

Hydraulic Piling Rig



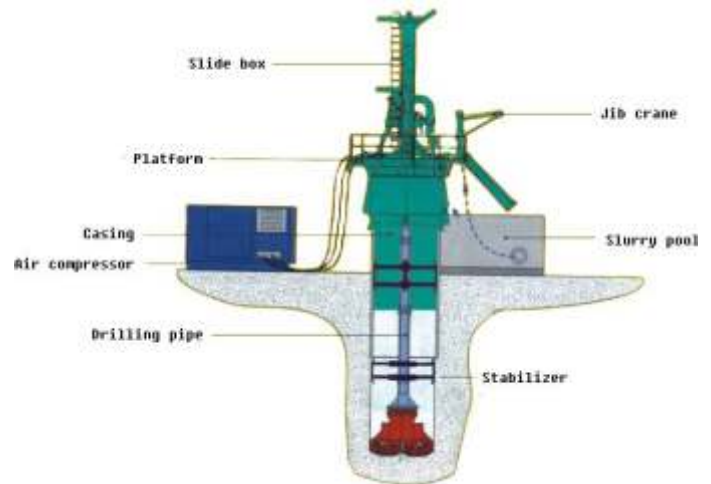
1. Adopt the complete OEM Caterpillar chassis.
2. Takes international top CAT Diesel engine with electric injection, turbocharged and air inter-cooling system, which is high reliability, fuel economy and power reserves.
3. All of the main hydraulic components(pump, valve, motor, connector) are from well-known international brands such as Bosch-exroth, Brevini, which ensure the stability, reliability, high-efficiency and energy-saving of the entire system.
4. Self-erecting mast, high level anti-shock technology and high-strength material steel attribute to that max torque can be applied all over the mast length.
5. Crowd system by means of long stroke hydraulic cylinder or crowd winch separately, are optional for your exact request.

| Model | BR160D | BR180D | BR200D | BR230D | BR250D | BR260D | BR280D | BR300D | BR360D |
|--|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|
| Toque(KN.M) | 160 | 180 | 200 | 248 | 265 | 265 | 280 | 320 | 360 |
| Max.Pile Diameter(mm) | 1500 | 1600 | 1800 | 2200 | 2000 | 2500 | 2500 | 2500 | 250 |
| Max.Drilling Depth(M) | 55 | 60 | 60 | 67 | 70 | 80 | 85 | 90 | 96 |
| Chassiss | CAT 323D | CAT 329D | CAT 329D | CAT 336D | CAT 336DL | CAT 336DL | CAT 336DL | CAT 336DL | CAT 349D |
| Diesel Engine | CAT C6.4 | CAT C7 | CAT C7 | CAT C9 | CAT C9 | CAT C9 | CAT C9 | CAT C9 | CAT C13 |
| Rated Power(KW) | 110 | 187 | 187 | 213 | 261 | 261 | 261 | 261 | 328 |
| Crowd Pull down force(KN) | 150 | 160 | 160 | 180 | 180 | 200 | 200 | 215 | 400 |
| Crowd Pull down force(KN) | 160 | 180 | 180 | 245 | 265 | 265 | 265 | 275 | 400 |
| Pull down Stoke(mm) | 4250 | 13000 | 4500 | 5330 | 13500 | 5330 | 5330 | 5330 | 14000 |
| Nominal line pull for the main winch(KN) | 160 | 200 | 200 | 256 | 320 | 256 | 256 | 320 | 360 |
| Nominal rope speed for the main winch(M/MIN) | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 60 | 50 |
| Weight (t) | 43 | 63 | 63 | 70 | 70 | 73 | 76 | 76 | 96 |

Reverse Circulation drilling rig

Special Features

BR series is a kind of foundation construction hydraulic equipment with a inclined rotary head driving drilling tools especially good large diameter construction. It features small size, light weight, easy movable, easy for platform construction, etc. The main body of the machine adopts the dismantlable and compact structure easy for transportation, repair and maintenance. BR series is mainly applied for the large diameter grouting pile construction of railways, roads, ports, high buildings and crossing sea bridges at Max 200MPa



The Penang Second bridge 2.0-2.3m × 115m



The Hangzhou bay bridge 2.5-2.8m × 128m

Specifications

| Model | BR25 | BR30 | BR35 | BR40 |
|------------------------------|---------------|-----------------|-----------------|-----------------|
| Hole diameter(mm) | 2.5 | 3.0 | 3.5 | 4.0 |
| Hole depth(m) | 150 | 150 | 150 | 150 |
| Angle of the guide frame(°) | 120 | 150 | 160 | 200 |
| Angle of the rotary head(°) | 30 | 30 | 30 | 30 |
| Jib crane(T) | 45 | 45 | 45 | 45 |
| Lifting force kN | 1.2 | 1.5 | 1.5 | 1.5 |
| Speed of rotary head(rpm) | 4-20 | 4-20 | 4-20 | 4-16 |
| Torque of rotary head(kN·m) | 6 | 10 | 12 | 15 |
| Stroke of rotary head(mm) | 3.6 | 3.6 | 3.6 | 4.15 |
| Rod diameter(mm) | 351 × 20 | 377 × 22 | 377 × 24 | 377 × 28 |
| Input power(kW) | 165 | 230 | 255 | 330 |
| Dimension(mm) | 4.0 × 3.8 × 7 | 4.0 × 4.1 × 7.3 | 4.8 × 4.5 × 7.3 | 5.4 × 5.1 × 7.3 |
| Weight(Kg) | 25 | 35 | 37 | 43 |