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# SA3000 SPECIFICATIONS

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**SA 3000 Tech Specifications**

**Drilling Capacity**

Rod outside Diameter	Depth
BQ	3,000 m
NQ	2,300 m
HQ	1,600 m
PQ	1,050 m

**Power Unit**

Manufacture	Cummins
Model	Cummins 6LTAA8.9-325, 6 cylinders
Displacement	8.9 liter
Power	242KW/2,200rpm
Cooling	air
Diesel Type	Turbo charged, after cooling
Ambient Temp.	-30°C~50°C
Work Altitude	3,000m

**Hydraulic System**

Working Pressure	28Mpa
Cooling	Air cooled

**Drill Head**

Max Torque	7,600N.M
Max Inside Diameter	117mm
Gear Box	4 shifts
Ratio	Spindle Speed, rpm

Gear/Shift	Low Motor Speed	High Motor Speed
1 <sup>st</sup>	0—105 rpm	0—195 rpm
2 <sup>nd</sup>	0—185 rpm	0—330 rpm
3 <sup>rd</sup>	0—350 rpm	0—625 rpm
4 <sup>th</sup>	0—670 rpm	0—1175 rpm

Drill Head Chuck

Type	Hydraulic open, spring closed
Max Inside Diameter	117mm

**Main Winch**

Max Pull	18,144KG( bare drum)
Pulling Speed	33m/min (bare drum, low) 70m/min (bare drum, high)
Rope Diameter/Length	22mm/41m

**Wireline Winch**

Power	Hydraulic system
Max Pull	1,000KG (bare drum)
Pulling Speed	200m/min (bare drum)



Rope Diameter/Length 6.6 mm/2,500m

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**Mast**

2 sections, hydraulic powered lift/down, with mast dump

Mast extension 2.5m  
Length/Feed Travel 13m/3,450mm  
Drilling Angle 45 to 90 degrees  
Max Push 11,000KG  
Max Pull 23,000KG  
Mast Dump 1,350mm

**Engine Noise** 88 decibel less

**Foot Clamp**

Max Rod Size 117mm  
Working Model Hydraulic Open, Hydraulic Close

**Track**

Power Driven Hydraulic  
Power Control Hydraulic  
Speed 2 km/hour  
Climbing Angle 30°

**Total Weight** 22,000kg

**Walking Size** 10,500 × 2,320 × 2,800mm