

# RIGS & SUPPLIES

## New heavy-duty drill rig from HD

Hong Kong based **HD Engineering** has recently introduced a new hydraulic crawler drill rig, purpose-designed for piling applications and built to drill in the toughest conditions, and under the tightest space constraints. The new rig, designated the HD205P will operate mainly with large diameter down-the-hole hammers, as well as air and mud rotary drilling and reverse circulation. It is powered by a Deutz BF6M1013 watercooled diesel engine rated at 126 kW (168.8 hp) at 2,300 rev/min.

The versatile new rig has a heavy duty upper structure and upgraded expandable undercarriage system which enables it to carry out large jobs in the smallest working space. It has a number of features making it ideal for drilling or pre-drilling of holes for piles.

Two high pressure axial piston pumps are driven by the engine through an intermediate reduction gearbox. The hydraulics are automatically power controlled with load sensing. All controls and gauges for drilling and tramping operations are mounted on a swing arm control console with an operator's seat. It can be hydraulically positioned for drilling and tramping.

The mast with a stroke length of 9.8 m is significantly heavier and longer than previous models. A built-in shock absorption system makes it suitable for large diameter DTH hammers, and maximum pullback of 30 t is possible. The rig can trip out 12 m of heavy duty drillpipe with ease using a 10 t winch mounted behind the mast.

The drill includes variable speed rotator heads type HD6000R with a maximum torque of 6,000 kg m at 230 bar for rotary or DTH drilling up to 813 mm (32-in) or

larger hole diameters. The drill head can be side shifted hydraulically. Other options include air line lubricators, and electronic remote control of all drilling functions from a shoulder harness console.

Samuel Kwok, HD Engineering Ltd, No. 21 Yip Wo Street, On Lok Tsuen, Fanling, New Territories, Hong Kong. Tel: (+8522) 675 4789. Fax: 677 4536.

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*New heavy-duty drilling rig from HD Engineering. The powerful HD205P all-hydraulic crawler rig is designed for piling applications.*

