

Fox-150

Modular stand-alone CPT system

Geomil
equipment

*World's first manufacturer
of CPT equipment*



The Geomil Equipment Fox-150 stand-alone CPT system is a versatile unit designed to be used in a wide range of applications. The Fox-150 can be easily disassembled and carried, by hand, to reach difficult locations.

Designed for using ground anchors to generate reaction force, the detachable mounting supports allow for alternative mounting on any base. When using the Geomil push/pull Clamp-3655, normal CPT tubes of 1 m length can be applied.

Main characteristics of the Fox-150:

- max push/pull capacity 150/220 kN
- two vertical hydraulic cylinders, stroke 550 mm
- hydraulic control unit
- guiding tube assembly with locking system
- regulated downward speed for CPT 20 mm/s
- max unloaded push/pull speeds 130/90 mm/s
- may be completely disassembled
- no single component heavier than 38 kg
- detachable wheel set for easy maneuvering
- dimensions 1 200 x 540 x 480 mm (H x W x D)
- total weight 150 kg

The Fox-150 is hydraulically powered by a separate power pack, driven by a petrol, diesel or electric motor.

Main characteristics of the suitable power packs:

Petrol

- air cooled 1-cylinder Honda engine
- 8.7 kW at 3000 RPM
- electrically started, 12 Vdc system
- dimensions 1 255 x 820 x 875 mm (L x W x H)
- weight (w/o fuel) 185 kg

Diesel

- air cooled 1-cylinder Hatz engine
- 8.0 kW at 3000 RPM
- electrically started, 12 Vdc system
- dimensions 1 255 x 820 x 875 mm (L x W x H)
- weight (w/o fuel) 190 kg

Electric

- electric motor 380-440 Vac 3-phase
- 7.5 kW at 3000 RPM
- dimensions: 1 255 x 820 x 875 mm (L x W x H)
- weight 170 kg

Push frame and power-pack are connected by a set of flexible hydraulic hoses with flat-face quick-couplings, which can also be used to connect the Hygand ground anchoring device.

For more technical information or a quotation based on your specific requirements please contact sales@geomil.com or call us at +31 172 427 800.



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Fox-200

Stand-alone CPT system

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The Geomil Equipment Fox-200 stand-alone CPT system is a versatile unit designed to be used in a wide range of applications. Detachable mounting supports allow the system to be placed on any base, varying from a steel skid to a truck platform, or an excavator to a jack-up platform or barge.

Main characteristics of the Fox-200:

- maximum 200 kN thrust capacity
- maximum 200 kN pulling capacity
- two vertical hydraulic cylinders, stroke 1150 mm
- solid bridge connecting the cylinders, suitable for either hydraulic or mechanical push/pull clamp
- hydraulic control unit, mounted on a console next to the cylinders
- guiding tube assembly with spring loaded locking system
- 15-25 mm/s calibrated speed for CPT testing
- 140 mm/s max. upward unloaded speed
- 140 mm/s max. downward unloaded speed
- hydraulic catching clamp integrated in foundation beam, essential for over water operations or when carrying out CPT's in very weak soils
- dimensions: 2 490 x 650 x 1 290 mm (H x W x D)
- weight: 640 kg

The Fox-200 is hydraulically powered by a separate power pack, driven by a Hatz Silentpack diesel engine. The complete power pack is built-in in a ridged framework, resulting in a robust unit and allowing easy transport by crane or forklift.

Main characteristics of the hydraulic power pack:

- driven by Hatz Silentpack 9,5 diesel engine
- hydraulic oil tank with return line filter & inspection/temperature glass
- axial piston pump with power regulator
- electrically started
- fuel tank of 21 liters
- dimensions: 1 450 x 800 x 920 mm (L x W x H)
- weight (w/o fuel): 600 kg

Penetrometer and power-pack are connected by a set of flexible hydraulic hoses with flat-face quick couplings.

Useful accessories:

- push/pull or hydraulic clamp
- tube rack
- toolbox

For more technical information or a quotation based on your specific requirements please contact sales@geomil.com or call us at +31 172 427 800.



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