



SR285R

Euro 5 machine, All in one

流

SANY 品质改变世界

SR285R

M系旋挖钻机

产品特点
Product features

— 机身重：机身重约40吨，结构强度高，稳定性好，使用寿命长。
— 作业效率：采用先进的液压系统，作业效率高，节省成本。
— 操作方便：采用先进的操作系统，操作方便，降低操作难度。
— 维护简单：采用先进的维护系统，维护简单，降低维护成本。
— 安全可靠：采用先进的安全系统，安全可靠，保障操作人员的安全。

— 最大钻孔直径：2.2m
— 最大钻孔深度：94/61m
— 额定输出扭矩：285kN·m
— 发动机功率：345kW/1,800rpm
— 工作重量：40t

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QUALITY CHANGES THE WORLD



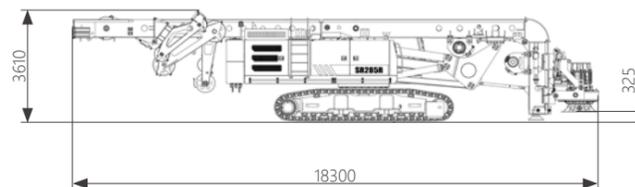
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Support hotline: 4006 09 8318
Email: crd@sany.com.cn

- Max. drilling diameter 2.2m
- Max. drilling depth 94/61m
- Rated output torque 285kN·m
- Engine power 345kW/1,800rpm

Main performances	Unit	Parameter	Remark
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	5~27	
Crowd system			
Crowd force	kN	260	
Line pull	kN	335	
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 carrier	/	TAD1383VE	VOLVO
Engine power	kW/rpm	345/1800	
Emission regulation	/	Stage V	
Engine displacement	L	12.78	
Chassis length	mm	7590	
Extension width	mm	4760	
Track shoe width	mm	800	
Swing radius	mm	4650	
Overall machine			
Overall height	mm	25410	
Operating weight	t	108	
Transport width	mm	3475	
Transport height	mm	3610	

①: uncased/cased
②: friction kelly depth/interlocking kelly depth

Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking kelly	Φ508×3×17	13600	40
	Φ508×4×16	13400	57
	Φ508×4×17	14100	61
Friction kelly	Φ508×4×12	15000	88
	Φ508×4×13	15800	94



High efficiency drilling: The preferred model in the field of hard soil and rock layer construction, smooth compound movement control, adjustable torque and rotation speed of rotary drive, suitable for different kinds of geological conditions and construction methods.

Strong power: Volvo TAD1181VE (Euro 5) fully satisfies EU emission regulations, offering long lasting, stable and reliable power output with low fuel consumption.

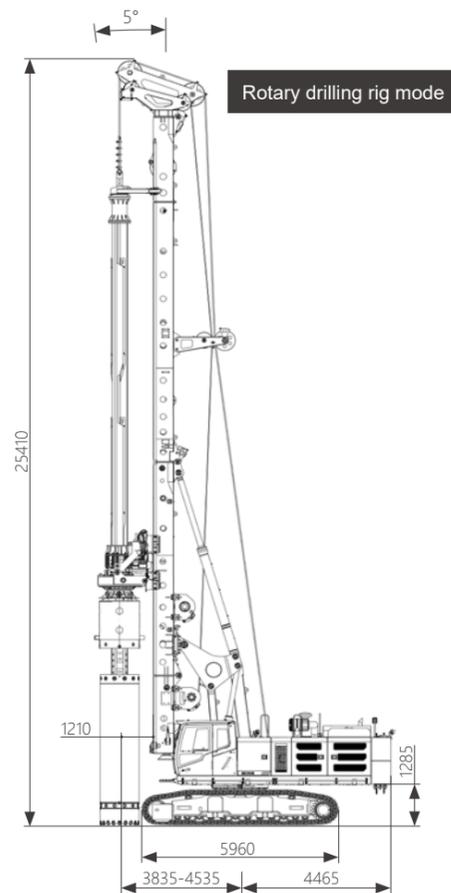
Full stroke crowd system: 17m extra-long stroke, featuring fast crowding and pulling function, suitable for long casing construction in beach, pebble, backfill formation.

Kelly visualization: Real-time display the location of the locking device while using the inter-lock Kelly bar, avoiding accidental damage.

Floating pretension function: The wire rope is always tensioned while working, extending the service life of it.

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

Centralized lubricating system: Grease in fixed quantity at fixed time, keep the machine in well-lubricated state.



Low headroom	Unit	Parameter	Remark
Pile			
Max. drilling diameter	mm	2200	
Max. drilling depth	m	34	①/②
Rotary drive			
Rated output torque	kN·m	285	
Rotation speed	rpm	5~27	
Crowd system			
Crowd force	kN	260	
Line pull	kN	330	
Stroke	mm	4500	
Overall machine			
Overall height	mm	13240	①
Overall height	mm	11270	②
Operating weight	t	83	

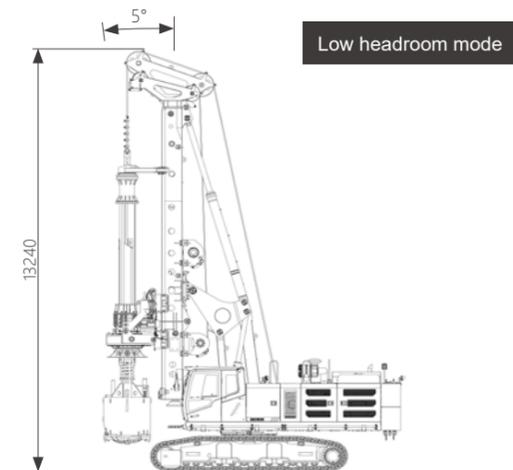
Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking kelly	Φ508×5×8	7708	34 standard

Note: ① the higher location of boom.
② the lower location of boom.
③ the other depth of kelly bar and diameter will be satisfied through custom-made.

Low headroom mode: Standard mode can quickly switch to low headroom mode, the overall height is only 13.2m.

CFA mode: Directly switch to CFA mode by changing a few parts, such as dedicated pulley yoke, balancing rope device, Auger cleaner etc.

Customized construction method: displacement pile device, deeply stirring by single shaft, CCFA were needed to be pre-order.



CFA mode	Unit	Parameter	Remark
Pile			
Max. drilling diameter	mm	1200	
Max. drilling depth	m	27	
Rotary drive			
Rated output torque	kN·m	285	
Rotation speed	rpm	5~27	
Crowd system			
Crowd force	kN	260	
Line pull	kN	330	
Stroke	mm	19000	
Main winch			
CFA Max.Lifting	kN	1320	
Wire rope diameter	mm	36	
Max. line speed	m/min	17.5	
Overall machine			
Overall height	mm	31740	
Operating weight	t	108	

