

Sandvik / Tamrock CHA1100 Specifications

Drill hole diameters 75mm - 140mm .

Normal operating range is 89mm - 127mm using 51mm x 3660mm drill steels

Hydraulic Rock Drill

Rock drill type	HL1000
Operating pressure	90-130 bar
Percussion rate	33-35 Hz
Kinetic power	22 kW
Maximum torque	1340 Nm

Chain feed

Feed type	KS 180 H12
Rock drill travel	4330 mm
Feed tilt	+83° / -35°
Feed swing	25° / 25° (from vertical & horizontal)
Feed travel	1500 mm
Feed / pull-out force	32 kN
Retaining cetralizer	Pito 12 H

Rod changer

Rod changer type	RTC 1012
Storage capacity	5 + 1 + 1 rods
Steel lenth	3660 mm
Maximum hole depth	25 m
Weight without steels	750 kg

Telescopic boom

Telescopic boom type	ZB 1090
Boom extension	800 mm
Vertical coverage	2. / m ⁴
Boom lift	+50°/14°
Boom swing	5°/30°
Collaring height	+1220/-3500 mm
Reach outside tracks	0/1080 mm

Carrier

Track type	FL 6
Grouser plate width	310 mm
Ground pressure	.95 kg/cm ²
Ground clearance	400 mm
Track oscillation	+10°/ - 15°
Tramming force	140 kN
Gradeability	40° /84 %
Tramming speed	1.8/3.5 km/h

Powerpack

Engine type	Caterp. 3306 TA
Engine output	224 kW / 2200 rpm
Transmission type	clutch/gear box
Hydraulic pumps	gear type
Screw compressor	Tamrock
Air flushing capacity	10.5 m ³ /min
Flushing air pressure	up to 10 bar
Fuel saving system	
Fuel tank	4301

Hydraulic system

Control panel type	Tamrock TDC T
Control system	fully hydraulic
Collaring system	
Oil cooling capacity	up to 50°C
Filtration rate requir.	12 micron abs
Shank lubricat. Device	KVL 10-1
Hydraulic oil tank	3801

Dust collection system

Fines collector type	DC 1000 H
Filter elements/mat.	20 pcs/fiber
Total filter surface	16 m ²
Filtration capacity	5 micron
Suction capacity	35 m ³ / min
Hydraulic motor outp.	16 kW
Movable suction head	PE 100 S
Primary separat. Type	PE 80 H
Primary separat. Rate	up to 95 %

Transport directions

Weight	15500 kg
Length	9000 mm
Width	2650 mm
Height	3109 mm

Options

Heating and air - conditioning	
Rod greasing system	
Vacuum cleaner for the cabin	
Electric angle indic.	TIM 2202
Depth indicator	TIM 2201
Measuring system	TIM 2203
Mech. Angle indicator	Plate type
Electric filling pump	
Hose reel	
Three-bar grouser plates	
Guides for grousers	
Flushing control automatics	
Shut-down of suction for water holes	
Water injection system	
Special tools for HL 1000 rock drill	
Tube drilling kit	