

Rotary Drilling Rig	Metric	Imperial
Pile		
Max. drilling diameter	2200 mm	87 in
Max. drilling depth ①	94/61 m	308/200 ft
Rotary drive		
Rated output torque	285 kN·m	210205 lbf·ft
Rotation speed	5~27 rpm	5~27 rpm
Spin-off	56 rpm	56 rpm
Crowd system		
Crowd force	265 kN	59574 lbf
Line pull	355 kN	79807 lbf
Stroke	17100 mm	673 in
Main winch		
Lifting capacity	325 kN	73063 lbf
Wire rope diameter	36 mm	1.42 in
Max. line speed	70 m/min	230 ft/min
Auxiliary winch		
Lifting capacity	90 kN	20233 lbf
Wire rope diameter	20 mm	0.79 in
Max. line speed	70 m/min	230 ft/min
Mast inclination		
Forward/backward	5/90 °	5/90 °
Lateral	±3 °	±3 °
Main chassis		
Engine model	Cummins X12	Cummins X12
Engine power ISO 3046-1	336 kW/1800 rpm	450 HP/1800 rpm
Emission regulation	EEC 97/68 EC	EPA /CARB
	Stage V/Tier4 final	
Fuel tank capacity	600 L	159 US gal
AD Blue tank capacity	45 L	12 US gal
Width retracted/extended	3460-4760 mm	136-187 in
Track shoe width	800 mm	32 in
Swing radius	4680 mm	184 in
Overall machine		
Overall height	25140 mm	990 in
Operating weight ②	105000 kg	231485 lb
Transport width	3500 mm	138 in
Transport height	3610 mm	146 in
Transport Length	19000 mm	748 in

①: Friction kelly / inter-locking kelly

②: with standard kelly

Kelly bar		Weight	Depth	Option
Inter-locking kelly	Φ508×4×16	13400 kg	57 m	Standard
		29542 lb	187 ft	
	Φ508×4×17	14100 kg	61 m	
		31085 lb	200 ft	
Friction kelly	Φ508×6×16	15000 kg	88 m	
		33069 lb	289 ft	
	Φ508×6×17	15800 kg	94 m	
		34833 lb	308 ft	

Note: Drilling depth with bucket 1000 mm long

## MULTI-FUNCTION, CONVENIENT SWITCHING

**Multi-function:** fast switchover to meet the diverse construction methods, such as CFA, SCM, long casing, low headroom, super large hole, etc., .

**High efficiency:** fast main winch line speed, fast rotary drive speed of throwing off soil, enabling the high efficiency on soil layer drilling, the optional spin-off drive can greatly improve the efficiency; the pressure and torque are automatically matched, and the rock layer drilling is more efficient.

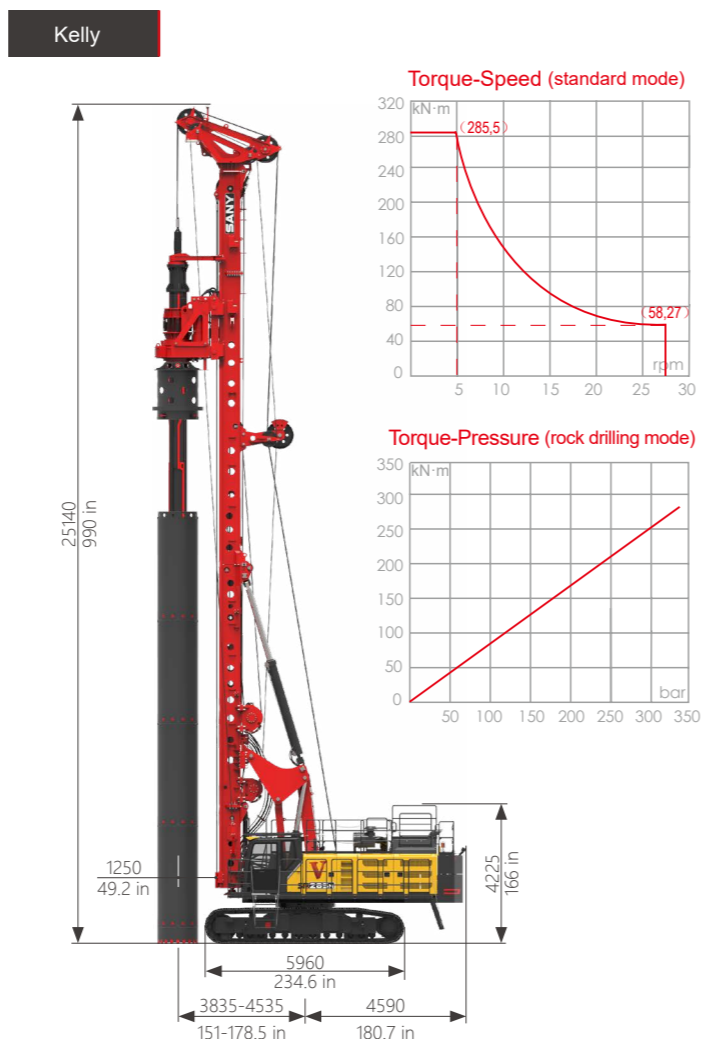
**Safety and comfort:** ROPS cab; equipped with air suspension seat; front window large wipers and top large sunroof, providing wider vision; full action remote control function, ensuring the operations of loading and unloading the machine, assembly and disassembly are safer.

**High intelligence:** L3 level assistance system reducing operation intensity and improving construction efficiency; freefall pre-tensioning and locking device simulation display, solving the problem of blind drilling; self-developed grouting management system, enabling accurate display and storage of construction data.

**Intelligent control:** the locking device visualization technology shows the locking and unlocking process, to reduce Kelly bar wear and accidents. EVI mobile phone exclusive APP, remote monitoring equipment location, efficiency, fuel consumption, etc., one-key service call more convenient.

**Fast disassembly & assembly:** counterweight self-disassembly, rotary drive crowd sledge self-positioning and disassembly, masthead and upper mast automatic folding, foldable railings, facilitating disassembly and transportation.

**Easy to maintain:** ladders on both sides of the upper carriage, automatic central lubrication system, self-diagnosis technology, facilitating maintenance.

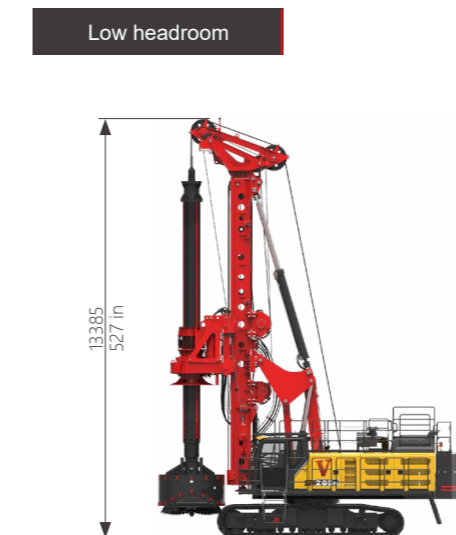


Low headroom	Metric	Imperial
Pile		
Max. drilling diameter	2200 mm	87 in
Rotary drive		
Rated output torque	285 kN·m	210205 lbf·ft
Rotation speed	5~27 rpm	5~27 rpm
Crowd system		
Crowd force	265 kN	59574 lbf
Line pull	355 kN	79807 lbf
Stroke	4600 mm	181 in
Low headroom-12m ▲		
Overall height ④	13385 mm	527 in
Overall height ⑤	13240 mm	521 in
Operating weight	88000 kg	194007 lb

Kelly bar		Weight (kg)	Depth (m)	Weight (lb)	Depth (ft)	Option
Inter-locking kelly	Φ508×5×5	7710	25	16998	82	▲
	Φ508×5×6	9250	30	20393	98	■

**Note:** ④ the higher location of boom.

⑤ the lower location of boom.



CFA mode	Metric	Imperial
Pile		
Max. drilling diameter	1200 mm	47 in
Max. drilling depth	25/28.7 m	88/94.2 ft
Rotary drive		
Rated output torque	285 kN·m	210205 lbf·ft
Rotation speed	5~27 rpm	5~27 rpm
Main winch		
CFA Max.Lifting	1000 kN	224810 lbf
Wire rope diameter	36 mm	1.42 in
Overall machine		
Overall height	33060 mm	1302 in
Operating weight	111000 kg	244713 lb

