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SKY UMBRELLA GENERAL TRANSPORT BY HEAVY TRUCKS

Mobile Cranes

A crane is a type of machine, generally equipped with a hoist, wire ropes or chains, and sheaves, that can be used both to lift and lower materials and to move them horizontally. It is mainly used for lifting heavy things and transporting them to other places. It uses one or more simple machines to create mechanical advantage and thus move loads beyond the normal capability of a human. Cranes are commonly employed in the transport industry for the loading and unloading of freight, in the construction industry for the movement of materials and in the manufacturing industry for the assembling of heavy equipment.

Crane Types

The different kinds of cranes available as per the client's requirements, Following are most common

1. Rough Terrain Crane

Rough terrain cranes are used for sand and places where movement of the truck mounted crane is difficult. These cranes are transported on low bed trailers.

2. Six Wheel Cranes

Six Wheel/Truck mounted cranes are the cranes used mostly for routine jobs and are easy to transport. These cranes do not require low bed for transportation on nearby locations.

3. All Terrain Cranes

All terrain are cranes can be used for both sand and compact places.

Rough Terrain Crane

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A crane mounted on an undercarriage with four rubber tires that is designed for pick-and-carry operations and for off-road and "rough terrain" applications. Outriggers are used to level and stabilize the crane for hoisting.

These telescopic cranes are single-engine machines, with the same engine powering the undercarriage and the crane, similar to a crawler crane. In a rough terrain crane, the engine is usually mounted in the undercarriage rather than in the upper, as with crawler crane. Most have 4 wheel drive and 4 wheel steering which allows them to traverse tighter and slicker terrain than a standard truck crane with less site prep.

Six Wheel Crane

A crane mounted on a truck carrier provides the mobility for this type of crane. This crane has two parts: the carrier, often referred to as the Lower, and the lifting component which includes the boom, referred to as the Upper. These are mated together through a turntable, allowing the upper to swing from side to side. These modern hydraulic truck cranes are usually single-engine machines, with the same engine powering the undercarriage and the crane. The upper is usually powered via hydraulics run through the turntable from the pump mounted on the lower. In older model designs of hydraulic truck cranes, there were two engines. One in the lower pulled the crane down the road and ran a hydraulic pump for the outriggers and jacks. The one in the upper ran the upper through a hydraulic pump of its own. Many older operators favor the two-engine system due to leaking seals in the turntable of aging newer design cranes.

All Terrain Cranes

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A mobile crane with the necessary equipment to travel at speed on public roads, and on rough terrain at the job site using all-wheel and crab steering. All Terrain combine the roadability of Truck-mounted Cranes and the manoeuvrability of Rough Terrain Cranes.

All Terrain have 2-9 axles and are designed for lifting loads up to 1,200 tonnes



25 TON ROUGH TERRAIN

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25 TON TRUCK MOUNTED



50 TON ROUGH TERRAIN

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SKY UMBRELLA GENERAL TRANSPORT BY HEAVY TRUCKS



50 TON TRUCK MOUNTED



100 TON ALL TERRAIN CRANE

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200 TON ALL TERRAIN CRANE

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