



SR235

Euro 5 machine, All in one



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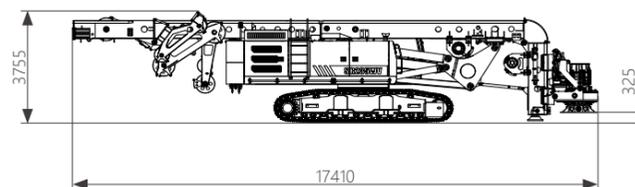
- Max. drilling diameter 2.0m
- Max. drilling depth 73/58m
- Rated output torque 235kN·m
- Engine power 265kW/2,000rpm



Main performances	Unit	Parameter	Remark
Pile			
Max. drilling diameter	mm	2000/1500	①
Max. drilling depth	m	73/58	②
Rotary drive			
Rated output torque	kN·m	235	
Rotation speed	rpm	5~30	
Crowd system			
Crowd force	kN	210	
Line pull	kN	270	
Stroke	mm	15000	
Main winch			
Lifting capacity	kN	235	
Wire rope diameter	mm	32	
Max. line speed	m/min	70	
Auxiliary winch			
Lifting capacity	kN	80	
Wire rope diameter	mm	20	
Max. line speed	m/min	70	
Mast inclination			
Forward/backward	°	5/90	
Lateral	°	±3	
Main Chassis			
Base carrier	/	TAD1181VE	VOLVO
Engine power	kW/rpm	265/2000	
Emission regulation	/	Stage V	
Engine displacement	L	10.84	
Chassis length	mm	7490	
Extension width	mm	4500	
Track shoe width	mm	800	
Swing radius	mm	4600	
Overall machine			
Overall height	mm	24060	
Operating weight	t	83	
Transport width	mm	3550	
Transport height	mm	3755	

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

Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking kelly	Φ445×3×15	10300	40 Standard
	Φ445×4×15	11000	54
	Φ445×4×16	11520	58
Friction kelly	Φ445×5×15	10900	68
	Φ445×5×16	11500	73



High efficiency drilling: The preferred model in the field of 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.

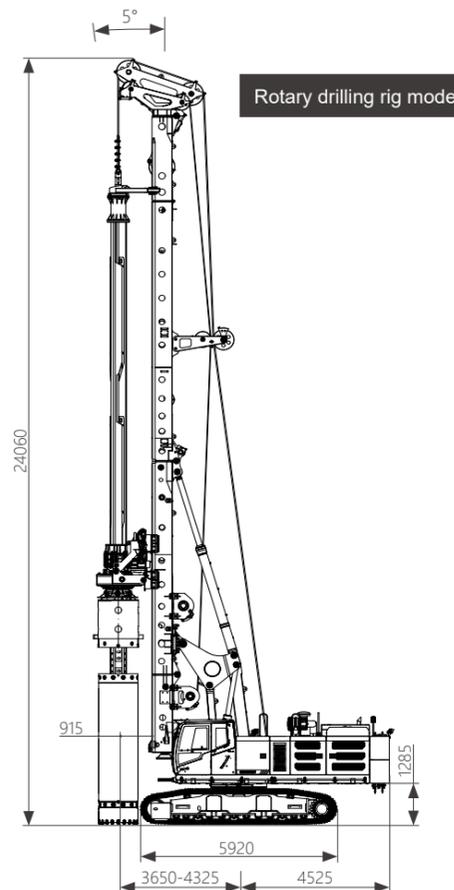
Full stroke crowd system: 15m extra-long stroke, featuring fast crowding and pulling function, suitable for long casing construction in beach, pebble, backfill formation.

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	2000	
Max. drilling depth	m	34/24	①/②
Rotary drive			
Rated output torque	kN·m	235	
Rotation speed	rpm	5~30	
Crowd system			
Crowd force	kN	210	
Line pull	kN	270	
Stroke	mm	5900	
Overall machine			
Overall height	mm	13220	①
Overall height	mm	11220	②
Operating weight	t	65	

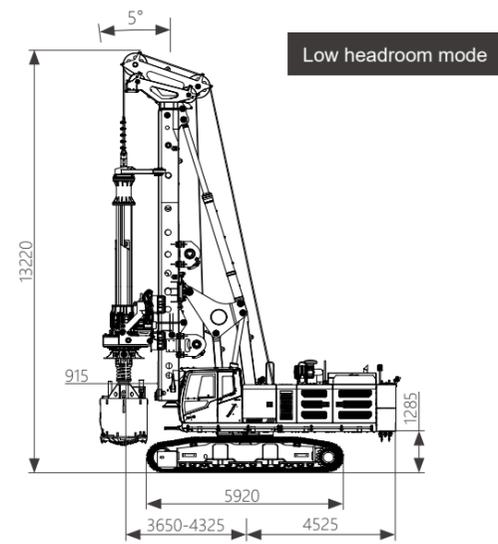
Kelly bar	Weight(Kg)	Depth(m)	Option
Friction kelly	Φ445×5×6	4810	24 standard
	Φ445×5×8	5500	34 ③

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.

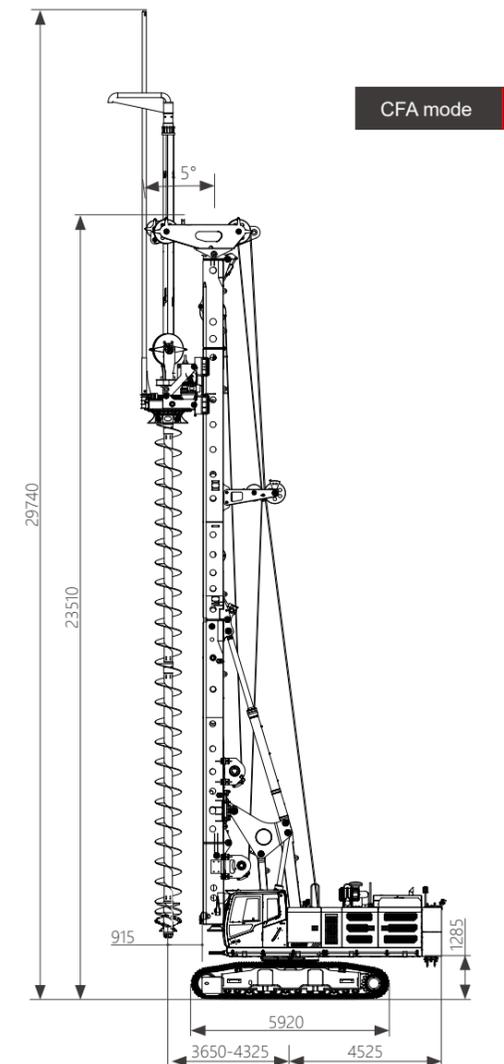
Low headroom mode: Standard mode can quickly switch to low headroom mode, the overall height is only 13.2m.

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	1000	
Max. drilling depth	m	25.5	
Rotary drive			
Rated output torque	kN·m	235	
Rotation speed	rpm	5~30	
Crowd system			
Crowd force	kN	210	
Line pull	kN	270	
Stroke	mm	17000	
Main winch			
CFA Max.Lifting	kN	1100	
Wire rope diameter	mm	32	
Max. line speed	m/min	17.5	
Overall machine			
Overall height	mm	29740	with pipe
Operating weight	t	85	



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