



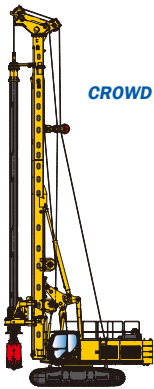
XR240E

MULTI-FUNCTION ROTARY DRILLING RIG

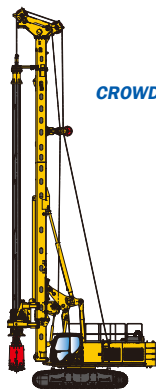
• MAX DIAMETER: $\Phi 2200\text{mm}$ (CROWD CYLINDER)/ $\Phi 2000\text{mm}$ (CROWD WINCH)

• MAX DEPTH: 70m





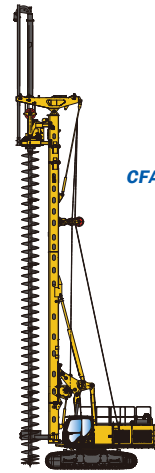
CROWD WINCH



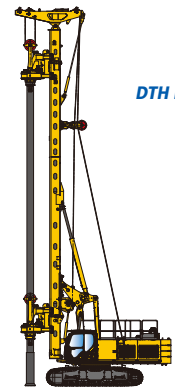
CROWD CYLINDER



CASING OSCILLATOR



CFA



DTH HAMMAR

Technical Parameter

Engine	Unit	Parameters
Model	/	Volvo TAD1171VE
Rated power	kw	265
Tank volume	L	580
Emission	/	Tier 4F
Rotary drive		
Max torque	kN·m	240
Speed	r/min	7~30
Working condition		
Overall working height	m	22.7
Overall working weight	t	82
Crawler		
Crawler width	mm	3250~4400
Shoes width	mm	800
Shoes length	mm	5715
Driving force	kN	485
Travel speed	km/h	0~1.8
Mast		
Lateral	°	4
Forward	°	5
Hydraulic system		
Max flow	L	2×280+90
Max working pressure	MPa	34

Crowd cylinder	Unit	Parameters
Max crowded force	kN	210
Max extraction force	kN	220
Stroke	mm	5000
Slow speed	m/min	5.8
High speed	m/min	12
Crowd winch (optional)		
Max crowded/ extraction force	kN	250/250
Stroke	m	13
Slow speed	m/min	7
High speed	m/min	30
Diameter of ropes	mm	24
Main winch		
Max extraction force	kN	240
Speed	m/min	0~70
Diameter of ropes	mm	32
Auxiliary winch		
Max extraction force	kN	80
Speed	m/min	0~70
Diameter of ropes	mm	20

Technical Characteristics

- As a multi-function machine, it can realize the quick switching of functions such as cylinder pressurization, crowd winch pressurization, oscillator, CFA, and dual power head. Meet more different construction needs.
- The capacity of rotary drive and main winch is increased by 20% and the work efficiency is higher.
- The rotary drive can be equipped with a torque multiplier (optional).The casing drive torque is up to 360kN·m and the casing construction ability is stronger.
- The main and auxiliary winches both adopt single-layer rope technology. The service life of the wire rope is 2~4 times longer than that of the multi-layer rope and the cost is lower.
- The double jib parallelogram luffing mechanism has a large support angle and a 16% increase in the support range. The operation a more stable.
- The hydraulic system adopts negative flow control technology which has a fast response and good control performance.
- The independent high-power rate temperature-controlled hydraulic oil cooler is suitable for high-temperature construction and can adjust fan speed with temperature changes.
- Intelligent control system can automatically adjust and display the verticality of mast, automatically slew and slag discharge, CFA model automatically lifting concrete pouring and pile type display. The system uses bus panel design to prevent misoperation.

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