



Envi 20Ton Compact Crawler

Four reasons why you should consider the Envi 20 ton compact crawler next time you buy a CPT machine:

1. **Small size means better accessibility to narrow spaces**
2. **20 tons push capacity**
3. **Wide belts provide good weight distribution**
4. **Powerful and robust anchoring**

The machine offers 20 ton push force. Small dimensions enable access to narrow places. Anchoring the machine using the two augers is easy in most types of soils. Auger extension rods can be added. The rod rack can store up to 40 pieces of 1m rods.

The machine is intended for CPT and Vane shear test. Push functions can be controlled from the manoeuvre pulpit or by using levers mounted on the hydraulic valves. In automated CPT mode the probe is pushed with constant speed (0-40 mm/s) regardless of ground resistance.

Wide belts make it suitable for tasks where the ground is soft and this also minimizes ground damage on e.g. lawns. If you need to traverse very slippery ground the belts can be provided with spikes.

When you relocate the machine you use the handle bar to steer it. Pull the handle bar to the right to turn right and vice versa. On the handle bar you also find the throttle, an emergency stop and a parking brake.





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Specifications

Weight: approx 1250 kg (fully loaded with rods and liquids)

Dimensions: (LxWxH) 200x107x157 cm

Engine

Honda GX390

Electrical start

Net power: 8.7 kW (11.7 HP) / 3600 rpm

Max net torque: 26.5 Nm (2.7 kgfm) / 2500 rpm

Fuel tank capacity: 6.1 liter

Fuel cons. at cont. rated power: 3.5 L/h - 3600 rpm

Battery: 12VDC

Hydraulics

Displacement: 6.0 cm³/rev

Max nominal/operation pressure: 250 Bar

Max pressure peak: 280 Bar

Minimum speed at 0-100 bar: 600 rpm

Minimum speed at 100-180 bar: 1200 rpm

Min. speed at 180 bar to rated pressure: 1400 rpm

Maximum speed: 4000 rpm

Hydraulic tank: 30 liters

Danfoss and other high end components used

Functions

Max push force: 20 ton

Max pull force: 25 ton

Rod rack for up to 40 pcs 1 meter CPT rods

Automatic constant CPT speed

Stroke: 1,1 meters

Push tower max over tilt: 10 degrees

Anchoring

Auger engines: 1800 Nm and <30 RPM

Anchoring auger extension rods available

