

Putting Good Ideas To Work.

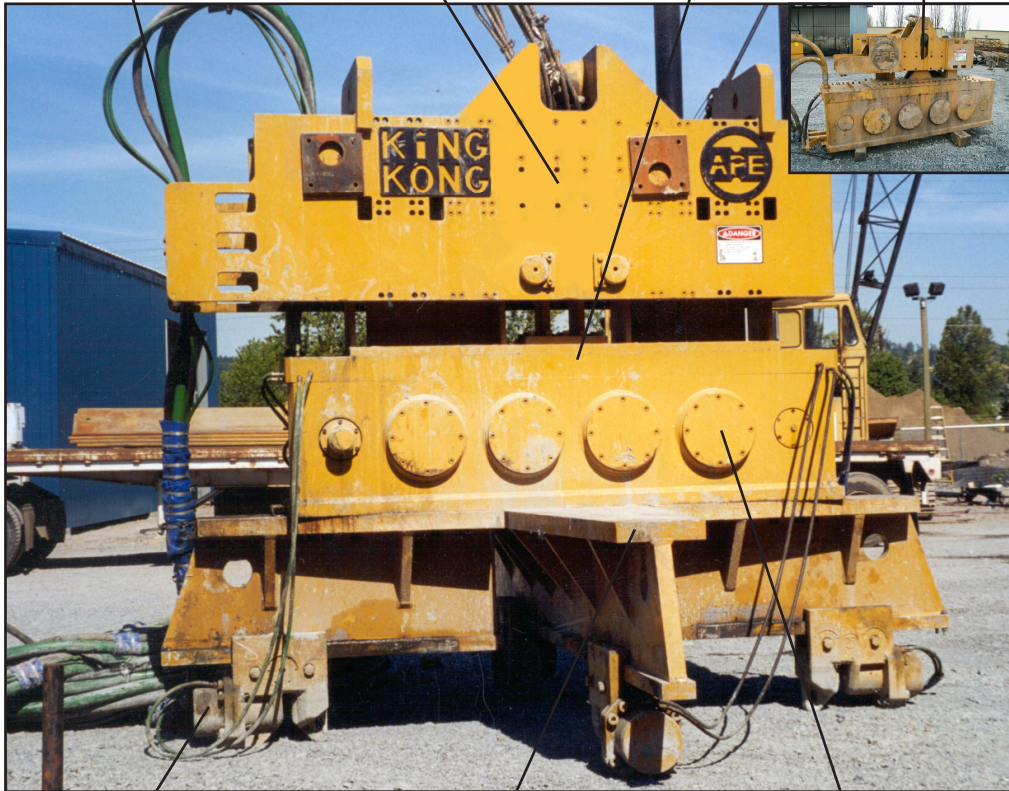


Anti-wear high pressure hose increases hose bundle life.

Patented Two stage suppressor with 250 tons of line pull capacity.

Line bored top plate eliminates 80% of the hoses and allows for low headroom applications.

Suppressor for low headroom work.



Built in clamp cylinder check valves for increased safety.

APE Quad Clamp System reduces deflection and increases drivability of large diameter caissons.

Patented enhanced helical cut eccentrics with heavy metal technology.

MODEL 400 V VIBRATORY

Driver/Extractor

- *30 mm (over one inch) of amplitude with 50% less internal parts.*
- *Patented one piece helical gear/eccentric eliminates gearbox failures.*
- *Heavy metal technology for increased energy.*
- *Patented two stage suppressor with 250 tons of line pull capacity.*
- *Giant double roller spherical bearings for super long life.*
- *Fully o-ringed gearbox for underwater work to 100m (328 ft).*
- *Removable suppressor for low headroom applications.*

Model 400 Vibratory Driver/Extractor with Model 1050 Power Unit



Model 400 with dual caisson clamps.

SPECIFICATIONS:

Eccentric moment	15,000 kgm (13,000 in-lb)
Frequency (variable)	400-1400 vpm
Centrifugal force	3,203 kN (360 UST)
Amplitude with dual clamps (dynamic wt: 16,000 lbs.)	40 mm (1.57 in)
Amplitude with Quad Clamps (dynamic wt: 27,000 lbs.)	32mm (1.25 in)
Maximum line pull	2,224 kN (250 US tons)
Suspended Weight (with 11' beam and clamps)	19,047 kg (42,000 lb)
Suspended Weight (w/15' Quad Clamp System)	19,501 kg (56,000 lb)
Suspended Weight (w/sheet clamp & hoses)	17,460 kg (38,500 lb)
Length	305 cm (120 in)
Width throat	66 cm (26 in)
Width at widest point	66 cm (26 in)
Height with 8' beam and clamps	244 cm (96 in)
Height with Quad Clamp System	280 cm (110 in)
Hydraulic Hose Length (standard)	45 m (150 ft)

Model 400 Driver/Extractor

SPECIFICATIONS:

Model 1050 Power Unit

Engine	Caterpillar E-series C27 ACERT
Power	745 kW (1050 hp)
Operating speed	2100 rpm
Max. fuel consumption per hr @ 2100 rpm	194l lph/51.3 gph
Max. fuel consumption per hr @ 1500 rpm	176 lph/46.7 gph
Fuel tank capacity	684 ltr (180 gal)
Hydraulic oil capacity	2,888 ltr (760 gal)
Max pressure	340 bar (5,000 psi)
Drive flow	1,219 lpm (321 gpm)
Clamp pressure	326 bar (4,800 psi)
Clamp flow	27 lpm (6.5 gpm)
Weight	12,247 kg (27,000 lbs)
Length	442 cm (169 in)
Width	208 cm (82 in)
Height	244 cm (96 in)

Heat exchanger designed for use in -40c to +51c (-40f to 133f) temperatures.

Back up hydraulic reservoir with 570L (150 gal.) of emergency oil.



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

- * Uses heavy metal technology so efficient that less HP is required to do more work.
- * Helical motor gear design delivers more torque to eccentrics than direct drive units.
- * Heavy metal enhanced eccentric design reduces internal parts while increasing dynamic force.
- * Computer designed gearbox is perfectly balanced with lowest center of gravity on the market.
- * Line bored top plate reduces the number of hoses and increases the servicability of the suppressor.
- * Heavy duty clamp cylinders are machined from one piece eliminates bolt-on guards.
- * Power unit equipped with with spare hydraulic tank, tool kit, dual controls on pendant and control panel.
- * Very simple open loop hydraulic system with high quality valves that are simple to troubleshoot..
- * Heat exchanger designed for temperatures from -40c to +51c (-40f to +133f).



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Specifications are subject to change without notice. 11/07