

Compact Crawler CPT130



COMPACT CRAWLER CPT130:

- Small but powerful
- Easy to operate
- Detachable CPT pusher
- Easy to transport

The Compact Crawler CPT130 is equipped with a 130 kN pusher. The pusher can be detached from the crawler and then anchored to a floor, wall or even a ceiling to perform CPT in confined spaces. The pusher is then powered through hydraulic hoses connected to the crawler or a separate power pack. Whether mounted on the crawler or detached, the required reaction force is generated through four ground anchors.



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The Compact Crawler CPT130 is small but powerful. It is designed to ensure easy transport, facilitating access to challenging work sites and easy operation.

The narrow frame width allows the unit to pass through most doors and garden fences. And by reducing the stroke of the CPT pusher to 550 mm (22 in) the height of the crawler is such that it can be operated in spaces with low overhead clearance. Finally, its small dimensions and light weight (even when fully loaded with CPT rods and the ground anchors) enable transport in a standard van or a very small trailer, making it perfect for use in urban areas.

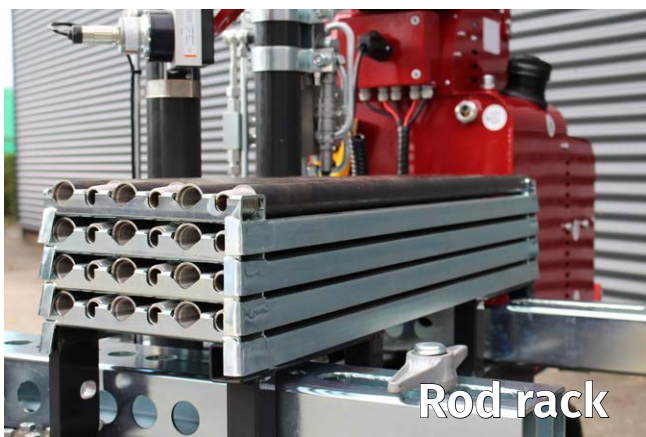
For CPT in even more confined spaces or where noise and/or exhaust gasses are problematic, the pusher can be detached from the crawler and then anchored in place using a (ground or wall) frame. The crawler will then be connected to the pusher through hydraulic hoses. Alternatively the pusher can be connected to a separate electric power pack.

The required reaction force is generated through four ground anchors that are driven into the soil with the rotary head mounted on the crawler. This head can provide a torque of approx. 1,750 Nm (1,290 ft-lbs) and various helix diameters (ranging from 200 mm (8 in) to 450 mm (14 in)) are available to provide the optimum equipment set-up for the anticipated soil conditions.

The Compact Crawler CPT130 has two strong, robust ball clamps in its automated CPT pushing rams, preventing the need for hand-operated clamps. The crawler has also a 12 VDC outlet that can be used to charge the laptop battery.

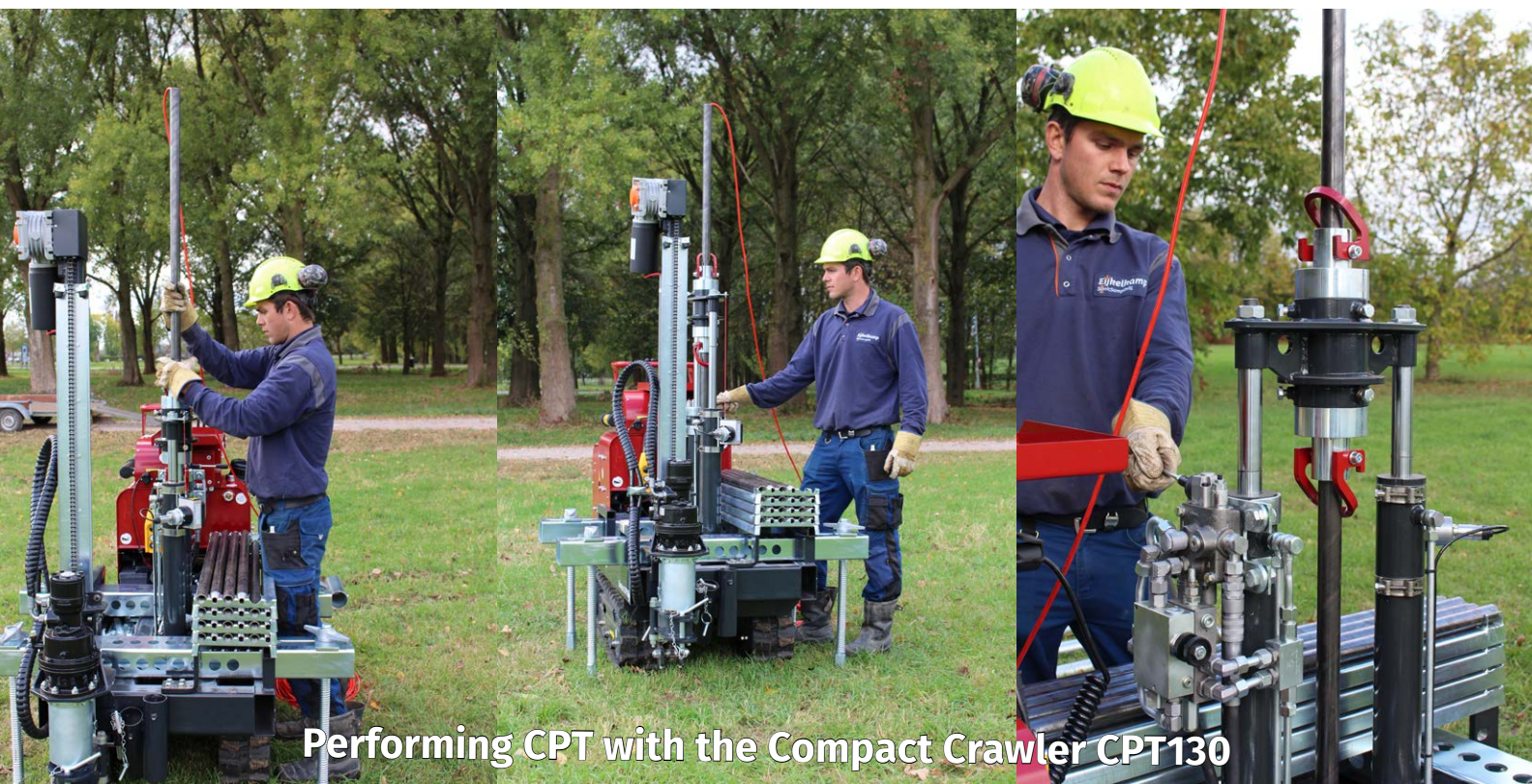
The crawler can move at two speeds: 2.5 km/h (1.5 mph) and 4.1 km/h (2.75 mph). A driver's platform is provided to allow the operator to drive the rig safely.

Compact Crawler CPT130	Metric	Imperial
Dimension (LxWxH)	2,620 x 790 x 2,030 mm	103 x 31 x 80 in
Weight (without rods)	1,100 kg	2,425 lbs
Hydraulic pressure	230 bar	3,335 psi
Engine	Kubota diesel	
Power	10.7 kW @ 3,600 rpm	14.6 HP @ 3,600 rpm
Upward speed	150 mm/sec	6 in/sec
CPT stroke	550 mm	22 in
CPT downward speed	15 to 25 mm /sec	0.6 to 1 in/sec
Pushing force	130 kN	13 tf (long)
Uplift force	170 kN	17 tf (long)
Reaction force	Through ground anchors or ground frame	
Rotary head torque	1,750 Nm	1,290 ft-lbs





Compact Crawler CPT130 ground anchor installation



Performing CPT with the Compact Crawler CPT130