

## Product Performance



The application of military grade improved rubber shock absorbing element has good shock absorbing effect and durable service life to ensure more stable construction of the whole machine. A number of magnetic screw plugs and magnetic rods are arranged in the gear box of power head to effectively control the cleanliness of gear oil. Designed with a pin shaft extension interface and a replaceable case driver to facilitate the conversion of the rig for full casing construction method.

Unique wire rope reel and pressing patent technology can protect the wire rope from pressing and twisting. Equipped with winch system specially designed for rotary drilling rig to achieve efficient construction



Large cab to offer spacious and comfortable driving space. Set up multiple groups of non-slip steps, offering higher safety and realizing the easy access to the cab. A design with wide vision offering a broader vision.

The installed depth measurement system of the drilling bucket offers higher display accuracy than other regular drilling rigs. The new design of the two-level operation interface is simple to operate and ensure more reasonable human-machine interaction.



Caterpillar C-Series original engine offers stable & reliable performance, stronger power, longer useful life.

The electric control system in one cabinet with distinctive markers, offering easy aintenance, waterproof safety, and high reliability. Use of electronic control system and equipment from domestic famous and mainstream brands.



- The product is certified by the Chinese National Standard GB/T 21682 and the European Union Standard EN 16228, ensuring a design that emphasizes both dynamic and static stability to guarantee construction safety.
- The fully electronic control system can automatically adjust hydraulic power output and engine speed according to the load conditions, effectively reducing unnecessary power output.
- Equipped with a high-end Caterpillar cab, significantly enhancing the comfort of the operating environment, the certified ROPS of cab provides the best safety assurance in the industry.
- The power head can limit torque according to the torque requirements of different construction methods, ensuring higher safety.
- Equipped with Caterpillar engines and proportional electro-hydraulic systems, the main winch lifting speed is rapid, with multiple gears available for the power head. Extended maintenance intervals reduce costs by 15%. One-touch soil casting and physical button interface.
- Fully electronic control system, automatic mast inversion, remote cloud monitoring at the far end, and remote control operation of all actions.

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Tysim official website



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Super performance  
Super fuel efficient  
Super reliable  
Super comfortable  
Super value retention

## MILESTONE Series High-end CAT chassis Series

full hydraulic / full electrical control rotary drilling rig

*The vanguard of pile foundation construction  
for urban three-dimensional traffic infrastructure  
The sharp tool for efficient construction  
in the field of industrial and civil construction*



EU  
STAGE V

TYSIM



BU Stage  
full range of parameters

SPECIFICATION		UNIT	KR60C	KR125C	KR125M	KR150C	KR150M	KR240M	KR300M	KR360M
Drilling	Max. drilling diameter	mm	1000	1300	1300	1300	1300	2000	2500	2500
	Max. drilling depth	m	20	37/43	37/43	41/51	37/43	64/51	83/54	83/54
Power head	Max. torque	kN.m	60	125	125	150	150	240	360	360
	Rotation speed	rpm	8~30	8~30	8~30	8~30	8~30	7~28	6~26	6~26
Pressurized system	Max. pressure	kN	60	100	110	100	150	300	300	300
	Max.lifting capacity	kN	90	150	110	150	200	360	360	360
	Max. stroke	mm	2300	3200	10535	3800	11225	15500	17000	17000
Main winch	Max.lifting capacity	kN	65	110	110	110	150	230	320	320
	Diameter of wire rope	mm	18	24	24	24	26	28	36	36
	Max. speed of main winch	m/min	75	78	78	78	78	73	65	65
Auxiliary winch	Max. lifting capacity	kN	35	60	60	60	60	90	90	90
	Diameter of wire rope	mm	12	14	14	14	14	20	20	20
	Max. speed of auxiliary winch	m/min	40	60	60	60	60	70	70	70
Mast	Mast tilt angle-left/right	°	±3	±3	±3	±3	±3	±5	±5	±5
	Mast tilt angle-forward	°	5	5	5	5	5	5	5	5
	Mast tilt angle-backward	°	5	5	5	5	5	5	5	5
Machine	Working height	mm	10705	15495	15760	15995	16765	22865	24910	24835
	Transportation height	mm	3575	3895	3895	3675	3725	3675	3795	3795
	Transportation width	mm	2640	2860	2860	2860	2860	3400	3400	3400
	Transportation length	mm	9350	14035	14275	14625	15990	16970	18190	18190
	Machine weight	t	24	41	41	43	46	82	97	99
Chassis	Engine		CAT C3.6	CAT C4.4	CAT C4.4	CAT C7.1	CAT C7.1	CAT C9.3B	CAT C9.3B	CAT C13
	Displacement	L	3.6	4.4	4.4	7.01	7.01	9.3	9.3	12.5
	Rated power	kW/rpm	82/2400	110/2000	110/2000	129/2000	129/2000	259/1800	309/1800	332/1800
	Emission		Stage V	Stage V	Stage V	Stage V	Stage V	Stage V	Stage V	Stage V
	Fuel tank	L	258	345	345	345	345	600	680	715
	Traction	kn	117	220	220	220	220	420	680	680
	Max. Traveling Speed	km/h	3	3	3	3	3	3	2	2
	Width of extended track	mm	2590	3700	3700	3700	3700	4450	4300	4300
	Width of track shoe	mm	600	700	700	700	700	800	800	800
	Radius of tail slewing	mm	2805	3470	3467	3470	3470	4465	5080	5160
Hydraulic system	Main pump	L/min	1×247	2×221	2×221	2×214.5	2×214.5	2×280	2×390	2×390
	Hydraulic oil tank	L	70	182	182	182	182	274+120	364	364
Kelly bar	Specification of kelly bar		TK60/299/4/6-150	TK150/355/4/10-150 F150/355/5/9.5-150	TK150/355/4/10-150 TF150/355/5/9.5-150	TK150/355/4/11-150 TF150/355/5/11-150	TK150/355/4/11-150 TF150/355/5/11-150	TK240/440/4/14-200 TF240/440/5/14-200	TK360/508/4/15-200 TF360/508/6/15-200	TK360/508/4/15-200 TF360/508/6/15-200
Drilling tools	Weight of Kelly bar	kg	2700	5450/5400	5450/5400	5500/5450	5500/5450	10500/10800	14000/14900	14000/14900
	Drilling depth	m	20	37/43	37/43	41/51	41/51	51/64	54/83	54/83
	Diameter of rock bucket	mm	800	800	800	800	800	1500	1500	1500

\*Remarks: Machine weight is including standard kelly bar and drilling tools.