

# EARTH PROBE 200 SPECIFICATIONS

253 Wattleup Road Wattleup WA 6166

Phone:(08) 9437 1637 Fax:(08) 9437 1638



Name, and Type:	SIMCO EARTH PROBE 200		
Owner:	J&S Drilling	Outer barrel core (mm)	29
Build date:	1998	Split barrel sampler (mm)	19
Gross Registered Tonnage	3tonne	Height Overall, mast down (m):	1.2
Maximum Power (kW):	13.4	Height Overall, mast up (m):	2
Length Overall (m):	4.8	Useable Fuel Capacity (L):	40
Width Overall (m):	1.5	Maximum Feed Force (kN):	45.2
Maximum Pump Pressure:	3000psi	Maximum Stroke (m):	0.5
Main Pump Flow (L/min):	49	Maximum Rod Pull (m):	1.2
Can operate under a 2.5m ceiling / Probe up to 20 degrees either side of vertical.			
Can be mounted on utility, trailer or skid as required			



*Specifications are subject to change and inspections to satisfy intended use is recommended.*

# EARTH PROBE 200 SPECIFICATIONS

253 Wattleup Road Wattleup WA 6166

Phone:(08) 9437 1637 Fax:(08) 9437 1638



## EARTHPROBE TRAILER MOUNTED ON ATV



# Direct Push ~ Probe Capability

Provides direct push/probe capability for soil, gas and water sampling. The rig is a SIMCO Earthprobe 200 mounted on a PUG all terrain 4WD articulated vehicle. The carrier is capable of carrying two operators and a full compliment of tooling. The two-way articulated frame with certified ROPS allows all four full time driving wheels to stay in contact with the ground for excellent traction and power.

**SPECIFICATIONS**

➤ Hydraulic probe hammer with bit pressure control	➤ Hydraulic hammer/sinker drill capable of up to 2500 blows per minute
➤ 20HP air cooled petrol engine with electric start	➤ 1m stroke for hammer
➤ 0.5m stroke for mast slide	➤ Pull back to 6.2t
➤ Pull down adjustable to 2.3t	➤ Mast tilt horizontal to vertical
➤ Mast pivot with 20 degrees either side of vertical	➤ Hydraulic in/out slide base with 300mm travel
➤ Emergency shut down system	➤ 4 speed manual synchro mesh transmission with reverse

The adjustable bit pressure or down feed system allows the operator to maintain a constant but light down pressure on the probe tool string. This system allows most of the hammers percussive energy to be directed downward into the tool string resulting in better penetration rate and the collection of better quality soil samples.

**SAMPLING FEATURES**

➤ Penetrating surface bitumen, gravel, road base or rubble	➤ Outer barrel sampler 29mm core sample in clear PVC
➤ Segmented sampler 19mm core sample in clear PVC	➤ Split barrel sampler 19mm sample in splits or clear PVC
➤ 20mm PVC casing installed	➤ Sampler retainer (core catcher)
➤ Vapour sampling	➤ Groundwater sampling discrete zones

The Earthprobe can handle a variety of styles and lengths of probe tools. Samples from 300mm to 1200mm can be obtained. The machine can probe at any angle from horizontal to vertical and any angle up to 20 degrees either side of vertical.

**Contact J&S Drilling on 9437 1637 for more details**