









Follow us on Wechat and contact us Support hotline. 4006 09 8318 Email: crd@sany.com.cn ■ Max. drilling diameter

2.2/1.9m

Max. drilling depth

94/61m

Rated output torque

285kN·m

■ Engine power

300kW/1800rpm





Pile Max. drilling diameter mm 2200/1900 ① Max. drilling depth m 94/61 ② Rotary drive Rated output torque kN ⋅ m 285 Rotation Speed rpm 5~24 Crowd system Crowd force kN 260 Line pull kN 355 Stroke mm 17100 Main winch Lifting capacity kN 330 Wire rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Lifting capacity kN 90 Wire rope diameter mm 20 Max. line speed m/min 70 Max. line speed m/min 70 Maxin chination Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96	Main performances	Unit	Parameter	Remark
Max. drilling depth m 94/61 ② Rotary drive Rated output torque kN·m 285 Rotation Speed rpm 5-24 Crowd system Crowd force kN 260 Line pull kN 355 Stroke mm 17100 Main winch Lifting capacity kN 330 Wire rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Lifting capacity kN 90 Wire rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Pile			
Rotary drive Rated output torque kN·m 285 Rotation Speed rpm 5~24 Crowd system Crowd force kN 260 Line pull kN 355 Stroke mm 17100 Main winch Lifting capacity kN 330 Wire rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Lifting capacity kN 90 Wire rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Max. drilling diameter	mm	2200/1900	1
Rated output torque kN · m 285 Rotation Speed rpm 5~24 Crowd system KN 260 Line pull kN 355 Stroke mm 17100 Main winch Lifting capacity kN 330 Wire rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Lifting capacity kN 90 Wire rope diameter mm 20 Max. line speed m/min 70 Max. line speed "Supplies to speed 5/90 Lateral "Supplies to speed *	Max. drilling depth	m	94/61	2
Rotation Speed rpm 5~24 Crowd system kN 260 Line pull kN 355 Stroke mm 17100 Main winch Lifting capacity kN 330 Wire rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Lifting capacity kN 90 Wire rope diameter mm 20 Max. line speed m/min 70 Max. line speed "Supplies to speed 5/90 Lateral "Supplies to speed * Supplies t	Rotary drive			
Crowd system Crowd force kN 260 Line pull kN 355 Stroke mm 17100 Main winch Lifting capacity kN 330 Wire rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Lifting capacity kN 90 Wire rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward	Rated output torque	kN · m	285	
Crowd force kN 260 Line pull kN 355 Stroke mm 17100 Main winch Lifting capacity kN 330 Wire rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Lifting capacity kN 90 Wire 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 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Rotation Speed	rpm	5~24	
Line pull kN 355 Stroke mm 17100 Main winch Lifting capacity kN 330 Wire rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Lifting capacity kN 90 Wire rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ±4 Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Crowd system			
Stroke mm 17100 Main winch Lifting capacity kN 330 Wire rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Lifting capacity kN 90 Wire rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ±4 Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Crowd force	kN	260	
Main winchkN330Lifting capacitykN330Wire rope diametermm36Max. line speedm/min70Auxiliary winchLifting capacitykN90Wire rope diametermm20Max. line speedm/min70Mast inclinationForward/backward°5/90Lateral°± 4Main ChassisBase engine/ISUZU 6WG1Engine powerkW/rpm300/1800Emission regulation/COM III /R96Engine displacementL15.68Chassis lengthmm7475Extension widthmm4760Track shoe widthmm800Swing radiusmm4530Overall machineOverall heightmm25410Operating weightt105Transport widthmm3475	Line pull	kN	355	
Lifting capacity kN 330 Wire rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Lifting capacity kN 90 Wire rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ±4 Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Stroke	mm	17100	
Wire rope diameter mm 36 Max. line speed m/min 70 Auxiliary winch Lifting capacity kN 90 Wire rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ±4 Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Main winch			
Max. line speed m/min 70 Auxiliary winch Lifting capacity kN 90 Wire rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ±4 Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Lifting capacity	kN	330	
Auxiliary winch Lifting capacity kN 90 Wire rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Wire rope diameter	mm	36	
Lifting capacity kN 90 Wire rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ±4 Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Max. line speed	m/min	70	
Wire rope diameter mm 20 Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ±4 Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Auxiliary winch			
Max. line speed m/min 70 Mast inclination Forward/backward ° 5/90 Lateral ° ± 4 Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Lifting capacity	kN	90	
Mast inclination 5/90 Forward/backward 5/90 Lateral ±4 Main Chassis ISUZU 6WG1 Base engine / ISUZU 6WG1 Engine power kW/rpm Emission regulation / COM III /R96 Engine displacement L Chassis length mm Track shoe width mm Track shoe width mm Swing radius mm Overall machine Overall height mm Operating weight t Transport width mm 3475	Wire rope diameter	mm	20	
Forward/backward ° 5/90 Lateral ° ±4 Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Max. line speed	m/min	70	
Signature Sign	Mast inclination			
Main Chassis Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Forward/backward	0	5/90	
Base engine / ISUZU 6WG1 Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Lateral	0	±4	
Engine power kW/rpm 300/1800 Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Main Chassis			
Emission regulation / COM III /R96 Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Base engine	/	ISUZU 6WG1	
Engine displacement L 15.68 Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Engine power	kW/rpm	300/1800	
Chassis length mm 7475 Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Emission regulation	1	COM III /R96	
Extension width mm 4760 Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Engine displacement	L	15.68	
Track shoe width mm 800 Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Chassis length	mm	7475	
Swing radius mm 4530 Overall machine Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Extension width	mm	4760	
Overall machine25410Overall heightmm25410Operating weightt105Transport widthmm3475	Track shoe width	mm	800	
Overall height mm 25410 Operating weight t 105 Transport width mm 3475	Swing radius	mm	4530	
Operating weight t 105 Transport width mm 3475	Overall machine			
Transport width mm 3475	Overall height	mm	25410	
·	Operating weight	t	105	
Transport height mm 3610	Transport width	mm	3475	
	Transport height	mm	3610	

1): uncased/cased

2: friction kelly depth / interlocking kelly depth

K	elly bar	Weight(Kg)	Depth(m)	Option
Inter-	Φ508×3×15	12400	40	
locking	Φ508×4×16	13100	57	
kelly	Ф508×4×17	13900	61	Standard
Friction	Ф508×6×16	15300	88	
kelly	Ф508×6×17	15900	94	



High efficiency: Large core parameters such as high torque and crowd force; fast line speed of main rope to ensure high drilling efficiency in hard soil layer; it is suitable for overpass, high-speed rail, large buildings and other large hole foundation fields.

Full stroke crowd: Adopt winch crowd system with 17-meter super long stroke, fast crowding, rotary drive display function, suitable for all casing construction in beach, pebble and backfill formation.

Economy and energy saving: Power optimization control technology is adopted to distribute power in real time with smooth and fast response of composite action; Moreover, it has high fuel efficiency and low comprehensive fuel consumption.

Step drum: Adopt step drum structure with single layer to realize no crushing, no wear, and increase the service life of wire rope by 35%. High reliability: 6th–generation new material 445 Kelly bar, integrated locking device, drilling capacity increased by 25%.

Intelligent upgrade: HD touch screen, 3ms refresh frequency, smooth animation display.

Convenient maintenance: High-mounted rotary drive key bar, the exposed oil outlet hose of reducer, easy to service; double access doors provide large maintenance space.

