

SR275E

Main performances		Unit	Parameter	
	Pile			
	Max. drilling diameter	mm	2200	
	Max. drilling depth	m	58/73 ①	
	Rotary drive			
	Rated output torque	kN·m	275	
	Rotation speed	rpm	7-31	
	Power	kW	240	
	Crowd system			
	Crowd force push	kN	240	
	Crowd force pull	kN	280	
	Stroke	mm	5000	
	Main winch			
	Line pull	kN	310	
	Wire rope diameter	mm	32	
	Max. line speed	m/min	70	
	Power	kW	215	
	Auxiliary winch			
	Line pull	kN	80	
	Wire rope diameter	mm	20	
	Max. line speed	m/min	70	
	Mast inclination			
	Forward/backward	°	5/90	
	Lateral	°	±3	
	Chassis			
	Base engine	/	YCA08300-T400	
	Engine power	kW/rpm	221/2200	
	Exhaust emission	/	China IV	
	Engine displacement	L	7.5	
	Aftertreatment	/	SCR+DOC+DPF	
	Battery capacity	kWh	140	
	Extension width	mm	4500	
	Track shoe width	mm	800	
	Swing radius	mm	4525	
		Plug in system		
		rated voltage	V	380
rated current		A	350	
Number of interfaces		per	1	
Cable specifications			SHD-EUR-0.6/1kV-3×70+3×25/3	
	Overall machine			
	Overall height	mm	23890	
	Operating weight	t	86	
	Transport width	mm	3540	
	Transport height	mm	3845	
	Transport length	mm	17250	

Kelly bar	Weight(Kg)	Depth(m)	
	Φ445×4×14	10000	50
	Φ445×4×15	10600	54
	Φ445×4×16	11000	58 ②
	Φ445×5×15	10900	68
	Φ445×5×16	11500	73

Note:

①: inter-locking Kelly / friction Kelly depth

②: standard

Intelligent Hybrid & Innovation Leader - SR275E is characterized by high efficiency, intelligent control, safety & reliability, energy saving and eco-friendly. It is widely used in municipal, housing, venue construction and other infrastructure projects.

Worry-free power: plug-in mode is suitable for providing stable external utility power; hybrid mode is suitable for remote areas without stable external power; power battery mode is suitable for transferring machine for service, and the power modes are automatically matched and switched.

Excellent performance: innovative research and development of Sany's special electronic control system and energy matching technology ensures abundant power and efficient transmission; the main winch, upper carriage, rotary drive and other key components all achieve fully motorized operation, engineered to be responsive, fast and strong, increasing comprehensive construction efficiency by more than 30%.

Economy: high-efficiency potential energy recovery technology realizes the balance of energy efficiency, and the pure electric mode has zero emission, low noise, and reduces the cost of energy consumption by 70%.

Intelligent control: ultra-thin high-definition touch screen and professional human-computer interaction system facilitate the work of the operator.

Stable performance: the quality of special heavy-duty reducer, motor and other key components is reliable, the whole machine is reasonably configured and stable.

Safety and reliability: high-voltage protection, intelligent temperature control, plug-in safety detection, emergency stop switch and IP67 protection level, the whole machine meets the international functional safety standards.

