

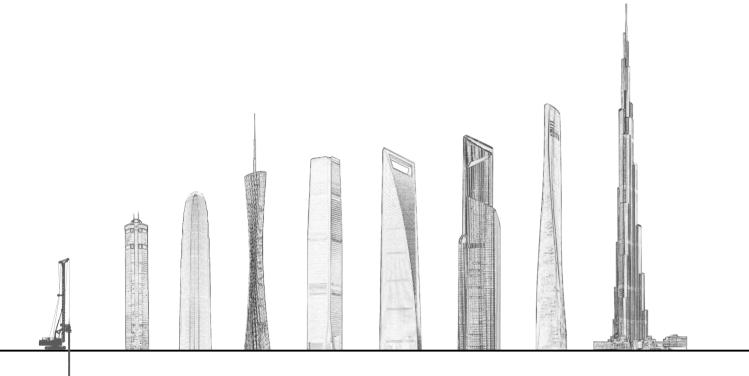
PILING MACHINERY PRODUCTS COLLECTION

Quality Changes the World



Website: www.sanyglobal.com

The world's height is determined by our drilling depth





SERVICE COMMITMENTS



2003

The first Sany rotary drilling rig SYR220 was born.

2005

Beijing Sany passed ISO 9001 and CE certifications and became the first Chinese rotary drilling rig manufacturer to obtain such certifications.

2007

The first winch crowded rotary drilling rig in China SR220R was born.

2008

SR360 with the largest torque in Asia was developed by our own technology.

2009

The successful developing of SR420 rotary drilling rig manufacturing in China.

• 2011

The largest rotary drilling rig in Asia SR460 rolled off the production line. Sany was awarded Customer Satisfaction in the First by China Quality Association.

2012

SR280LHII broadened the new horizons.

• 2013

SANY kelly bar product line was awarded FOUR STARS by China Quality Association.

• 2014

C8 series comes to the market grandly and sets the new benchmark with its high quality and strong drilling ability.

• 2015

The Aisa biggst Rotary Drilling Rig SR630 was born in Beijing Sany Plant.

2016

Official launch new C10 series rotary drilling rig, led the industry with innovative technology, high quality, and create legends again

2017

Greater glories are to be created by C10....





THE WORLD MOST ADVANCED AND INTELLIGENT PRODUCTION LINE FOR PILING MACHINERY

No.1 workshop of Nankou Industrial Park is an important part of Beijing Sany Manufacturing Center. The production area is 80,000 square metres, and the total investment is 230 million USD. By the end of 2011, it had achieved the capacity of manufacturing 1500 rotary drilling rigs per year. It has a modern production line with greatest output and highest level of automation.





CONSTRUCTION METHOD

We provide not only a machine, but also the unique technical support on construction method

Technical support of construction method

According to geological report and construction requirements, we provide customers with total solution which includes equipment configuration, cost analysis and construction management. In the respects of construction plan design, on-site technical guidance and customers' special requirements, etc, customers who buy our products will buy the rest assured and will be free from worry in future use.

Solving various problems

If you have encountered such problems as hard rock unable to drill, hole collapse on soft ground, oversized hole, eccentric hole-drilling, sediment too thick?

Sany technical support team on construction method will provide you with technical support and on-site guidance for free.

New standard, new construction method and new equipment research

Participate in making GB Rotary Drilling Rig, GB General Regulations of Rotary Drilling Rig Construction and Rotary Drilling Rig Telescopic Kelly Bar; Research on all-casing construction method, secant piling construction method, mud purification, developing special drilling tool, etc. All these will help you on construction, expanding construction range, increasing construction efficiency and profits.







| 416 | | | |
|---------------------|--------|-----------------------|--|
| Main performances | Unit | Parameter | Remark |
| Pile | | | |
| Max. pile diameter | mm | 1,500 | |
| Max. pile depth | m | 56/44 | friction kelly/inter-locking kelly |
| Rotary Drive | | | |
| Max. output torque | kN⋅m | 155 | |
| Speed of rotation | rpm | 5~35 | |
| Crowd system | | | |
| Crowd force | kN | 155 | |
| Line pull | kN | 160 | |
| Stroke | mm | 4,200 | |
| Main winch | | | |
| Line pull | kN | 160 | |
| Rope diameter | mm | 26 | |
| Max. line speed | m/min | 80 | |
| Auxiliary winch | | | |
| Line pull | kN | 60 | |
| Rope diameter | mm | 14 | |
| Max. line speed | m/min | 75 | |
| Mast inclination | | | |
| Forward/backward | 0 | 5/90 | |
| Lateral | 0 | ±3 | |
| Main Chassis | | | |
| Base engine | | Mitsubishi D06FRC-TAA | |
| Engine power | kW/rpm | 144/2,000 | |
| Emission regulation | | COMII/R96 | |
| Engine displacement | L | 6.373 | |
| Chassis length | mm | 5,972 | |
| Extended width | mm | 4,100 | |
| Track shoe width | mm | 700 | |
| Swing radius | mm | 3,717 | backside |
| Overall machine | | | |
| Overall height | mm | 18,592 | |
| Operating weight | t | 46 | with a standard kelly and the largest bucket |
| Transport width | mm | 3,140 | <u> </u> |
| Transport height | mm | 3,262 | |
| | | 0,202 | |

| Configuration table | Option | | Option | | Option |
|---------------------------------|--------|---------------------------------|--------|---------------------------------|--------|
| MAST SYSTEM : | | Crowd force measuring | • | Radio | • |
| Mast verticality measuring | • | ROTARY DRIVE : | | Gradienter | • |
| Mast sideward limits | • | Rotating speed measuring | • | Anemometer | 0 |
| Boom working range measuring | • | Torque measuring | • | Caution light | 0 |
| Cab anticollision protection | • | Multi-gear control system | • | OPERATION SYSTEM: | |
| MAIN WINCH: | | MAIN CHASSIS : | | 10-inch touch screen | • |
| Overload measuring | • | Oil pressure measuring device | • | SANY-ADMS control system | • |
| Ground touching protection | • | All-directional lighting system | • | E-Pad | • |
| Freewheel control | • | Slew angle measuring | • | Central test point | • |
| Fast lowering | • | Emergency stop switch | • | Fault self-diagnosis system | • |
| Camera monitoring system | • | Slew siren | • | Intelligent construction manag- | |
| Speed measuring | • | Diesel-electric pump | • | ement system | • |
| Depth measuring | • | Auto idle model | • | All-directional camera monitor- | |
| Upper limit protection function | • | Low temperature preheat unit | 0 | ing system | • |
| AUXILIARY WINCH: | | Integrated overload protection | • | Digital simulation animation | • |
| Upper limit protection function | • | Casing driver | 0 | Auto/manual mast verticality- | |
| CROWD SYSTEM: | | Air-conditioner | • | adjusting | • |
| Cylinder crowd system | • | | | | |

Standard O Opti

Working dimensions



Lowering the mast dimensions



■ Type of kelly bar

| Friction kelly | Weight(kg) | Depth(m) |
|----------------|------------|----------|
| Φ377×4×12 | 6,000 | 44 |
| Φ377×5×12 ★ | 5,700 | 56 |

| Standard | → Recommended equipment |
|----------|-------------------------|

| Inter-locking kelly | Weight(kg) | Depth(m) |
|---------------------|------------|----------|
| Φ377×4×10 | 5,900 | 36 |
| Φ377×4×11 | 6,000 | 40 |
| Φ377×4×12 ● | 6,500 | 44 |





| Main performances | Unit | Parameter | Remark |
|---------------------|--------|----------------|--|
| Pile | 0 | , a.a.,, o.c. | The state of the s |
| Max. pile diameter | mm | 1800 | |
| Max. pile depth | m | 64/51 | friction kelly/inter-locking kelly |
| Rotary Drive | | | |
| Max. output torque | kN⋅m | 205 | |
| Speed of rotation | rpm | 5~30 | |
| Crowd system | | | |
| Crowd force | kN | 165 | |
| Line pull | kN | 160 | |
| Stroke | mm | 4,200 | |
| Main winch | | | |
| Line pull | kN | 185 | |
| Rope diameter | mm | 28 | |
| Max. line speed | m/min | 75 | |
| Auxiliary winch | | | |
| Line pull | kN | 60 | |
| Rope diameter | mm | 14 | |
| Max. line speed | m/min | 75 | |
| Mast inclination | | | |
| Forward/backward | 0 | 5/90 | |
| Lateral | 0 | ±3 | |
| Main Chassis | | | |
| Base engine | | ISUZU AH-6HK1X | |
| Engine power | kW/rpm | 212/2,000 | |
| Emission regulation | | COM III /R96 | |
| Engine displacement | L | 7.79 | |
| Chassis length | mm | 6,377 | |
| Extended width | mm | 4,180 | |
| Track shoe width | mm | 700 | |
| Swing radius | mm | 3,805 | backside |
| Overall machine | | | |
| Overall height | mm | 21,042 | |
| Operating weight | t | 63 | with a standard kelly and the largest bucket |
| Transport width | mm | 3,212 | |
| Transport height | mm | 3,560 | |

| Configuration table | Option | | Option | | Option |
|---------------------------------|--------|---------------------------------|--------|---------------------------------|--------|
| MAST SYSTEM: | | Crowd force measuring | • | Gradienter | • |
| Mast verticality measuring | • | ROTARY DRIVE : | | Anemometer | 0 |
| Mast sideward limits | • | Rotating speed measuring | • | Caution light | 0 |
| Boom working range measuring | • | Torque measuring | • | OPERATION SYSTEM: | |
| Cab anticollision protection | • | Multi-gear control system | • | 10-inch touch screen | • |
| MAIN WINCH: | | MAIN CHASSIS: | | SANY-ADMS control system | • |
| Overload measuring | • | Oil pressure measuring device | • | E-Pad | • |
| Ground touching protection | • | All-directional lighting system | • | Central test point | • |
| Freewheel control | • | Slew angle measuring | • | Fault self-diagnosis system | • |
| Fast lowering | • | Emergency stop switch | • | Intelligent construction manag- | |
| Camera monitoring system | • | Slew siren | • | ement system | • |
| Speed measuring | • | Diesel-electric pump | • | All-directional camera monitor- | |
| Depth measuring | • | Auto idle model | • | ing system | • |
| Upper limit protection function | • | Low temperature preheat unit | 0 | Digital simulation animation | • |
| AUXILIARY WINCH: | | Integrated overload protection | • | Auto/manual mast verticality- | |
| Upper limit protection function | • | Casing driver | 0 | adjusting | • |
| CROWD SYSTEM: | | Air-conditioner | • | | |
| Cylinder crowd system | • | Radio | • | | |

Standard Optional

Working dimensions



Lowering the mast dimensions



■ Type of kelly bar

| Friction kelly | Weight(kg) | Depth(m) |
|----------------|------------|----------|
| Φ406×5×14 | 8,600 | 64 |

| Inter-locking kelly | | Weight(kg) | Depth(m) |
|---------------------|----|------------|----------|
| Φ406×4×13 | | 8,300 | 47 |
| Φ406×4×14 | •* | 8,900 | 51 |





| Main performances | Unit | Parameter | Remark |
|---------------------|---------|----------------|--|
| Pile | Offic | Parameter | Remark |
| | 100.000 | 2,000 | 2 200/2223/5/0 |
| Max. pile diameter | mm | 2,000 | 2,300(specific)® |
| Max. pile depth | m | 68/54 | friction kelly/inter-locking kelly |
| Rotary Drive | 1.0.1 | 205 | |
| Max. output torque | kN·m | 235 | |
| Speed of rotation | rpm | 5~26 | |
| Crowd system | | | |
| Crowd force | kN | 210 | |
| Line pull | kN | 215 | |
| Stroke | mm | 5,000 | |
| Main winch | | | |
| Line pull | kN | 235 | |
| Rope diameter | mm | 32 | |
| Max. line speed | m/min | 70 | |
| Auxiliary winch | | | |
| Line pull | kN | 80 | |
| Rope diameter | mm | 20 | |
| Max. line speed | m/min | 70 | |
| Mast inclination | | | |
| Forward/backward | 0 | 5/90 | |
| Lateral | 0 | ±3 | |
| Main Chassis | | | |
| Base engine | | ISUZU AH-6UZ1X | |
| Engine power | kW/rpm | 257/2,000 | |
| Emission regulation | | COM III /R96 | |
| Engine displacement | L | 9.84 | |
| Chassis length | mm | 7,265 | |
| Extended width | mm | 4,500 | |
| Track shoe width | mm | 800 | |
| Swing radius | mm | 4,360 | backside |
| Overall machine | | .,555 | 23010100 |
| Overall height | mm | 22,872 | |
| Operating weight | t | 81 | with a standard kelly and the largest bucket |
| Transport width | mm | 3,542 | 2 otal ida a nony and a lo largeot buonet |
| Transport Matri | mm | 3,661 | |
| r a roport rioignit | 111111 | 0,001 | |

| Configuration table | Option | | Option | | Option |
|---------------------------------|--------|---------------------------------|--------|---------------------------------|--------|
| MAST SYSTEM: | | Cylinder crowd system | • | Radio | • |
| Mast verticality measuring | • | Crowd force measuring | • | Gradienter | • |
| Mast sideward limits | • | ROTARY DRIVE : | | Anemometer | 0 |
| Boom working range measuring | • | Torque measuring | • | Caution light | 0 |
| Cab anticollision protection | • | Multi-gear control system | • | OPERATION SYSTEM: | |
| MAIN WINCH: | | MAIN CHASSIS: | | 10-inch touch screen | • |
| Overload measuring | • | Oil pressure measuring device | • | SANY-ADMS control system | • |
| Ground touching protection | • | All-directional lighting system | • | E-Pad | • |
| Freewheel control | • | Slew angle measuring | • | Central test point | • |
| Fast lowering | • | Emergency stop switch | • | Fault self-diagnosis system | • |
| Camera monitoring system | • | Slew siren | • | Intelligent construction manag- | |
| Speed measuring | • | Diesel-electric pump | • | ement system | • |
| Depth measuring | • | Auto idle model | • | All-directional camera monitor- | |
| Upper limit protection function | • | Low temperature preheat unit | 0 | ing system | • |
| AUXILIARY WINCH: | | Integrated overload protection | • | Digital simulation animation | • |
| Upper limit protection function | • | Casing driver | 0 | Auto/manual mast verticality- | |
| CROWD SYSTEM: | | Air-conditioner | • | adjusting | • |

■ Working dimensions



Lowering the mast dimensions



■ Type of kelly bar

| Friction kelly | | Weight(kg) | Depth(m) |
|----------------|---|------------|----------|
| Φ445×5×13 | * | 9,600 | 58 |
| Φ445×5×14 | | 10,300 | 63 |
| Φ445×5×15 | | 10,900 | 68 |

● Standard ★ Recommended equipment ★ Equipped with the maximum length kelly bar for 4m casing

| Inter-locking kelly | Weight(kg) | Deptii(iii) |
|---------------------|------------|-------------|
| Φ445×3×15 | 10,300 | 40 |
| Φ445×4×12 | 9,300 | 42 |
| Φ445×4×13 * | 8,100 | 46 |
| Φ445×4×14 ★ | 10,600 | 50 |
| Φ445×4×15 • | 11,300 | 54 |





| Main performances | Unit | Parameter | Remark |
|---------------------|--------|----------------|---|
| Pile | | | |
| Max. pile diameter | mm | 2,200 | 2,500(specific)® |
| Max. pile depth | m | 73/58 | friction kelly/inter-locking kelly |
| Rotary Drive | | | |
| Max. output torque | kN⋅m | 265 | |
| Speed of rotation | rpm | 5~25 | |
| Crowd system | | | |
| Crowd force | kN | 230 | |
| Line pull | kN | 210 | |
| Stroke | mm | 5,000 | |
| Main winch | | | |
| Line pull | kN | 275 | |
| Rope diameter | mm | 32 | |
| Max. line speed | m/min | 80 | |
| Auxiliary winch | | | |
| Line pull | kN | 80 | |
| Rope diameter | mm | 20 | |
| Max. line speed | m/min | 70 | |
| Mast inclination | | | |
| Forward/backward | 0 | 5/90 | |
| Lateral | 0 | ±3 | |
| Main Chassis | | | |
| Base engine | | ISUZU AH-6UZ1X | |
| Engine power | kW/rpm | 257/2,000 | |
| Emission regulation | | COM III/R96 | |
| Engine displacement | L | 9.84 | |
| Chassis length | mm | 7,265 | |
| Extended width | mm | 4,500 | |
| Track shoe width | mm | 800 | |
| Swing radius | mm | 4,360 | backside |
| Overall machine | | | |
| Overall height | mm | 23,870 | |
| Operating weight | t | 85 | with a standard kelly and the largest but |
| Transport width | mm | 3,542 | |
| Transport height | mm | 3,686 | |

| Configuration table | Option | | Option | | Option |
|---------------------------------|--------|---------------------------------|--------|---------------------------------|--------|
| MAST SYSTEM: | | Cylinder crowd system | • | Radio | • |
| Mast verticality measuring | • | Crowd force measuring | • | Gradienter | • |
| Mast sideward limits | • | ROTARY DRIVE : | | Anemometer | 0 |
| Boom working range measuring | • | Torque measuring | • | Caution light | 0 |
| Cab anticollision protection | • | Multi-gear control system | • | OPERATION SYSTEM: | |
| MAIN WINCH: | | MAIN CHASSIS: | | 10-inch touch screen | • |
| Overload measuring | • | Oil pressure measuring device | • | SANY-ADMS control system | • |
| Ground touching protection | • | All-directional lighting system | • | E-Pad | • |
| Freewheel control | • | Slew angle measuring | • | Central test point | • |
| Fast lowering | • | Emergency stop switch | • | Fault self-diagnosis system | • |
| Camera monitoring system | • | Slew siren | • | Intelligent construction manag- | |
| Speed measuring | • | Diesel-electric pump | • | ement system | • |
| Depth measuring | • | Auto idle model | • | All-directional camera monitor- | |
| Upper limit protection function | • | Low temperature preheat unit | 0 | ing system | • |
| AUXILIARY WINCH: | | Integrated overload protection | • | Digital simulation animation | • |
| Upper limit protection function | • | Casing driver | 0 | Auto/manual mast verticality- | |
| CROWD SYSTEM: | | Air-conditioner | • | adjusting | • |

Standard O Opti

■ Working dimensions



Lowering the mast dimensions



■ Type of kelly bar

| Weight(kg) | Depth(m) |
|------------|---------------------------|
| 9,600 | 58 |
| 10,300 | 63 |
| 10,900 | 68 |
| 11,700 | 73 |
| | 9,600 10,300 10,900 |

[●] Standard ★ Recommended equipment ★ Equipped with the maximum length kelly bar for 4m casing

| Inter-locking kelly | Weight(kg) | Depth(m) |
|---------------------|------------|----------|
| Φ445×3×15 | 10,300 | 40 |
| Φ445×4×13 | 8,100 | 46 |
| Φ445×4×14 * | 10,600 | 50 |
| Φ445×4×15 ★ | 11,300 | 54 |
| Φ445×4×16 • | 12,000 | 58 |
| Φ445×4×16 • | 12,000 | 58 |





| Max. pile diameter mm 2,300 2,500(specific)® Max. pile depth m 94/61 friction kelly/inter-locking kelly Robaty Drive Wilex. output torque kN·m 285 Speed of rotation rpm 5~23 Crowd system Crowd force kN 260 Line pull kN 253 Stroke mm 6000 Main winch Mine pull kN 330 Rope diameter mm 36 Max. line speed m/min 72 Auxiliary winch Mine pull kN 90 line pull kN 90 90 Rope diameter mm 20 4 Max. line speed m/min 70 70 Mast inclination Value 5/90 2 Forward/backward ° 5/90 2 ase engine ISUZU AH-6WG1X 8 Engine power kW/rpm 300/1,800 Emission regulation COMIII (R96< | Main performances | Unit | Parameter | Remark |
|--|---------------------|--------|----------------|--|
| Max. pile depth m 94/61 friction kelly/inter-locking kelly **Rotary Drive** **Max. output torque kN-m 285 Speed of rotation rpm 5-723 **Crowd system** **Crowd force kN 260 | Pile | | | |
| Notary Drive Max. output torque kN-m 285 Speed of rotation rpm 5-23 Crowd system Crowd force kN 260 Line pull kN 253 Broke mm 6000 Main winch | Max. pile diameter | mm | 2,300 | 2,500(specific) [©] |
| Max. output torque kN-m 285 Speed of rotation rpm 5-23 Crowd system Crowd force kN 260 Line pull kN 253 Stroke mm 6000 Main winch Image: Company of the co | Max. pile depth | m | 94/61 | friction kelly/inter-locking kelly |
| Speed of rotation | Rotary Drive | | | |
| Crowd system KN 260 Line pull kN 253 Stroke mm 6000 Main winch Line pull kN 330 Rope diameter mm 36 Max. line speed m/min 72 Auxiliary winch Line pull kN 90 Rope diameter mm 20 Max. line speed m/min 70 Max. line speed m/min 80/90 Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 <td>Max. output torque</td> <td>kN·m</td> <td>285</td> <td></td> | Max. output torque | kN·m | 285 | |
| Crowd force kN 260 Line pull kN 253 Stroke mm 6000 Wain winch Line pull kN 330 Rope diameter mm 36 Max, line speed m/min 72 Auxiliary winch Line pull kN 90 Rope diameter mm 20 Max, line speed m/min 70 Max line speed m/min 30/90 Lateral * ±4 4 Wain chassis 3ase engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 <td>Speed of rotation</td> <td>rpm</td> <td>5~23</td> <td></td> | Speed of rotation | rpm | 5~23 | |
| Line pull kN 253 Stroke mm 6000 Main winch | Crowd system | | | |
| Stroke | Crowd force | kN | 260 | |
| Main winch kN 330 Rope diameter mm 36 Max. line speed m/min 72 Auxiliary winch Line pull kN 90 Rope diameter mm 20 Max. line speed m/min 70 Mast inclination 5/90 Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Sase engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COMIII/R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height t 100 with a standard kelly and the largest buck | _ine pull | kN | 253 | |
| Interpull KN 330 Rope diameter mm 36 Max. line speed m/min 72 Muxiliary winch | Stroke | mm | 6000 | |
| Rope diameter mm 36 Max. line speed m/min 72 Auxiliary winch Image: Speed of the pull of t | Main winch | | | |
| Max. line speed m/min 72 Auxiliary winch Line pull kN 90 Rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ±4 Main Chassis Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COMIII/R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Frack shoe width mm 800 Swing radius mm 4,530 backside Devail machine Overall machine Overall height mm 25,423 Operating weight t 100 with a standard kelly and the largest buck fransport width mm 3,542 | Line pull | kN | 330 | |
| Auxiliary winch Line pull kN 90 Rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ±4 Main Chassis Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COMIII/R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Frack shoe width mm 800 Swing radius mm 4,530 backside Devail machine Overall height mm 25,423 Operating weight t 100 with a standard kelly and the largest buck fransport width mm 3,542 | Rope diameter | mm | 36 | |
| KN 90 Rope diameter | Max. line speed | m/min | 72 | |
| Rope diameter mm 20 Max. line speed m/min 70 Mast inclination 5/90 Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Down and the largest buckside Overall height mm 25,423 Operating weight t 100 with a standard kelly and the largest buckside Transport width mm 3,542 | Auxiliary winch | | | |
| Max. line speed m/min 70 Mast inclination 5/90 Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Sase engine ISUZU AH-6WG1X Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Dverall height mm 25,423 Operating weight t 100 with a standard kelly and the largest buck Transport width mm 3,542 | Line pull | kN | 90 | |
| Mast inclination Forward/backward Porward/backward Porwar | Rope diameter | mm | 20 | |
| Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM // R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Frack shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,423 Operating weight t 100 with a standard kelly and the largest buck fransport width mm 3,542 | Max. line speed | m/min | 70 | |
| System | Mast inclination | | | |
| Main Chassis Base engine Bas | Forward/backward | 0 | 5/90 | |
| Suzu AH-6WG1X | Lateral | 0 | ± 4 | |
| Engine power kW/rpm 300/1,800 Emission regulation COM | Main Chassis | | | |
| Emission regulation COMIII/R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,423 Operating weight t 100 with a standard kelly and the largest buck Transport width mm 3,542 | Base engine | | ISUZU AH-6WG1X | |
| Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Dverall height mm 25,423 Operating weight t 100 with a standard kelly and the largest buck Transport width mm 3,542 | Engine power | kW/rpm | 300/1,800 | |
| Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Dverall height mm 25,423 Operating weight t 100 with a standard kelly and the largest buck Transport width mm 3,542 | Emission regulation | | COM III /R96 | |
| Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Diverall height mm 25,423 Operating weight t 100 with a standard kelly and the largest buck Transport width mm 3,542 | Engine displacement | L | 15.68 | |
| Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,423 Operating weight t 100 with a standard kelly and the largest buck Transport width mm 3,542 | Chassis length | mm | 7,473 | |
| Swing radius mm 4,530 backside Dverall machine Overall height mm 25,423 Operating weight t 100 with a standard kelly and the largest buck Transport width mm 3,542 | Extended width | mm | 4,700 | |
| Overall machine Description Overall height mm 25,423 Operating weight t 100 with a standard kelly and the largest buckers Transport width mm 3,542 | Track shoe width | mm | 800 | |
| Overall height mm 25,423 Operating weight t 100 with a standard kelly and the largest buck Transport width mm 3,542 | Swing radius | mm | 4,530 | backside |
| Operating weight t 100 with a standard kelly and the largest buck Transport width mm 3,542 | Overall machine | | | |
| Operating weight t 100 with a standard kelly and the largest buck Transport width mm 3,542 | Overall height | mm | 25,423 | |
| Transport width mm 3,542 | Operating weight | t | | with a standard kelly and the largest buck |
| | Transport width | mm | 3,542 | |
| | Transport height | mm | | |

| Configuration table | Option | | Option | | Option |
|---------------------------------|--------|---------------------------------|--------|---------------------------------|--------|
| MAST SYSTEM: | | Cylinder crowd system | • | Air-conditioner | • |
| Mast verticality measuring | • | Crowd force measuring | • | Radio | • |
| Mast sideward limits | • | ROTARY DRIVE : | | Gradienter | • |
| Masthead cylinder | • | Torque measuring | • | Anemometer | 0 |
| Boom working range measuring | • | Multi-gear control system | • | Caution light | 0 |
| Cab anticollision protection | • | MAIN CHASSIS : | | OPERATION SYSTEM: | |
| MAIN WINCH: | | Oil pressure measuring device | • | 10-inch touch screen | • |
| Overload measuring | • | All-directional lighting system | • | SANY-ADMS control system | • |
| Ground touching protection | • | Slew angle measuring | • | E-Pad | • |
| Freewheel control | • | Emergency stop switch | • | Central test point | • |
| Fast lowering | • | Slew siren | • | Fault self-diagnosis system | • |
| Camera monitoring system | • | Diesel-electric pump | • | Intelligent construction manag- | |
| Speed measuring | • | Auto centralized lubricating- | | ement system | • |
| Depth measuring | • | system | • | All-directional camera monitor- | |
| Upper limit protection function | • | Auto idle model | • | ing system | • |
| AUXILIARY WINCH: | | Low temperature preheat unit | 0 | Digital simulation animation | • |
| Upper limit protection function | • | Integrated overload protection | • | Auto/manual mast verticality- | - |
| CROWD SYSTEM: | | Casing driver | 0 | adjusting | • |

• Standard O Optional

Working dimensions



Lowering the mast dimensions



■ Type of kelly bar

| Friction kelly | Weight(kg) | Depth(m) |
|--------------------|------------|----------|
| Φ508×6×12 * | 12,000 | 61.5 |
| Φ508×6×14 | 13,700 | 75.5 |
| Φ508×6×15 | 14,600 | 81.5 |
| Φ508×6×16 | 15,300 | 87.5 |
| Φ508×6×17 | 15,900 | 94 |
| | | |

| • 014 | iidaid | _ | 1 10001111111 | silucu | cquip | JIIIC | 111 | | |
|-------|-------------|-----|---------------|--------|-------|-------|-----|----|--------|
| ★ Ear | uipped with | the | maximum | lenath | kellv | bar | for | 6m | casino |

| Inter-locking kelly | Weight(kg) | Depth(m) |
|---------------------|------------|----------|
| Φ508×3×15 | 13,900 | 40 |
| Φ508×4×13 * | 10,900 | 45 |
| Φ508×4×14 | 11,700 | 49 |
| Φ508×4×15 | 12,500 | 53 |
| Φ508×4×16 ★ | 13,100 | 57 |
| Φ508×4×17 • | 13,700 | 61 |
| | | |





| 410 | | | |
|---------------------|--------|----------------|--|
| Main performances | Unit | Parameter | Remark |
| Pile | | | |
| Max. pile diameter | mm | 2,500 | 3,000(specific) [®] |
| Max. pile depth | m | 106/69 | friction kelly/inter-locking kelly |
| Rotary Drive | | | |
| Max. output torque | kN⋅m | 360 | |
| Speed of rotation | rpm | 5~25 | |
| Crowd system | | | |
| Crowd force | kN | 290 | |
| Line pull | kN | 250 | |
| Stroke | mm | 6,000 | |
| Main winch | | | |
| Line pull | kN | 360 | |
| Rope diameter | mm | 36 | |
| Max. line speed | m/min | 75 | |
| Auxiliary winch | | | |
| Line pull | kN | 90 | |
| Rope diameter | mm | 20 | |
| Max. line speed | m/min | 70 | |
| Mast inclination | | | |
| Forward/backward | 0 | 4/90 | |
| Lateral | 0 | ± 4 | |
| Main Chassis | | | |
| Base engine | | ISUZU AH-6WG1X | |
| Engine power | kW/rpm | 300/1,800 | |
| Emission regulation | | COMⅢ/R96 | |
| Engine displacement | L | 15.68 | |
| Chassis length | mm | 7,850 | |
| Extended width | mm | 4,840 | |
| Track shoe width | mm | 800 | |
| Swing radius | mm | 4,705 | backside |
| Overall machine | | | |
| Overall height | mm | 27,314 | |
| Operating weight | t | 114 | with a standard kelly and the largest bucket |
| Transport width | mm | 3,532 | |
| Transport height | mm | 3,744 | |

| Configuration table | Option | | Option | | Option |
|---------------------------------|--------|---------------------------------|--------|---------------------------------|--------|
| MAST SYSTEM: | | Crowd force measuring | • | Air-conditioner | • |
| Mast verticality measuring | • | ROTARY DRIVE : | | Radio | • |
| Mast sideward limits | • | Rotating speed measuring | • | Gradienter | • |
| Masthead cylinder | • | Torque measuring | • | Anemometer | 0 |
| Boom working range measuring | • | Multi-gear control system | • | Caution light | 0 |
| Cab anticollision protection | • | MAIN CHASSIS: | | OPERATION SYSTEM: | |
| MAIN WINCH: | | Oil pressure measuring device | • | 10-inch touch screen | • |
| Overload measuring | • | All-directional lighting system | • | SANY-ADMS control system | • |
| Ground touching protection | • | Slew angle measuring | • | E-Pad | • |
| Freewheel control | • | Emergency stop switch | • | Central test point | • |
| Fast lowering | • | Slew siren | • | Fault self-diagnosis system | • |
| Camera monitoring system | • | Diesel-electric pump | • | Intelligent construction manag- | |
| Speed measuring | • | Auto centralized lubricating- | | ement system | • |
| Depth measuring | • | system | • | All-directional camera monitor- | |
| Upper limit protection function | • | Auto idle model | • | ing system | • |
| AUXILIARY WINCH: | | Low temperature preheat unit | 0 | Digital simulation animation | • |
| Upper limit protection function | • | Integrated overload protection | • | Auto/manual mast verticality- | |
| CROWD SYSTEM: | | Casing driver | 0 | adjusting | • |
| Cylinder crowd system | • | | | | |

• Standard O Optional

■ Working dimensions



■ Lowering the mast dimensions



■ Type of kelly bar

| Friction kelly | | Weight(kg) | Depth(m) | Inter-locking kelly | Weight(kg) | Depth |
|----------------|---|------------|----------|---------------------|------------|-------|
| Φ508×6×14 | | 13,700 | 75.5 | Φ508×4×14 | 11,700 | 49 |
| Φ508×6×15 | * | 14,600 | 81.5 | Φ508×4×15 * | 12,500 | 53 |
| Φ508×6×16 | | 15,300 | 87.5 | Φ508×4×16 | 13,100 | 57 |
| Φ508×6×17 | | 15,900 | 94 | Φ508×4×17 ★ | 13,700 | 61 |
| Φ508×6×18 | | 16,800 | 100 | Φ508×4×18 • | 14,600 | 65 |
| Φ508×6×19 | © | 17,300 | 106 | Φ508×4×19 © | 15,500 | 69 |

[●] Standard ★ Recommended equipment ★ Equipped with the maximum length kelly bar for 6m casing © Please contact with Sany for special advice



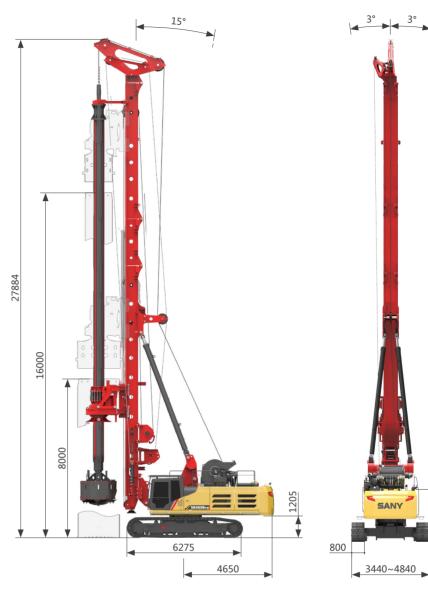




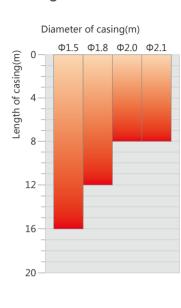
| Main performances | Unit | Parameter | Remark |
|---------------------|--------|--------------------|--|
| Pile | | | |
| Max. pile diameter | mm | 2,500/2,100 | winch crowd: none casing/casing |
| | mm | 2,700/2,400 | cylinder crowd: none casing/casing |
| Max. pile depth | m | 106/69 | friction kelly/inter-locking kelly |
| Rotary Drive | | | |
| Max. output torque | kN⋅m | 365 | |
| Speed of rotation | rpm | 4~23 | |
| Crowd system | | | |
| Crowd force | kN | 320 | |
| Line pull | kN | 325 | |
| Stroke | mm | 9,000-18,000/6,000 | half-full stroke/cylinder crowd |
| Main winch | | | |
| Line pull | kN | 410 | |
| Rope diameter | mm | 36 | |
| Max. line speed | m/min | 75 | |
| Auxiliary winch | | | |
| Line pull | kN | 90 | |
| Rope diameter | mm | 20 | |
| Max. line speed | m/min | 70 | |
| Mast inclination | | | |
| Forward/backward | 0 | 90/15 | |
| Lateral | 0 | ±3 | |
| Main Chassis | | | |
| Base engine | | ISUZU AH-6WG1X | |
| Engine power | kW/rpm | 300/1,800 | |
| Emission regulation | | COM III/R96 | |
| Engine displacement | L | 15.68 | |
| Chassis length | mm | 7,850 | |
| Extended width | mm | 4,840 | |
| Track shoe width | mm | 800 | |
| Swing radius | mm | 4,705 | backside |
| Overall machine | | | |
| Overall height | mm | 27,884 | |
| Operating weight | t | 127 | with a standard kelly and the largest bucket |
| Transport width | mm | 3,500 | |
| Transport height | mm | 3,576 | |
| | | - 7 | |

| Configuration table | Option | | Option | | Option |
|---------------------------------|--------|---------------------------------|--------|---------------------------------|--------|
| MAST SYSTEM: | | Crowd upper limit protection | • | Casing driver | 0 |
| Mast verticality measuring | • | Crowd force measuring | • | Air-conditioner | • |
| Mast sideward limits | • | ROTARY DRIVE : | | Radio | • |
| Outrigger cylinder | • | Rotating speed measuring | • | Gradienter | • |
| Boom working range measuring | • | Torque measuring | • | Anemometer | 0 |
| Rigging & derigging mode | • | Crowd self-adaption function | • | Caution light | 0 |
| MAIN WINCH: | | Multi-gear control system | • | OPERATION SYSTEM: | |
| Overload measuring | • | MAIN CHASSIS : | | 10-inch touch screen | • |
| Ground touching protection | • | Oil pressure measuring device | • | SANY-ADMS control system | • |
| Freewheel control | • | All-directional lighting system | • | E-Pad | • |
| Fast lowering | • | Slew angle measuring | • | Central test point | • |
| Camera monitoring system | • | Emergency stop switch | • | Fault self-diagnosis system | • |
| Speed measuring | • | Slew siren | • | Intelligent construction manag- | |
| Depth measuring | • | Diesel-electric pump | • | ement system | • |
| Upper limit protection function | • | Auto centralized lubricating- | | All-directional camera monitor- | |
| AUXILIARY WINCH: | | system | • | ing system | • |
| Upper limit protection function | • | Auto idle model | • | Digital simulation animation | • |
| CROWD SYSTEM: | | Low temperature preheat unit | 0 | Auto/manual mast verticality- | |
| Crowd winch system | • | Integrated overload protection | • | adjusting | • |
| Tensioning cylinder | • | | | | |

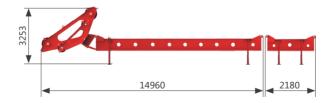
Working dimensions



Casing Parts



Unassembled state dimensions





■ Type of kelly bar

| Friction kelly | | Weight(kg) | Depth(m) | Inter-locking kelly | 重量kg | 钻深m |
|----------------|------------|------------|----------|----------------------|--------|-----|
| Φ530×6×14 | | 13,700 | 76 | Φ530×4×13 * 1 | 12,800 | 49 |
| Φ530×6×15 | * 2 | 16,200 | 82 | Φ530×4×15 ★ 2 | 14,400 | 53 |
| Φ530×6×16 | | 16,900 | 88 | Φ530×4×16 | 15,200 | 57 |
| Φ530×6×17 | | 17,700 | 94 | Φ530×4×17 ★ | 16,100 | 61 |
| Φ530×6×18 | | 18,400 | 100 | Φ530×4×18 ● | 16,900 | 65 |
| Φ530×6×19 | S | 19,100 | 106 | Φ530×4×19 | 17,700 | 69 |
| | | | | | | |

[●] Standard ★ Recommended equipment ★1 Equipped with the maximum length kelly bar for 6m casing © Please contact with Sany for special advice

• Standard O Optional

^{★2} Equipped with the maximum length kelly bar for 8m casing





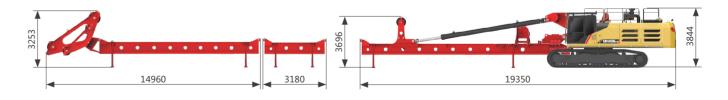
| Main performances | Unit | Parameter | Remark |
|---------------------|--------|----------------|---|
| Pile | | | |
| Max. pile diameter | mm | 2,500/2,800 | winch crowd/cylinder crowd |
| Max. pile depth | m | 112/73 | friction kelly/inter-locking kelly |
| Rotary Drive | | | |
| Max. output torque | kN⋅m | 405 | |
| Speed of rotation | rpm | 4~23 | |
| Crowd system | | | |
| Crowd force | kN | 350 | |
| Line pull | kN | 325 | |
| Stroke | mm | 9,000/6,000 | winch crowd/cylinder crowd |
| Main winch | | | |
| Line pull | kN | 437 | |
| Rope diameter | mm | 36 | |
| Max. line speed | m/min | 50 | |
| Auxiliary winch | | | |
| Line pull | kN | 90 | |
| Rope diameter | mm | 20 | |
| Max. line speed | m/min | 70 | |
| Mast inclination | | | |
| Forward/backward | 0 | 90/15 | |
| Lateral | 0 | ±3 | |
| Main Chassis | | | |
| Base engine | | ISUZU AH-6WG1X | |
| Engine power | kW/rpm | 377/1,800 | |
| Emission regulation | | COM III /R96 | |
| Engine displacement | L | 15.68 | |
| Chassis length | mm | 7,908 | |
| Extended width | mm | 4,900 | |
| Track shoe width | mm | 800 | |
| Swing radius | mm | 4,650 | backside |
| Overall machine | | | |
| Overall height | mm | 28,884 | |
| Operating weight | t | 141 | with a standard kelly and the largest buc |
| Transport width | mm | 3,600 | |
| | | | |

| Configuration table | Option | | Option | | Option |
|---------------------------------|--------|---------------------------------|--------|---------------------------------|--------|
| MAST SYSTEM: | | Crowd upper limit protection | • | Casing driver | 0 |
| Mast verticality measuring | • | Crowd force measuring | • | Air-conditioner | • |
| Mast sideward limits | • | ROTARY DRIVE : | | Radio | • |
| Outrigger cylinder | • | Rotating speed measuring | • | Gradienter | • |
| Boom working range measuring | • | Torque measuring | • | Anemometer | 0 |
| Rigging & derigging mode | • | Crowd self-adaption function | • | Caution light | 0 |
| MAIN WINCH: | | Multi-gear control system | • | OPERATION SYSTEM: | • |
| Overload measuring | • | MAIN CHASSIS: | | 10-inch touch screen | • |
| Ground touching protection | • | Oil pressure measuring device | • | SANY-ADMS control system | • |
| Freewheel control | • | All-directional lighting system | • | E-Pad | • |
| Fast lowering | • | Slew angle measuring | • | Central test point | • |
| Camera monitoring system | • | Emergency stop switch | • | Fault self-diagnosis system | |
| Speed measuring | • | Slew siren | • | Intelligent construction manag- | • |
| Depth measuring | • | Diesel-electric pump | • | ement system | |
| Upper limit protection function | • | Auto centralized lubricating- | | All-directional camera monitor- | • |
| AUXILIARY WINCH: | | system | • | ing system | • |
| Upper limit protection function | • | Auto idle model | • | Digital simulation animation | • |
| CROWD SYSTEM: | | Low temperature preheat unit | 0 | Auto/manual mast verticality- | |
| Crowd winch system | • | Integrated overload protection | • | adjusting | • |
| Tensioning cylinder | • | | | | |

■ Working dimensions



Unassembled state dimensions



■ Type of kelly bar

| Friction kelly | | Weight(kg) | Depth(m) |
|----------------|---|------------|----------|
| Φ530×6×15 | * | 16,200 | 82 |
| Φ530×6×16 | | 16,900 | 88 |
| Φ530×6×17 | | 17,700 | 94 |
| Φ530×6×18 | | 18,400 | 100 |
| Φ530×6×19 | | 19,100 | 106 |
| Φ530×6×20 | | 19,700 | 112 |

| Inter-locking kelly | Weight(kg) | Depth(m) |
|---------------------|------------|----------|
| Φ530×4×15 * | 14,400 | 53 |
| Φ530×4×16 | 15,200 | 57 |
| Φ530×4×17 | 16,100 | 61 |
| Φ530×4×18 | 16,900 | 65 |
| Φ530×4×19 ★ | 17,700 | 69 |
| Φ530×4×20 ● | 18,500 | 73 |

[●] Standard ★ Recommended equipment ★ Equipped with the maximum length kelly bar for 6m casing



Wo Parameter Main performances Max. pile diameter mm 2,000 Max. pile depth 68/54 friction kelly/inter-locking kelly m Rotary Drive 235 Max. output torque kN⋅m Speed of rotation rpm 5~27 Crowd system kΝ Crowd force 210 Line pull kΝ 210 15.000 Stroke mm Main winch kΝ 250 Line pull 32 Rope diameter mm Max. line speed m/min 70 Auxiliary winch 80 Line pull kΝ Rope diameter mm 20 Max. line speed m/min 80 Mast inclination Forward/backward 5/90 Lateral ±3 Main Chassis Base engine ISUZU AH-6UZ1X kW/rpm Engine power 257/2,000 Emission regulation COM∭/R96 Engine displacement 9.84 7,265 Chassis length mm 4,500 Extended width mm Track shoe width mm 800 4,360 backside Swing radius mm Overall machine

Note: ① remove the lower mast, please contact Sany for kelly model.

mm

mm

Overall height

Operating weight

Transport width

Transport height

| Configuration table | Option | | Option | | Option |
|---------------------------------|--------|---------------------------------|--------|---------------------------------|--------|
| MAST SYSTEM: | | Cylinder crowd system | • | Radio | • |
| Mast verticality measuring | • | Crowd force measuring | • | Gradienter | • |
| Mast sideward limits | • | ROTARY DRIVE : | | Anemometer | 0 |
| Boom working range measuring | • | Torque measuring | • | Caution light | 0 |
| Cab anticollision protection | • | Multi-gear control system | • | OPERATION SYSTEM: | |
| MAIN WINCH: | | MAIN CHASSIS: | | 10-inch touch screen | • |
| Overload measuring | • | Oil pressure measuring device | • | SANY-ADMS control system | • |
| Ground touching protection | • | All-directional lighting system | • | E-Pad | • |
| Freewheel control | • | Slew angle measuring | • | Central test point | • |
| Fast lowering | • | Emergency stop switch | • | Fault self-diagnosis system | • |
| Camera monitoring system | • | Slew siren | • | Intelligent construction manag- | |
| Speed measuring | • | Diesel-electric pump | • | ement system | • |
| Depth measuring | • | Auto idle model | • | All-directional camera monitor- | |
| Upper limit protection function | • | Low temperature preheat unit | 0 | ing system | • |
| AUXILIARY WINCH: | | Integrated overload protection | • | Digital simulation animation | • |
| Upper limit protection function | • | Casing driver | 0 | Auto/manual mast verticality- | - |
| CROWD SYSTEM: | | Air-conditioner | • | adjusting | • |

22,870 85

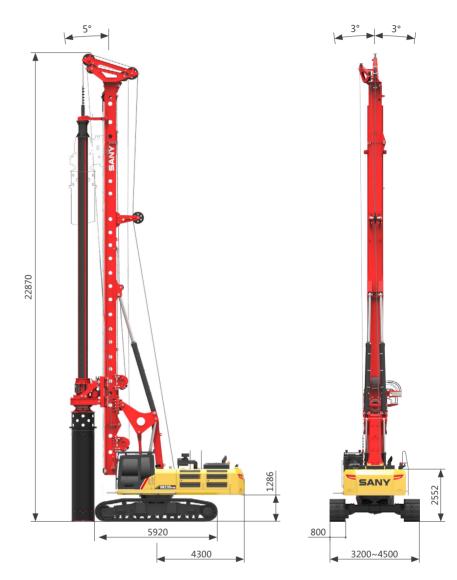
3,542

3,576

Standard Optional

with a standard kelly and the largest bucket

■ Working dimensions



Lowering the mast dimensions



■ Type of kelly bar

| Friction kelly | | Weight(kg) | Depth(m) |
|----------------|---|------------|----------|
| Φ445×5×13 | * | 9,600 | 58 |
| Φ445×5×14 | | 10,300 | 63 |
| Φ445×5×15 | | 10,900 | 68 |

● Standard ★ Recommended equipment

★ Equipped with the maximum length kelly bar for 4m casing

| Inter-locking kelly | Weight(kg) | Depth(m) |
|---------------------|------------|----------|
| Φ445×3×15 | 10,300 | 40 |
| Φ445×4×12 | 9,300 | 42 |
| Φ445×4×13 ★ | 8,100 | 46 |
| Φ445×4×14 ★ | 10,600 | 50 |
| Φ445×4×15 • | 11.300 | 54 |



Wo

| Main performances Unit Parameter Remark Pile mm 2,200/1,900 none casing/casing Max. pile depth m 93.5/61 friction kelly/inter-locking kelly Rotary Drive m 285 friction kelly/inter-locking kelly Max. output forque kN-m 285 speed of rotation rpm 5-24 Crowd force kN 260 control of con | | | | |
|--|---------------------|--------|----------------|--|
| Max. pile diameter mm 2,200/1,900 none casing/casing Max. pile depth m 93.5/61 friction kelly/inter-locking kelly Rotary Drive W Bax. output forque kN·m 285 Speed of rotation rpm 5-24 From the control of the c | Main performances | Unit | Parameter | Remark |
| Max. pile depth m 93.5/61 friction kelly/inter-locking kelly Rotary Drive Rotary Drive Rotary Drive Max. output torque kN-m 285 Speed of rotation rpm 5-24 Crowd system Crowd force kN 280 Line pull kN 280 Expected on the control of the con | Pile | | | |
| Rotary Drive Max. output torque KN·m 285 Speed of rotation rpm 5-24 Crowd System Crowd force kN 260 Line pull kN 280 Stroke mm 17,100 Main winch Line pull kN 330 Rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Line pull kN 90 Rope diameter mm 20 Max. line speed m/min 70 Max. line speed m/min 70 Max inclination Forward/backward 5/90 Lateral a ± 4 Main Chassis Sase engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COMIII/R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,530 backside Overall machire | Max. pile diameter | mm | 2,200/1,900 | none casing/casing |
| Max. output torque kN·m 285 Speed of rotation rpm 5-24 Crowd system Commod force kN 260 Line pull kN 280 Stroke mm 17,100 Main winch Line pull kN 330 Rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Line pull kN 90 Rope diameter mm 20 Max. line speed m/min 70 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,530 backside Overall machine | Max. pile depth | m | 93.5/61 | friction kelly/inter-locking kelly |
| Speed of rotation rpm 5-24 Crowd system Bit of the pull of the | Rotary Drive | | | |
| Crowd system kN 260 Line pull kN 280 Stroke mm 17,100 Main winch Understand the pull kN 330 Rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Understand the pull kN 90 Rope diameter mm 20 Max. line speed m/min 70 Mast inclination To To Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COMIII/R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 4,530 backside Overall machine 0 with a standard kelly and the largest bucket Transport width | Max. output torque | kN⋅m | 285 | |
| Crowd force kN 260 Line pull kN 280 Stroke mm 17,100 Main winch Line pull kN 330 Rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Line pull kN 90 Rope diameter mm 20 Max. line speed m/min 70 Max. line speed m/min 70 Max inclination rowspan="2">Eoward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III/R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 4,530 backside Overall machine Overall height mm | Speed of rotation | rpm | 5~24 | |
| Line pull kN 280 Stroke mm 17,100 Main winch Line pull kN 330 Rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Line pull kN 90 Rope diameter mm 20 Max. line speed m/min 70 Mast inclination 70 Material Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest | Crowd system | | | |
| Stroke mm 17,100 Main winch Image: Common of the pull of the pu | Crowd force | kN | 260 | |
| Main winch kN 330 Rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Ine pull kN 90 Rope diameter mm 20 Max. line speed m/min 70 Mast inclination power 5/90 Lateral a 5/90 Lateral a 5/90 Lateral a 44 Main Chassis Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III/R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 4,530 backside Overall machine Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket | Line pull | kN | 280 | |
| Line pull kN 330 Rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Line pull kN 90 Rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket | Stroke | mm | 17,100 | |
| Rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Image: Company of the pull o | Main winch | | | |
| Max. line speed m/min 70 Auxiliary winch Image: Company of the pull of the p | Line pull | kN | 330 | |
| Auxiliary winch kN 90 Rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Rope diameter | mm | 36 | |
| Line pull kN 90 Rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Max. line speed | m/min | 70 | |
| Rope diameter mm 20 Max. line speed m/min 70 Mast inclination S/90 Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Sase engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Auxiliary winch | | | |
| Max. line speed m/min 70 Mast inclination 5/90 Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine Base engine ISUZU AH−6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Line pull | kN | 90 | |
| Mast inclination 5/90 Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Rope diameter | mm | 20 | |
| Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Max. line speed | m/min | 70 | |
| Lateral ° ±4 Main Chassis ISUZU AH-6WG1X Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Mast inclination | | | |
| Main Chassis Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Forward/backward | 0 | 5/90 | |
| Base engine ISUZU AH-6WG1X Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Lateral | 0 | ±4 | |
| Engine power kW/rpm 300/1,800 Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Main Chassis | | | |
| Emission regulation COM III /R96 Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Verall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Base engine | | ISUZU AH-6WG1X | |
| Engine displacement L 15.68 Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Verall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Engine power | kW/rpm | 300/1,800 | |
| Chassis length mm 7,473 Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Emission regulation | | COM III /R96 | |
| Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Engine displacement | L | 15.68 | |
| Extended width mm 4,700 Track shoe width mm 800 Swing radius mm 4,530 backside Overall machine Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Chassis length | mm | 7,473 | |
| Swing radiusmm4,530backsideOverall machineSecond or support of the control of the cont | | mm | 4,700 | |
| Overall machine Downstrain Overall height mm 25,408 Operating weight t 105 with a standard kelly and the largest bucket Transport width mm 3,473 | Track shoe width | mm | 800 | |
| Overall heightmm25,408Operating weightt105with a standard kelly and the largest bucketTransport widthmm3,473 | Swing radius | mm | 4,530 | backside |
| Overall heightmm25,408Operating weightt105with a standard kelly and the largest bucketTransport widthmm3,473 | - | | | |
| Operating weightt105with a standard kelly and the largest bucketTransport widthmm3,473 | | mm | 25,408 | |
| Transport width mm 3,473 | | t | | with a standard kelly and the largest bucket |
| | · | | 3,473 | |
| | Transport height | | 3,611 | |

| Configuration table | Option | | Option | | Option |
|---------------------------------|--------|-----------------------------------|--------|---------------------------------|--------|
| MAST SYSTEM : | | The last three circles limit pro- | | Low temperature preheat unit | • |
| Mast verticality measuring | • | tection function | 0 | Integrated overload protection | • |
| Mast sideward limits | • | CROWD SYSTEM: | | Casing driver | 0 |
| Masthead cylinder | • | Winch crowd system | • | Air-conditioner | • |
| Boom working range measuring | • | Tensioning cylinder | • | Radio | • |
| Cab anticollision protection | • | Upper limit protection function | • | Gradienter | • |
| MAIN WINCH: | | Crowd force measuring | • | Anemometer | 0 |
| Overload measuring | • | ROTARY DRIVE : | | Caution light | 0 |
| Ground touching protection | • | Torque measuring | • | OPERATION SYSTEM: | |
| Freewheel control | • | Speed mesuring | • | 10-inch touch screen | • |
| Fast lowering | • | Multi-gear control system | • | SANY-ADMS control system | • |
| Camera monitoring system | • | MAIN CHASSIS: | | E-Pad | • |
| Speed measuring | • | Oil pressure measuring device | • | Central test point | • |
| Depth measuring | • | All-directional lighting system | • | Fault self-diagnosis system | • |
| Upper limit protection function | • | Slew angle measuring | • | Intelligent construction manag- | |
| The last three circles limit - | | Emergency stop switch | • | ement system | • |
| protection function | 0 | Slew siren | • | All-directional camera monitor- | |
| AUXILIARY WINCH: | | Diesel-electric pump | • | ing system | • |
| Overload measuring | • | Auto centralized lubricating- | | Digital simulation animation | • |
| Upper limit protection function | • | system | • | Auto/manual mast verticality- | |
| | | Auto idle model | • | adjusting | • |

■ Working dimensions



Lowering the mast dimensions



■ Type of kelly bar

| Friction kelly | Weight(kg) | Depth(m) |
|----------------|------------|----------|
| Φ508×6×12 | 12,000 | 61.5 |
| Φ508×6×14 | 13,700 | 75.5 |
| Φ508×6×15 | 14,600 | 81.5 |
| Φ508×6×16 | 15,300 | 87.5 |
| Φ508×6×17 | 15,900 | 93.5 |

| | Standard | \star | Recommended | equipment | |
|-----|---------------|---------|----------------|---------------------|--|
| .1. | Equipped with | +h-o | maximum lanath | Itally har for 6 Em | |

| Inter-locking kelly | Weight(kg) | Depth(m) |
|---------------------|------------|----------|
| Φ508×3×15 | 13,900 | 40 |
| Φ508×4×13 * | 10,900 | 45 |
| Φ508×4×14 | 11,700 | 49 |
| Φ508×4×15 ★ | 12,500 | 53 |
| Φ508×4×16 | 13,100 | 57 |
| Φ508×4×17 • | 13,700 | 61 |



| Main performances | Unit | Parameter | Remark |
|---------------------|--------|----------------------|--|
| Pile | | | |
| Max. pile diameter | mm | 2,500 | |
| Max. pile depth | m | 94/63 | friction kelly/inter-locking kelly |
| Rotary Drive | | | |
| Max. output torque | kN⋅m | 360 | |
| Speed of rotation | rpm | 5~20 | |
| Crowd system | | | |
| Crowd force | kN | 320 | |
| Line pull | kN | 320 | |
| Stroke | mm | 8,000 | |
| Main winch | | | |
| Line pull | kN | 390 | |
| Rope diameter | mm | 36 | |
| Max. line speed | m/min | 60 | |
| Auxiliary winch | | | |
| Line pull | kN | 90 | |
| Rope diameter | mm | 20 | |
| Max. line speed | m/min | 70 | |
| Mast inclination | | | |
| Forward/backward | 0 | 90/15 | |
| Lateral | 0 | ±3 | |
| Main Chassis | | | |
| Base engine | | CAT C-13 | |
| Engine power | kW/rpm | 305/1,800 | |
| Emission regulation | | EU stage Ⅲ/EPA Tier3 | |
| Engine displacement | L | 12.5 | |
| Chassis length | mm | 8,093 | |
| Extended width | mm | 4,400 | |
| Track shoe width | mm | 800 | |
| Swing radius | mm | 5,100 | backside |
| Overall machine | | | |
| Overall height | mm | 26,970 | |
| Operating weight | t | 120 | with a standard kelly and the largest bucket |
| Transport width | mm | 3,000 | |
| Transport height | mm | 3,450 | |
| <u> </u> | | | |

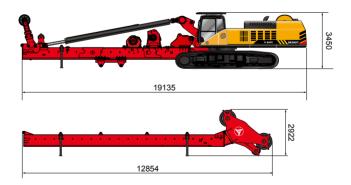
| Configuration table | Option | | Option | | Option |
|---------------------------------|--------|-------------------------------|--------|--------------------------------|--------|
| MAST SYSTEM: | | Crowd winch system | • | Auto idle model | • |
| Mast verticality measuring | • | Tensioning cylinder | • | Low temperature preheat unit | 0 |
| Mast sideward limits | • | Crowd upper limit protection | • | Integrated overload protection | • |
| Outrigger cylinder | • | Crowd force measuring | 0 | Casing driver | 0 |
| Rigging & derigging mode | • | ROTARY DRIVE | | Air-conditioner | • |
| MAIN WINCH: | | Rotating speed measuring | • | Radio | • |
| Overload measuring | • | Multi-gear control system | • | Gradienter | • |
| Ground touching protection | • | MAIN CHASSIS: | | Anemometer | 0 |
| Freewheel control | • | Oil pressure measuring device | • | Caution light | 0 |
| Camera monitoring system | • | lighting | • | OPERATION SYSTEM: | |
| Speed measuring | • | Slew angle measuring | • | Display monitor | • |
| Depth measuring | • | Emergency stop switch | • | EPEC control module | • |
| Upper limit protection function | • | Slew siren | • | Fault self-diagnosis system | 0 |
| AUXILIARY WINCH: | | Diesel-electric pump | • | Rear monitoring system | • |
| Upper limit protection function | • | Auto centralized lubricating | | Auto/manual mast verticality- | - |
| CROWD SYSTEM: | | system | • | adjusting | • |

Standard O Option

Working dimensions



Unassembled state dimensions



■ Type of kelly bar

● Standard ★ Recommended equipment

| Friction kelly | Weight(kg) | Depth(m) |
|----------------|------------|-----------|
| Φ580×6×14 | 16,000 | 73 |
| Φ580×6×16 | 18,300 | 85 |
| Φ580×6×17 | 19,400 | 91 |
| Φ580×6×17.5 | 20,000 | 94 |
| | | |

| Inter-locking kelly | Weight(kg) | Depth(m) |
|---------------------|------------|----------|
| Φ580×4×13 | 14,800 | 45 |
| Φ580×4×14 | 15,800 | 49 |
| Φ580×4×16 ★ | 17,700 | 57 |
| Φ580×4×17 | 18,700 | 61 |
| Φ580×4×17.5 ● | 19,200 | 63 |

27 ROTARY DRILLING RIG(CAT)

Sany SCG150E8 casing oscillator is suitable for various models of rotary drilling rigs (please contact with sany for the using way).

Greater embedding pressure can be achieved by Casing oscillator instead of Casing Drive Adapter, casing can be embedded evenin hard layers.

Casing oscillator owns such merits as strong adaptability to geology, high quality of completed pile, low noise, no mud contamination, slight influence to former foundation, easy control, low cost, etc.

It owns advantages in following geological conditions: instable layer, underground slip layer, underground river, rock formation,old pile, erratic boulder, quicksand, foundation of emergency and temporary building.

| Main performances | Unit | Parameter | Remark |
|---------------------------|------|-----------|--------|
| Overall parameters | | | |
| Overall length | mm | 4,965 | |
| Overall width | mm | 2,680 | |
| Overall height | mm | 1,635 | |
| weight | t | 15 | |
| Working parameters | | | |
| Casing diameter | mm | 1,500 | |
| Operating pressure | MPa | 32 | |
| Max. torque | kN⋅m | 2,400 | |
| Stroke | mm | 500 | |
| Max. lifting force | kN | 1,950 | |
| Clamping force | kN | 1,600 | |
| Rotation angle | 0 | 25 | |
| Travel of casing | mm | 327 | |
| Height of calmping collar | mm | 550 | |



SANY SRF series desander used to clean and purify slurry in piling construction carried out in sandy stratum has the properties of simple operation, easy maintenance, environmental protection. Double screen mesh was adopted in filter system to improve working efficiency by 50% compared with the traditional single mesh one. It is characterized of outstanding cleaning and purifying ability, long service life and high reliability.

| Main performances | Unit | SRF100 | SRF250 |
|----------------------|------|--------|--------|
| Overall parameters | | | |
| Overall length | mm | 3,000 | 3,500 |
| Overall width | mm | 2,000 | 2,200 |
| Overall height | mm | 2,400 | 2,800 |
| weight | kg | 3,500 | 5,200 |
| Working parameters | | | |
| Slurry feed capacity | m³/h | 100 | 250 |
| Cut point | μM | 50 | 60 |
| Solids feed capacity | T/h | 25~50 | 25~80 |
| Power | kW | 24.2 | 58 |



29 CASING OSCILLATOR

■ C10 ROTARY DRILLING RIG



SR155C10 Max. Drilling Depth: 56m Max. Drilling Dia. : 1,500mm



SR205C10 Max. Drilling Depth: 64m Max. Drilling Dia.: 1,800mm



SR235C10 Max. Drilling Depth: 68m



SR265C10 Max. Drilling Depth: 73m



SR285RC10 Max. Drilling Depth: 94m Max. Drilling Dia.: 2,300mm(specific) Max. Drilling Dia.: 2,500mm(specific) Max. Drilling Dia.: 2,500mm(specific)



Max. Casing diameter: 1,500mm Max. Torque: 2,400kN.m



Desander

SRF50~SRF500 Slurry feed capacity: 50~500m³/h Solids feed capacity: 26~240T/h



SR360RC10 Max. Drilling Depth: 106m Max. Drilling Dia.: 3,000mm(specific) Max. Drilling Dia.: 2,700mm



SR365RC10 Max. Drilling Depth: 106m



Max. Drilling Depth: 112m Max. Drilling Dia.: 2,800mm

■ C10 ROTARY DRILLING RIG



SR235W10 Max. Drilling Depth: 68m Max. Drilling Dia.: 2,000mm



SR285RW10 Max. Drilling Depth: 93.5m Max. Drilling Dia.: 2,200mm

■ ROTARY DRILLING RIG(CAT)



SR360 Ⅲ Max. Drilling Depth: 94m Max. Drilling Dia.: 2,500mm

31 MAIN PRODUCTS OF BEIJING SANY









Advantages of Sany Kelly bar



1. Time verified

Verified by long time using, economic and high efficient, Sany Kelly bar has been widely used in the civil foundation construction.

2. More reliable

With the most advanced welding robots, CNC automatic cutting machines and other advanced equipments, high components precision and welding quality guarantee high reliability.

3. Longer service life

Specific debugging filed is established to simulate real Kelly bar working conditions to analyze and improve key parts, like the drive key service life is significantly increased with Sany self developed high strength anti-wearing steel.

4. Optimized structure

Static analysis, dynamic analysis and fatigue analysis are taken with the most advanced analysis software like ANSYS and ADAMS during the designing process, which optimize Kelly bar with lighter weight and better structure without any missing of the design requirements. Dozens of patents have been applied by Sany in this field which keeps Sany's leading position in China.

Drilling tools

SANY can supply with all kinds of standard drilling tools, including DBB-II, DBB-III, CB and so on. For special geological conditions, SANY can also provide special drilling tools accordingly to improve working efficiency. The latest special drilling tools developed by SANY are as follows:

• Pilot drilling bucket

Integrate bailing bucket and barrel; The design of arc reinforcing plate, outside of reinforcing plate welded with transition bending plate; Hinge is made of high tension steel;

Applicable layers: cave, occlusal pile.



Core barrel with centralizer

Suitable for stage drilling of large diameter bore hole; The cutting teeth and roller bits are interchangeable; Centralizer supports the hole wall to avoid drilling an

Applicable layers: medium or slightly decomposed bedrock, hard or superhard bedrock.



Underreaming bit

Driven by hydraulic cylinder, it can meet the requirements of different pile holes; The whole process of lowering drilling tool, drilling and lifting drilling tool is visible; the design of pressure plate is convenient for dumping slag;

It is suitable for drilling soil, highly weathered hard rock and medium weathered rock soft.



Cross-shaped core barrel

Core barrel with cross-typed guide plates in thecentre; During annular cutting, guide plates mill down therocks; The capacity of soil conveying and orientation is better than common barrels:

Applicable layers: backfill, pebble layer and highly ormedium decomposed dipping formation.



Sany drilling teeth

Compare with other drilling teeth, SANY drilling teeth features the following characteristics:

Better material. After many times of material testing, the wear resistance and the strength of SANY teeth are more than 30% higher than the general products in the market.

Construction based designing. SANY V20 drilling teeth has larger cutting angle and has higher working efficiency, SANY drilling bullet is more adaptive to pebble, gravel and soft rock geological formations.













33 SANY KELLY BAR AND DRILLING TOOLS

CONSTRUCTION CASES

No matter what kind of terrain environment, Sany rotary drilling rig can work easily.

With characteristics of wide application, high construction efficiency, stable performance, excellent service, environmental protection and energy saving, Sany rotary drilling rigs are widely used in pile foundation of civil engineering, high-speed rail, highway, bridge, airport, water conservancy and hydropower engineering, etc.

No matter in city, desert, snow, mountain or river, with suitable drilling head and construction method, all construction issues can be

resolved easily by Sany rotary drilling rigs.



35 CONSTRUCTION CASES

Service Network/Parts Warehouses

- Parts Warehouses
- Service Network

SERVICE COMMITMENTS



One machine one parts manual. Global service inspection patrolling is carried out every season.

One month's special service for new machine, including new machine assembling, commissioning, delivery inspection and operator training.

Professional training for oversea clients holds in China twice a year.

Provide service cards and service stickers, set up Global Customer Support Hotline and Global Customer Support Email.

At present, the sales and service system has been established in 30 countries. 280 overseas customer support engineers are working overseas.

Set up 22 oversea parts warehouses, with more than 3,000 kinds of spare parts can be selected by customers.



Global Customer Support Hotline: 0086-4006-09-8318
Global Customer Support Email: crd@sany.com.cn

37 SERVICE COMMITMENTS

NOTE