

DRILL RIG

SR125MV

STANDARD FEATURES

- 10.4" HD touchscreen display
- Transports in a single load
- Multi-functional drill rig
- Automatic soil spin-off and shaking
- Powerful Cummins engine

4' 11"
Max. Drilling Diameter

134' 6"
Max. Drilling Depth

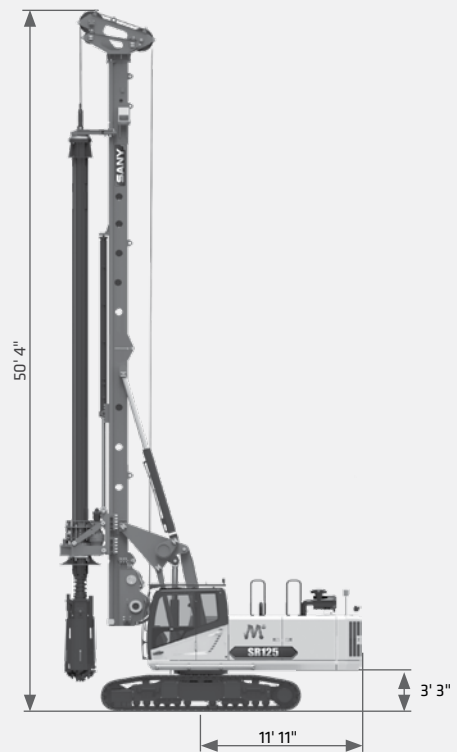
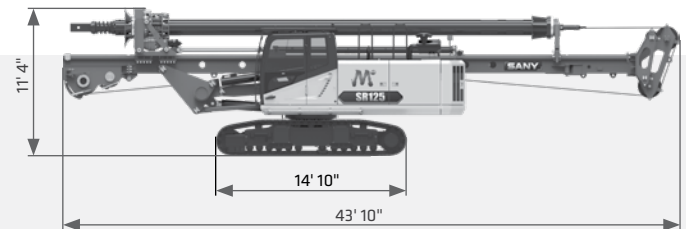
95,883 lbf·ft
Rated Output Torque

200 hp / 2 200 rpm
Engine Power

DIMENSIONS

DIMENSIONS

Pile		
Max. drilling diameter	4' 11"	1 500 mm
Max. drilling depth	134' 6" / 101' 8"	41 / 31 m *
Rotary drive		
Rated output torque	95,883 lbf·ft	130 kN·m
Rotation speed	6~40 rpm	
Crowd system		
Crowd force	26,977 lbf	120 kN
Line pull	33,721 lbf	150 kN
Stroke	12' 1"	3 700 mm
Main winch		
Lifting capacity	31,473 lbf	140 kN
Wire rope diameter	1"	24 mm
Max. line speed	253 ft/min	77 m/min
Auxiliary winch		
Lifting capacity	13,488 lbf	60 kN
Wire rope diameter	0.6"	14 mm
Max. line speed	246 ft/min	75 m/min
Mast inclination		
Forward/backward	5/90°	
Lateral	±3°	
Main Chassis		
Base engine	Cummins B4.5	
Engine power	200 hp / 2 200 rpm	149 kW / 2 200 rpm
Exhaust emission	Stage V / T4f	
Engine displacement	275 in ³	4.5 L
Extension width	12'	3 650 mm
Track shoe width	23.6"	600 mm
Swing radius	12'	3 680 mm
Overall machine		
Overall height	50' 4"	15 335 mm
Operating weight	85,098 lbs	38.6 t
Transport width	8' 5"	2 550 mm **
Transport height	11' 4"	3 450 mm
Transport length	43' 10"	13 365 mm



	KELLY BAR	WEIGHT	DEPTH	OPTION
Inter-Locking Kelly	Φ325×4×9	7,937 lbs / 3 600 kg	101' 8" / 31 m	Standard
	Φ351×4×9	9,039 lbs / 4 100 kg	101' 8" / 31 m	
Friction Kelly	Φ325×4×9	7,496 lbs / 3 400 kg	105' / 32 m	
	Φ351×5×9	9,480 lbs / 4 300 kg	134' 6" / 41 m	

* Friction kelly / inter-locking kelly depth
 ** Width when dismantling the cab bridge platform

Note: SANY drill pipe can be customized according to actual demand.
 In the interest of continual equipment development, SANY America Inc. reserves the right to change these specifications at any time without prior notification. ©2023 SANY America Inc. DRGP523SR125MV001

STANDARD AND OPTIONAL EQUIPMENT

s = standard / o = optional

SR125MV	ENGINE
s	4.5L Cummins
s	Auto-idle
s	Dual-element dry air filter
s	Batteries 24V (2-12V)
s	Coolant expansion tank
s	Electronic engine control
s	Enclosed fan guard
s	Engine coolant to -37 deg. C (-34 deg. F)
s	Fuel filter with water separator
s	Full-flow oil filter
s	Turbocharger with charge air cooler
s	70% (35 deg.) off-level capability
HYDRAULIC SYSTEM	
s	Spring-applied, hydraulically released automatic swing brake
s	Auxiliary hydraulic-flow adjustments through monitor
s	Centralized lubrication system with convenient grease points
s	Lift power boost on joystick
s	Control pattern change valve main hydraulics with high flow and electric control
s	Auxiliary hydraulics with load sensitivity electric control
s	Auxiliary pilot and electric controls
s	Positive flow control pump
UNDERCARRIAGE	
s	Planetary drive with axial piston motors
s	Propel motor shields
s	Spring-applied, hydraulically released automatic propel brake
s	2-speed travel selection
s	Sealed and lubricated track chain
s	Triple semi-grouser shoes, 600 mm (23.6")
s	Undercarriage frame opening guard
ATTACHMENT	
o	Customized Drilling tools
o	Kelly bars (friction / interlock)
o	CFA kit
o	Low headroom Kit
OPERATOR STATION	
s	Adjustable independent-control positions (levers-to-seat, seat-to-pedals)
s	AM/FM radio with USB charging and Bluetooth® connectivity
s	ROPS/FOPS Certification
s	Push to start
s	Auto climate control/air conditioner/heater/pressurizer
s	Built-in operator's Manual storage compartment and manual



STANDARD AND OPTIONAL EQUIPMENT

s = standard / o = optional

SR125MV	OPERATOR STATION (CONTINUED)
s	12 and 24V outlets 60 watt 5 amp
s	Deluxe air suspension cloth seat with adjustable armrests
s	Heavy duty rubber floor mat
s	Front windshield wiper with intermittent speeds
s	Horn, electric
s	Hour meter, electric
s	Hydraulic shutoff lever, all controls
s	Interior light
s	Large cup holder
s	Digital Power mode selection: 3 power modes- low, standard, and high
s	Multifunction color LCD monitor with: Diagnostic capability / Multiple-language / Maintenance tracking / Clock
s	System monitoring with alarm features: Auto-idle indicator, engine air cleaner restriction indicator light, engine check, engine coolant temperature indicator light with audible alarm, engine oil pressure indicator light with audible alarm, low-alternator-charge indicator light, low-fuel indicator light, low DEF indication with audible alarm, fault code alert indicator, fuel-rate display, wiper-mode indicator, work-lights-on indicator, and work-mode indicator
s	Motion alarm with cancel switch (conforms to SAE J994)
s	Seat belt, 2", non-retractable
s	Hydraulic oil filter restriction indicator light
s	Protection screens for cab front, rear, and side
o	GPS
ELECTRICITY	
s	60-amp alternator
s	Ground level electrical disconnect (lockout tag out)
s	10.4" Touchscreen display screen
s	Main winch pin tension sensor
s	Depth measurement sensor
s	Auxiliary winch limit
s	Rearview camera
s	Right side safety camera
s	Counter weight alarm light
s	Swing alarm light
o	Aviation warning light
o	Anemometer
o	Auxiliary winch pin tension sensor
o	Remote controller
o	Safety belt alarm

PRODUCT SPECIFICATIONS DRILL RIG || SR125MV

WORKING RANGE

LOW HEADROOM		
PILE		
Max. drilling diameter	4' 11"	1 500 mm
Max. drilling depth	65' 7"	20 m
ROTARY DRIVE		
Rated output torque	95,883 lbf-ft	130 kN•m
Rotation speed	6~24 rpm	
CROWD SYSTEM		
Crowd force	26,977/22,480 lbf	120/100 kN
Line pull	33,721 lbf	150 kN
Stroke	8' 6"	2 600 mm
OVERALL MACHINE		
Overall height	31' 6"	9 600 mm*
Overall height	29' 2"	8 900 mm**
Operating weight	75,839 lbs	34.4 t

* the higher location of boom.

** the lower location of boom.

*** the drilling depth is 20m when drilling diameter is 800-900mm.
the drilling depth is 21.5m when drilling diameter is 500-700mm.

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CFA MODE		
PILE		
Max. drilling diameter	2' 11"	900 mm
Max. drilling depth	70' 7"	21.5 m***
ROTARY DRIVE		
Rated output torque	95,883 lbf-ft	130 kN•m
Rotation speed	6~40 rpm	
CROWD SYSTEM		
Crowd force	11,240 lbf	50 kN
Line pull	--	--
Stroke	45' 11"	14 000 mm
MAIN WINCH		
CFA Max. Lifting	≥67,443 lbf	≥300 kN
Wire rope diameter	1"	24 mm
Max. line speed	63 ft/min	19.25 m/min
OVERALL MACHINE		
Overall height	82' 5"	25 120 mm
Operating weight	88,846 lbs	40.3 t

LIFTING PERFORMANCE

KELLY BAR	WEIGHT	DEPTH	OPTION
Inter-Locking Kelly	Φ351×4×4.5 4,960 lbs 2 250 kg	42' 8" 13 m	
Friction Kelly	Φ351×5×4.5 5,181 lbs 2 350 kg	65' 7" 20 m	Standard

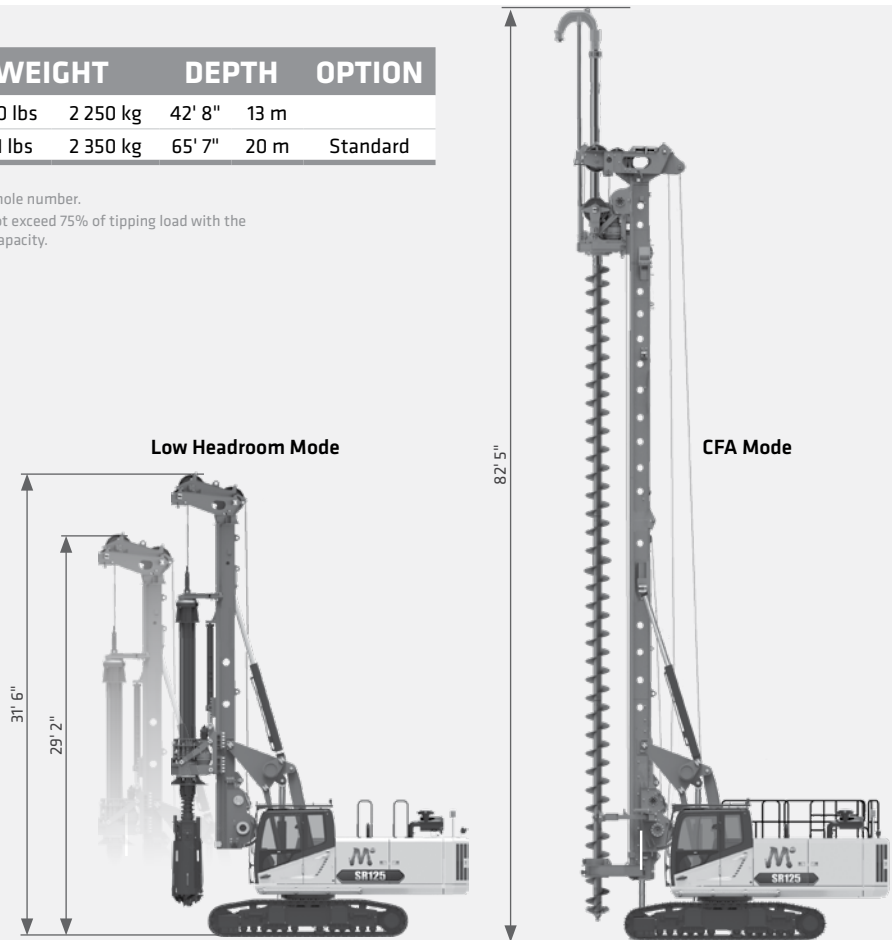
All imperial numbers have been rounded to the nearest whole number.

Ratings are based on ISO 10567:2007. Lift capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% of hydraulic lifting capacity.

Low headroom mode: standard mode can quickly switch to low headroom mode.

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, soil-mixing, CFA needs to be pre-ordered.



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*Warranty applies to 2023 Drill Rig models only.