[www.apevibro.com](http://www.apevibro.com)  
e-mail: [ape@apevibro.com](mailto:ape@apevibro.com)

Due to constant improvements we must advise you to call APE for the latest available literature and specifications. 7/8/96