

THE GROUND  
BREAKER

# GM65



## Inspired by the Ice Age

Geomachine is designed for the most challenging conditions in the world. Since it can even drill into soil shaped by the Ice Age, we dare to promise it will work anywhere.

### PURPOSE OF USE

Weight sounding test:	●
Vibration drilling:	●
Seismic drilling:	●
Sampling:	●
Cone penetration tests (CPT and CPT-u):	●
Field vane test (FVT):	●
Dynamic probing (DP):	●
Standard penetration Test (SPT):	●
Static dynamic penetration test :	●
Installation of groundwater pipes:	Normal soils
Percussion drilling:	Normal applications
Casing:	●

### BOOM

Boom type:	Medium Duty Direct Cylinder (MD) Medium Duty Chain Cylinder (MC)
Rotation unit:	V-300
Feed up to:	2400 mm
Feed cylinder lift capacity up to:	10 ton
Feed cylinder push down force up to:	6 ton
Movement speed up to:	Down: 0,4 m / s Up: 0,3 m / s
Rotator torque up to:	2800 Nm
RPM up to:	90

### DIMENSIONS

Weight (based on options):	c. 3 ton
Length:	355 cm
Width:	160 cm
Height:	210 cm
Ground clearance:	280 mm

### CARRIAGE AND POWER PACK

Engine type:	Kubota
Engine power:	55,4 kW
Hydraulic pumps:	2 pcs
Driving motors:	2 pcs
Wheels:	6 pcs (one track pair)
Track width up to:	300 / 400 mm
Fuel tank:	50 litres
Hydraulic tank:	75 litres
Travelling speed:	5 km / h

### STANDARD EQUIPMENT

Control system:	IQAN
Compressor:	400 lpm / 7 Bar
Waterpump:	50 Bar / 50 L / min
Winch:	Electric / Hydraulic
Motor heater:	Electric 220V / Eberspächer
Additional radio for mast movements:	For Danfoss control
Hydraulic rod magazine:	●
Additional led lights:	●
Mast automatic erection:	●
Mast anchoring without threaded rods:	●
Bulldoser blade:	●
Flow meter for drilling:	●

### ATTACHMENTS

Datalogging equipment:	GM Tracker / Rufco / Envi / Geotec
SPT unit:	●
CPTu equipment:	Geomill / Envi
Field vane testing equipment:	●
Hydraulic grinder:	●