

CRAWLER-MOUNTED CPT VEHICLE TPC-20L



FEATURES

- The vehicle adopts a centrally mounted automatic anchoring system and main penetration oil cylinder. The penetration cylinder operates in two modes: standard and fast.
- The entire series is equipped with a hydraulic clamping, capable of clamping probe rods and casings with diameters ranging from $\phi 25\text{mm}$ to $\phi 65\text{mm}$.
- An optional oil cylinder penetration rate regulator is available upon user request. The penetration rate is 1.2m/min.
- The vehicle has a load capacity of approximately 9 tons, with a self-weight of about 5 tons. Additional counterweights can be added. Ground anchors can be installed at any time when reaction force is insufficient.
- The vehicle is equipped with ultra-long fully hydraulic outriggers, capable of extending horizontally on both sides and lifting vertically. This allows loading and unloading without a crane.
- The vehicle is equipped with two dedicated ground anchors. The number of anchors can be adjusted based on soil conditions to improve operational efficiency.
- The hydraulic power system includes a high-pressure pump, capable of reaching a maximum pressure of 31MPa.
- Available probes include: 10cm² single or double bridge, 15cm² single, double, triple, or quadruple bridge types.

TECHNICAL SPECIFICATIONS

Rated penetration force	200KN
Maximum extraction force	230KN
Working stroke	500mm
Engine model	C490BPG
Rated power / Speed	40KW/2630r/min
Maximum hydraulic pressure	31MPa
Travel speed	0~4km/h
Dimensions (L × W × H)	3.7m*1.8m*2.36m
Gradeability	≤20°
Fuel tank capacity	220L
Maximum operating temperature	40 °C
Minimum operating temperature	-20 °C
Outrigger stroke	1700mm
Maximum ground clearance	1350mm
Curb weight	5t
Operators	2

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