

C 600

Compact, tough and versatile



CHASSIS TYPE



RUBBER WHEEL



CRAWLER



SKID FRAME



WHELLED



CSK SONDAJ Madencilik ve Mühendislik Ltd. Şti.

SERIES™

CSK ALTERNATİF MAKİNA SANAYİ TİCARET A.Ş.

Technical specifications

Drilling Capacity*		Metric	US
Drilling Capacity with HQWL		600 m (Max)	1 968 ft (Max)
Drilling Capacity with NQWL		750 m (Max)	2 460 ft (Max)
Drilling Capacity with BQWL		1000 m (Max)	3 280 ft (Max)
Rotation Unit		Metric	US
Spindle Inner Diameter		101 mm	3.97"
Chuck Axial Holding Force		150 kN	33 729 lbf
Speed Range		100 – 1200 \ 1400 rpm	
Maximum Torque		1 530 Nm	1 130 lbf
Rod Holder		Metric	US
Maximum Rod Size***		89 mm	3.50"
Holding Force		45 kN	10 120 lbf
Axial Holding Force TC Inserts		90 kN	20 240 lbf
Feed Frame		Metric	US
Feed Force		89 kN	20 000 lbf
Pull Force		89 kN	20 000 lbf
Rod Running – Out		0,8 m/s	2.62 ft/s
Rod Running – in		0,8 m/s	2.62 ft/s
Feed Stroke	Short	850 mm	33.5"
	Standard	1 800 mm	71"
Feed Length	Short	2 890 mm	114"
	Standard	3 600 mm	142"
Power Unit		Metric	US
Diesel Engine		119-130 kW	159.5- 174.3 hp
Electric Motor		90-110 kW	120.6 – 147.5 hp
Main Pump			
Flow		185 l/m	48.8 gals per min
Pressure		300 bar	4 351 psi
Service Pump			
Flow		65 l/m	17.1 gals per min
Pressure		240 bar	3 480 psi
Auxiliary Pump**			
Flow		65 l/m	17.1 gals per min
Pressure		200 bar	2 900 psi
CSK-135 Mud Pump		Metric	US
Flow (Max.)		135 l/min	35.6 gal per min
Pressure (Max.)		70 bar	1 015 psi

* CSK cannot guarantee these capacities will be reached in all working conditions due to varying factors such as used, conditions of the ground and differences in operation.

** 110 kW Electric Motor

*** Bore (without jaws) 102 mm (4.0 in)



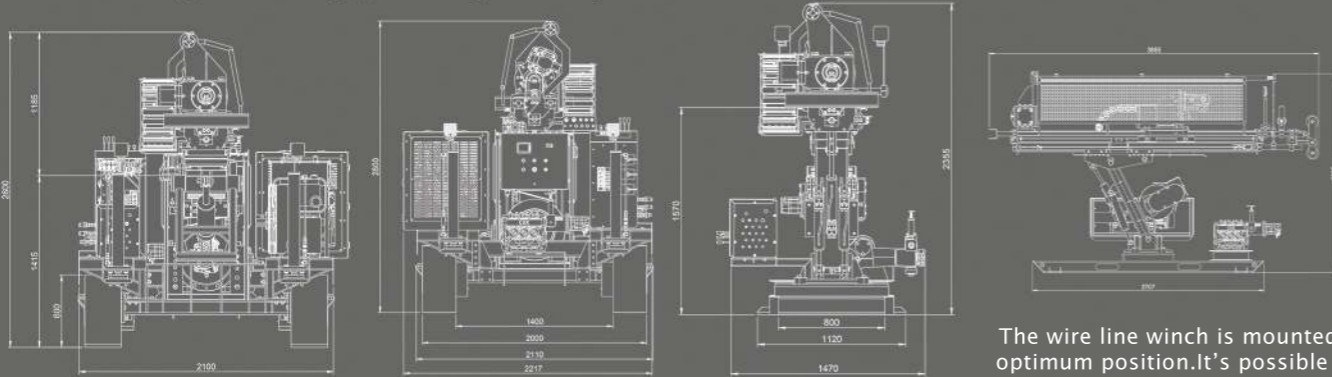
SERIES™

CSK ALTERNATİF MAKİNA SANAYİ TİCARET A.Ş.

C600 Core Drilling Rig

Underground & Surface

Powerful and compact, the CSK C series features a versatile modular design. They can be fitted with various alternatives and options to best suit your particular requirements regarding rock type, hole diameter and hole depth. C Series machines drill straight upwards, downwards or horizontally, enabling you to get the job done easily.



The wire line winch is mounted in the optimum position. It's possible to drill from -90° to +90° without needing to reposition the winch.



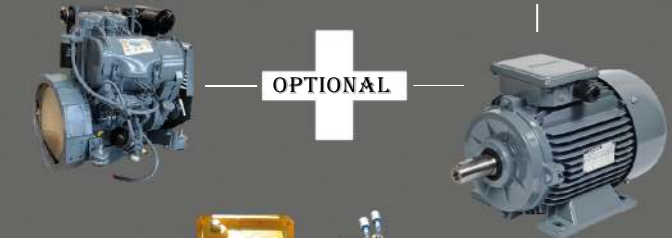
6 Cylinder Diesel Engine

OPTIONAL

Electrical Motor

2 Cylinder Diesel Engine

OPTIONAL



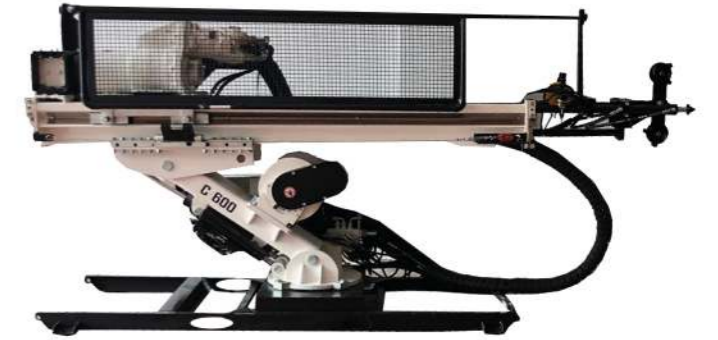
CSK-135 Mud Pump

- ▶ The C600 is a powerful and flexible machine.
- ▶ Feed frame with equal pull and push force
- ▶ Rod holder closes using gas pressure
- ▶ The gear case is sealed completely
- ▶ Handle drilling from +90° to -90° angles.



C-600 Underground/Surface Exploration

Hydraulic Rig Fixing Piston



Each unit is designed with oversized bearings to increase durability. The gear case is sealed completely to handle drilling from +90° to -90° angles.



Sturdy control panel featuring ergonomic design provides operator with full control from a safe distance.



The rod holder opens hydraulically and closes with gas pressure. The rod holder and chuck are synchronized to eliminate human errors and remove the risk of dropping rods.



Complete Diesel - Crawler
Total Weight : 5.000 kg



Drilling Rig Electric Motor Walking System Diesel Engine
Total Weight : 4.000 kg



Electric Motor - Wheeled
Total Weight : 3.500 kg



Electric Motor - Skid Frame
Total Weight : 3.100 kg