



MITRA TEKNINDO SEJATI

TYSIM PILING KR220E

FULLY HYDRAULIC ROTARY DRILLING RIG



CONTACT US

Jakarta

Sedayu Square Blok D/08, Cengkareng,
Jakarta Barat, DKI Jakarta.
Telp. 021 52393819

Tangerang I

Kawasan Industri Milenium Blok P2 No. 3
Jl. Pemda Tigaraksa, Sukamulya,
Cikupa, Tangerang - Banten
Telp. 021 59645008

Tangerang II

Kawasan Bizlink Citra Raya Blok O 08/20
Jl. Pemda Tigaraksa, Sukamulya
Cikupa, Tangerang - Banten

Bantaeng

Jl. Dusun Mawang, Desa Papanloe,
Pajukukang, Bantaeng Regency
Sulawesi Selatan

Surabaya

Jl. Gunungsari No. 55-59 (Gudang B),
Surabaya - Jawa Timur
Telp. 031 99545799

Samarinda

Jl. Ampera Pergudangan Mangkupalas Bisnis
Center Blok D20 Simpang Pasir
Palaran, Samarinda - Kalimantan Timur

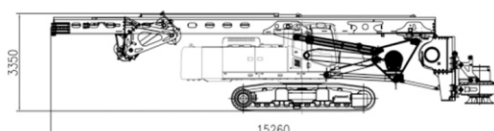
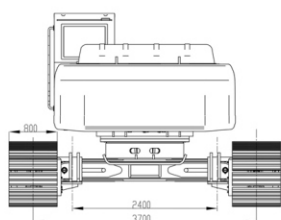
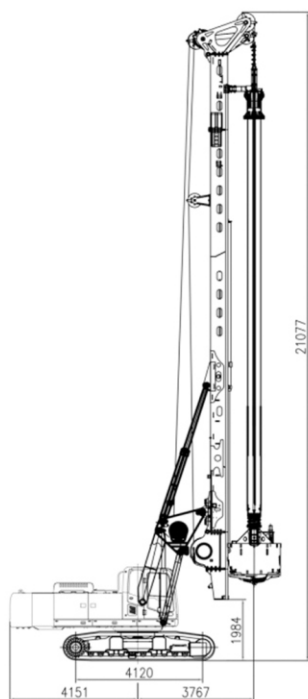
Makassar

Jl. Ir. Sutami, Pertamina (Pengisian Gas Elpiji)
PT. Pergudangan Permata Alam Blok B No. 10
Makassar - Sulawesi Selatan
Telp. 04118037636

KR220E High performance fully hydraulic rotary drilling rig

Performance Characteristics

- The original made in USA powerful Cummins engine is selected to integrate with the core technology of TYSIM in electronic control system and hydraulic system to maximize its working performance.
- The whole series of Tysim products have passed GB certification and EU EN16228 standard certification, better dynamic and static stability design to ensure construction safety;
- TYSIM makes its own chassis specially for rotary drilling rig to perfectly integrate the power system with the hydraulic system. It adopts the most advanced load sensing; load sensitivity; and proportional control hydraulic system in China, making the hydraulic system to be more efficient and energy-saving.
- A classical model popular in the market for many years with stable performance and reliable quality;
- The power head is designed with an extra option for drilling rock to reduce the operation intensity of the operator, and greatly enhance the ability for drilling rock;
- The multi-stage vibration reduction design of the power head results in better vibration reduction;
- The front positioned main winch with only two layers during operation to greatly improve the service life of the wire rope;
- The strong rotary braking performance provides stability and safety when drilling in extreme construction conditions so as to ensure the vertical degree of the pile;
- Equipped with a cabin with new generation ergonomic ROPS design to offer operation with more comfortable and safety;



Technical Specifications

Performance parameter	Unit	Numerical value
Max. torque	kN. m	220
Max. drilling diameter	mm	1800/2000
Max. drilling depth	m	64/51
Working speed	rpm	5~26
Max. cylinder pressure	kN	210
Max. hoist capacity	kN	220
Main winch pull force	kN	230
Main winch speed	m/min	60
Auxiliary winch pull force	kN	90
Auxiliary winch speed	m/min	60
Max. cylinder stroke	mm	5000
Mast side raking	°	± 5
Mast raking forward	°	5
System pressure	Mpa	34. 3
Pilot pressure	Mpa	4
Max. pull force	kN	420
Complete machine		
Operating width	mm	4500
Operating height	mm	21077
Transport width	mm	3200
Transport height	mm	3350
Transport length	mm	15260
Total weight	t	69
Chassis		
Track width (minimum *maximum)	mm	3200~4500
Width of track plate	mm	800
Tail radius of rotation		4151
Engine		
Engine type		QSL9
Engine form		Six cylinder line, water cooled, turbocharged, air - to - air cooled
Cylinder number*cylinder diameter * stroke	mm	6×114×145
Displacement	L	8. 9
Rated power	KW/rpm	232/1900
Max.torque	N. m/rpm	1424/1500
Emission standard	U. S. EPA	TIER 3
Kelly bar		
Model		Friction Interlocking
Outer diameter	mm	φ440 φ440
Layers * length of each section	m	5×14 4×14
Max.depth	m	64 51