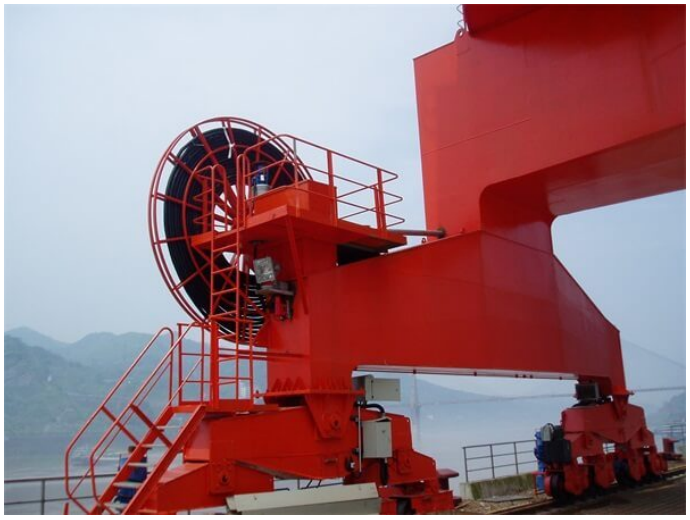
HUADA
BRIDGE ERECTION & ROAD MAINTENANCE

PORTAL CRANE

Portal Crane

High efficient Portal Crane generally includes the following units: steel frame, lift mechanism, slew mechanism, crane travel mechanism, spreader device (grab, container spreader, magnet and hook), electrical equipment and other accessory equipment for safety. Steel structure include jib and A-frame, slew platform and gantry frame. Portal Crane jib crane is extensively applied to dock's bulk cargo (coal, ore and so on) and other cargo ship (lorry) loading and unloading as well as slipway repair.

Portal crane jib crane referenced standards, GB17495-1998 Harbor Portal Crane technical specification, JT400-1999 harbor Portal Crane safety specification, GB3811-2008 crane design standards, GB6067-85 crane safety specification, ISO standards, FEM standards and JIS standards.



Main features

1. It uses grab, container spreader, magnet and hook, boasts high practicality and wide scope of application.

2. It adopts optimized four-bar linkage so that the accuracy of level luffing is high.

3. The operation device rotates 360°, widening the operation scope.

4. It adopts PLC control and variable frequency speed control, so that is runs steadily and reliably.

5. Intelligent structure gives excellent stability.

Main technical parameters

SWL: 8T~63T

Working Radius: 15M~45M

Lifting Height: Above rail: 5-40m

Below Rail: 5-30m

Lifting Speed: 25~60m/min

Luffing speed: 30~50m/min

Slewing speed: 1.5r/min

Traveling speed: 15~30m/min

Working Duty: ISO M7/M8

Ambient Temperature: -40~40°C

Product Specification			3055		
Group Classification Of Complete Machines			A5		
Elevating Capacity	Lifting Capacity	t	Main Hook		Aux.Hook
			120	40	20
	Radius	m	24~33	24~60	28~65
Lifting Height		m	60		60
Working Radius	Max.	m	60		65
	Min.	m	24		28
Speed Of Mechanism	Lifting Speed	m/min	6（12,<48）		15（30,<8）
	Luffing Speed	m/min	~10		
	Slewing Speed	r/min	0.24		
	Traveling Speed	m/min	30		
Power Source			3-phase A.C. 50Hz 380V		
Track Gauge/Wheel Base		m	13/16		
Clear Height Of Portal		m	~13		
Tail Slewing Radius		m	~17		
Rotary Disc Tail Slewing Radius		m	⩽15		
In-service Maximum Wind Pressure		N/m	250		
Out of-service Maximum Wind Pressure		N/m	1000		
In-service Maximum Wheel Pressure		KN	450		
Steel Track Recommended			Qu50		
Installed Capacity		kw	220		