**Putting Good Ideas To Work.**

- *30 mm (over one inch) of amplitude with 50% less internal parts.*
- *Patented one piece helical gear/eccentric eliminates gearbox failures.*
- *Heavy metal tachnology 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

SPECIFICATIONS: Model 400 Driver/Extractor

- 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.): 32 mm (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)
- 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)

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: 1941 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)

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 servicableity 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 use in -40c to +51c (-40f to +133f) temperatures.

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Specifications are subject to change without notice. 11/07