



Pile Winch Cylinder Winch Cylinder Max. drilling diameter 1300mm 1500mm 51 in 59 in Max. drilling depth ⊕ 61/47.5 m 200/156 ft Rotary drive Rated output torque 185 kN·m 136449 lbf·ft Rotation speed 5~31/120 rpm 5~31/120 rpm Crowd system Winch Cylinder Crowd force 180 kN 200 kN 40466 lbf 44962 lb Line pull 180 kN 140 kN 40466 lbf 31473 lb Stroke 15000mm 5200mm 591 in 205 in Rope diameter 20 mm / 0.78 in / Standard mode(push/pull) 7 m/min 4.5/9.5 m/min 23 ft/min 14.8/31 m/min Fast mode(push/pull) 21 m/min / 69 ft/min / Lifting capacity 185 kN 41590 lbf Wire rope diameter 28 mm 1.1 in Auxiliary winch 246 ft/min Lifting capacity 80 kN 17985 lbf	Determ Deilling Die					
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Rotary drive Rated output torque 185 kN·m 136449 lbf·ft Rotation speed 5~31/120 rpm 5~31/120 rpm 5~31/120 rpm Crowd system Winch Cylinder Winch Cylinder Crowd force 180 kN 200 kN 40466 lbf 44962 lb Line pull 180 kN 140 kN 40466 lbf 31473 lb Stroke 15000mm 5200mm 591 in 205 in Rope diameter 20 mm / 0.78 in / Standard mode(push/pull) 7 m/min 4.5/9.5 m/min 29 ft/min / Standard mode(push/pull) 21 m/min / 69 ft/min / Standard mode(push/pull) 7 m/min / 69 ft/min / Standard mode(push/pull) 21 m/min / 69 ft/min / Standard mode(push/pull) 21 m/min / 69 ft/min / Wire robe diameter 28 mm 1.1 in 1.1 in / Max. line speed 75 m/min 246 ft/min 0.79 in	Max. drilling diameter	1300mm	1500mm			
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Rotation speed 5~31/120 rpm 5~31/120 rpm 5~31/120 rpm Crowd system Winch Cylinder Winch Cylinder Crowd force 180 kN 200 kN 40466 lbf 44962 lb Line pull 180 kN 140 kN 40466 lbf 31473 lb Stroke 15000mm 5200mm 591 in 205 in Rope diameter 20 mm / 0.78 in / Standard mode(push/pull) 7 m/min 4.5/9.5 m/min 23 ft/min 14.8/31 m/min Fast mode(push/pull) 21 m/min / 69 ft/min / Main winch 28 mm 1.1 in / Lifting capacity 185 kN 41590 lbf / Wire rope diameter 28 mm 1.1 in / Auxiliary winch 20 mm 0.79 in / Lifting capacity 80 kN 17985 lbf / Wire rope diameter 20 mm 0.79 in / Max. line speed 75 m/min 246 ft/min Mast inclinat	Rotary drive					
Crowd system Winch Cylinder Winch Cylinder Crowd force 180 kN 200 kN 40466 lbf 44962 lb Line pull 180 kN 140 kN 40466 lbf 31473 lb Stroke 15000mm 5200mm 591 in 205 in Rope diameter 20 mm / 0.78 in / Standard mode(push/pull) 7 m/min 4.5/9.5 m/min 23 ft/min 14.8/31 m/min Fast mode(push/pull) 21 m/min / 69 ft/min / Main winch 185 kN 41590 lbf / Wire rope diameter 28 mm 1.1 in / Max. line speed 75 m/min 246 ft/min / Auxiliary winch 20 mm 0.79 in / Max. line speed 75 m/min 246 ft/min / Max. line speed 75 m/min 246 ft/min / Mast inclination 5/90 ° 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Engine power ISO	Rated output torque	185 kN·m		136449 lbf·ft		
Crowd force 180 kN 200 kN 40466 lbf 44962 lb Line pull 180 kN 140 kN 40466 lbf 31473 lb Stroke 15000mm 5200mm 591 in 205 in Rope diameter 20 mm / 0.78 in / Standard mode(push/pull) 7 m/min 4.5/9.5 m/min 23 ft/min m/min 14.8/31 m/min Fast mode(push/pull) 21 m/min / 69 ft/min / Main winch 28 mm 1.1 in / Max. line speed 75 m/min 246 ft/min Auxiliary winch 20 mm 0.79 in Lifting capacity 80 kN 17985 lbf Wire rope diameter 20 mm 0.79 in Max. line speed 75 m/min 246 ft/min Mast inclination 5/90 ° 5/90 ° Forward/backward 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm	Rotation speed	5~31/1	20 rpm	5~31/1	20 rpm	
Line pull 180 kN 140 kN 40466 lbf 31473 lb Stroke 15000mm 5200mm 591 in 205 in Rope diameter 20 mm / 0.78 in / Standard mode(push/pull) 7 m/min 4.5/9.5 m/min 23 ft/min m/min 14.8/31 m/min Fast mode(push/pull) 21 m/min / 69 ft/min / Main winch 21 m/min / 69 ft/min / Lifting capacity 185 kN 41590 lbf 41590 lbf Wire rope diameter 28 mm 1.1 in 1.1 in Auxiliary winch 20 mm 0.79 in 246 ft/min Max. line speed 75 m/min 246 ft/min Max. line speed 75 m/min 246 ft/min Forward/backward 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Main chassis Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm Emission regulation EEC 97/68 EC EPA /CARB <t< td=""><td>Crowd system</td><td>Winch</td><td>Cylinder</td><td>Winch</td><td>Cylinder</td></t<>	Crowd system	Winch	Cylinder	Winch	Cylinder	
Stroke 15000mm 591 in 205 in Rope diameter 20 mm / 0.78 in / Standard mode(push/pull) 7 m/min 4.5/9.5 m/min 23 ft/min 14.8/31 m/min Fast mode(push/pull) 21 m/min / 69 ft/min / Main winch Ititing capacity 185 kN 41590 lbf Wire rope diameter 28 mm 1.1 in Max. line speed 75 m/min 246 ft/min Auxiliary winch 20 mm 0.79 in Lifting capacity 80 kN 17985 lbf Wire rope diameter 20 mm 0.79 in Max. line speed 75 m/min 246 ft/min Mast inclination 5/90 ° 5/90 ° Forward/backward 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm Emission regulation EEC 97/68 EC EPA /CARB Stage V/Tier4 final 10.4 US gal Width retracted/extended	Crowd force	180 kN	200 kN	40466 lbf	44962 lbf	
Rope diameter 20 mm / 0.78 in / Standard mode(push/pull) 7 m/min 4.5/9.5 m/min 23 ft/min 14.8/31 m/min Fast mode(push/pull) 21 m/min / 69 ft/min / Main winch Lifting capacity 185 kN 41590 lbf Wire rope diameter 28 mm 1.1 in Max. line speed 75 m/min 246 ft/min Auxiliary winch 20 mm 0.79 in Lifting capacity 80 kN 17985 lbf Wire rope diameter 20 mm 0.79 in Max. line speed 75 m/min 246 ft/min Mast inclination 5/90 ° 5/90 ° Forward/backward 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Main chassis Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm EEC 97/68 EC EPA /CARB Stage V/Tier4 final 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track	Line pull	180 kN	140 kN	40466 lbf	31473 lbf	
Standard mode(push/pull) 7 m/min 4.5/9.5 m/min 23 ft/min 14.8/31 m/min Fast mode(push/pull) 21 m/min / 69 ft/min / Main winch 185 kN 41590 lbf Lifting capacity 28 mm 1.1 in Max. line speed 75 m/min 246 ft/min Auxiliary winch 20 mm 0.79 in Lifting capacity 80 kN 17985 lbf Wire rope diameter 20 mm 0.79 in Max. line speed 75 m/min 246 ft/min Mast inclination 5/90 ° 5/90 ° Forward/backward 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Main chassis Engine model Cummins B6.7 Engine power Iso 3046-1 209 kW/2000 rpm 280 HP/2000 rpm Emission regulation Stage V/Tier4 final AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm	Stroke	15000mm	5200mm	591 in	205 in	
Standard mode(push/pull) 7 m/min m/min 23 tVmin m/min Main winch	Rope diameter	20 mm	/	0.78 in	/	
Main winch Lifting capacity 185 kN 41590 lbf Wire rope diameter 28 mm 1.1 in Max. line speed 75 m/min 246 ft/min Auxiliary winch 20 mm 0.79 in Lifting capacity 80 kN 17985 lbf Wire rope diameter 20 mm 0.79 in Max. line speed 75 m/min 246 ft/min Mast inclination 5/90 ° 5/90 ° Forward/backward 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Main chassis Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm EEC 97/68 EC EPA /CARB Stage V/Tier4 final AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine 0verall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb<	Standard mode(push/pull)	7 m/min		23 ft/min		
Lifting capacity 185 kN 41590 lbf Wire rope diameter 28 mm 1.1 in Max. line speed 75 m/min 246 ft/min Auxiliary winch 20 mm 0.79 in Lifting capacity 80 kN 17985 lbf Wire rope diameter 20 mm 0.79 in Max. line speed 75 m/min 246 ft/min Mast inclination 5/90 ° 5/90 ° Forward/backward 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Main chassis Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm EEC 97/68 EC EPA /CARB Stage V/Tier4 final AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine 0verall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb	Fast mode(push/pull)	21 m/min	/	69 ft/min	1	
Wire rope diameter 28 mm 1.1 in Max. line speed 75 m/min 246 ft/min Auxiliary winch 20 mm 0.79 in Lifting capacity 80 kN 17985 lbf Wire rope diameter 20 mm 0.79 in Max. line speed 75 m/min 246 ft/min Mast inclination 5/90 ° 5/90 ° Forward/backward 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Main chassis Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm Emission regulation EEC 97/68 EC EPA /CARB Stage V/Tier4 final AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine 0verall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3590 mm 1	Main winch					
Max. line speed 75 m/min 246 ft/min Auxiliary winch 80 kN 17985 lbf Wire rope diameter 20 mm 0.79 in Max. line speed 75 m/min 246 ft/min Mast inclination 5/90 ° 5/90 ° Forward/backward 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Main chassis Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm Emission regulation EEC 97/68 EC EPA /CARB Stage V/Tier4 final AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine Overall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3590 mm 141 in	Lifting capacity	185 kN		41590 lbf		
Auxiliary winch 80 kN 17985 lbf Wire rope diameter 20 mm 0.79 in Max. line speed 75 m/min 246 ft/min Mast inclination 5/90 ° 5/90 ° Forward/backward 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Main chassis Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm Emission regulation EEC 97/68 EC EPA /CARB Stage V/Tier4 final AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine Overall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3100 mm 122 in Transport height 3590 mm 141 in	Wire rope diameter	28 mm		1.1 in		
Lifting capacity 80 kN 17985 lbf Wire rope diameter 20 mm 0.79 in Max. line speed 75 m/min 246 ft/min Mast inclination 5/90 ° 5/90 ° Forward/backward 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Main chassis Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm EEC 97/68 EC EPA /CARB Stage V/Tier4 final Stage V/Tier4 final AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine Overall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3590 mm 141 in	Max. line speed	75 m/min		246 ft/min		
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Mast inclination 5/90 ° 5/90 ° Forward/backward 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Main chassis Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm Emission regulation EEC 97/68 EC EPA /CARB Stage V/Tier4 final AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine 0verall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3100 mm 122 in Transport height 3590 mm 141 in	Wire rope diameter	20 mm		0.79 in		
Forward/backward 5/90 ° 5/90 ° Lateral ±3 ° ±3 ° Main chassis Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm Emission regulation EEC 97/68 EC EPA /CARB AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine 0verall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3100 mm 122 in Transport height 3590 mm 141 in	Max. line speed	75 m/min		246 ft/min		
Lateral ±3 ° ±3 ° Main chassis Cummins B6.7 Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm Emission regulation EEC 97/68 EC EPA /CARB Stage V/Tier4 final AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine 0verall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3100 mm 122 in Transport height 3590 mm 141 in	Mast inclination					
Main chassis Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm Emission regulation EEC 97/68 EC EPA /CARB AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine Overall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3590 mm 141 in	Forward/backward	5/90 °		5/90 °		
Engine model Cummins B6.7 Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm Emission regulation EEC 97/68 EC EPA /CARB Stage V/Tier4 final AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine 0verall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3100 mm 122 in Transport height 3590 mm 141 in	Lateral	±3 °		±3°		
Engine power ISO 3046-1 209 kW/2000 rpm 280 HP/2000 rpm Emission regulation EEC 97/68 EC EPA /CARB Stage V/Tier4 final AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine 0verall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3100 mm 122 in Transport height 3590 mm 141 in	Main chassis					
EEC 97/68 EC EPA /CARB EEC 97/68 EC EPA /CARB Stage V/Tier4 final AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine 0verall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3100 mm 122 in Transport height 3590 mm 141 in	Engine model	Cummins B6.7				
Emission regulation Stage V/Tier4 final AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine 0verall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3100 mm 122 in Transport height 3590 mm 141 in	Engine power ISO 3046-1	209 kW/2000 rpm		280 HP/2000 rpm		
AD Blue tank cpacity 46 L 10.4 US gal Width retracted/extended 3100-4100 mm 122-161 in Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine 0verall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3100 mm 122 in Transport height 3590 mm 141 in	Emission regulation	EEC 97/68 EC		EPA/CARB		
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Track shoe width 700 mm 27.6 in Swing radius 3985 mm 157 in Overall machine 0verall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3100 mm 122 in Transport height 3590 mm 141 in	AD Blue tank cpacity	46 L		10.4 US gal		
Swing radius 3985 mm 157 in Overall machine 20480 mm 806 in Overall height 61000 kg 134482 lb Transport width 3100 mm 122 in Transport height 3590 mm 141 in	Width retracted/extended	3100-4100 mm		122-161 in		
Overall machineOverall height20480 mm806 inOperating weight ②61000 kg134482 lbTransport width3100 mm122 inTransport height3590 mm141 in	Track shoe width	700 mm		27.6 in		
Overall height 20480 mm 806 in Operating weight ② 61000 kg 134482 lb Transport width 3100 mm 122 in Transport height 3590 mm 141 in	Swing radius	3985 mm		157 in		
Operating weight ② 61000 kg 134482 lb Transport width 3100 mm 122 in Transport height 3590 mm 141 in	Overall machine					
Transport width 3100 mm 122 in Transport height 3590 mm 141 in	Overall height	20480 mm		806 in		
Transport height 3590 mm 141 in	Operating weight ②	61000 kg		134482 lb		
	Transport width	3100 mm		122 in		
Transport Length 16240 mm 639 in	Transport height	3590 mm		141 in		
	Transport Length	16240 mm		639 in		

Kelly bar		Weight	Depth	Option
Inter-locking kelly	Ф406×4×9	5820 kg	30 m	3
		12830 lb	98 ft	
	Ф406×4×11	7220 kg	38 m	4
		15917 lb	125 ft	
	Ф406×4×13	8410 kg	46.5 m	
		18540 lb	153 ft	
	Ф406×5×13.5	8710 kg	61 m	
		19202 lb	200 ft	
Friction kelly	Ф406×5×12.5	7700 kg	55.5 m	3
		16975 lb	182 ft	
	Ф406×5×13	8100 kg	58 m	
		17857 lb	190 ft	

Note: Drilling depth with bucket 1500 mm long

①: Friction kelly / inter-locking kelly ③: standard(Choose one of two) 2: with standard kelly

4: USA equipment

DUAL CROWD MODES, TRANSPORTED WITH KELLY

SR175M-V meets European and American emission regulations and is engineered for pile foundation applications in industrial and civil construction. The entire machine can be transported with Kelly attached, eliminating disassembly during relocation. The dual crowd modes (cylinder/winch) ensure compatibility with multiple construction techniques.

Transportation with rod: complete-built unit can be transported with drill pipe, and the transportation cost is low; the drill pipe is firmly fixed and easy to disassemble and assemble.

Power guarantee: sufficient power reserve, equipped with Sany EP power control technology, real-time adjustment of power distribution, improve utilization.

Efficient construction: the main hoist lifting speed is fast, the power head torque is large, the speed is fast, the rotation micro-motion is good, the hole is accurately aligned, and the construction is efficient. Intelligent efficiency: with six intelligent control functions, improve construction efficiency and reduce operation fatigue.

Reduce drag and increase efficiency: large diameter hydraulic system design, reduce oil resistance loss; independent cooling system can adjust fan speed, system energy saving.

Safety: ROPS and FOPS double encryption mesh anti-drop double protection roof, extreme weather warning, 360 ° visual, all-round safety

Comfort: suspension seat has strong vibration damping ability to avoid sedentary fatigue, high-power heating and cooling air conditioning, multi-air duct adjustable trend, all-round air supply to the human body. Maintenance convenience: the main components of the engine, pump and valve are placed on the side, which is convenient for repair and maintenance; fault self-diagnosis technology, fault early warning, and shorten the troubleshooting time.

