

Technical Description

Gantry Crane



Shenghua Heavy Crane Group

Contents

Single Girder Gantry Crane	3
Double Girder Gantry Crane	4
L Type Single Girder Gantry Crane	6
Truss Type Gantry Crane	8
Gantry Crane for Highway Construction	9
Gantry Crane for Subway Construction	10
Shipbuilding Gantry Crane	11
Gantry crane for casting yard	12
Rail Mounted Container Gantry Crane	12
Rubber Tired Gantry Crane	13
Portable & Mini Gantry Crane	15
Semi Gantry Crane	15

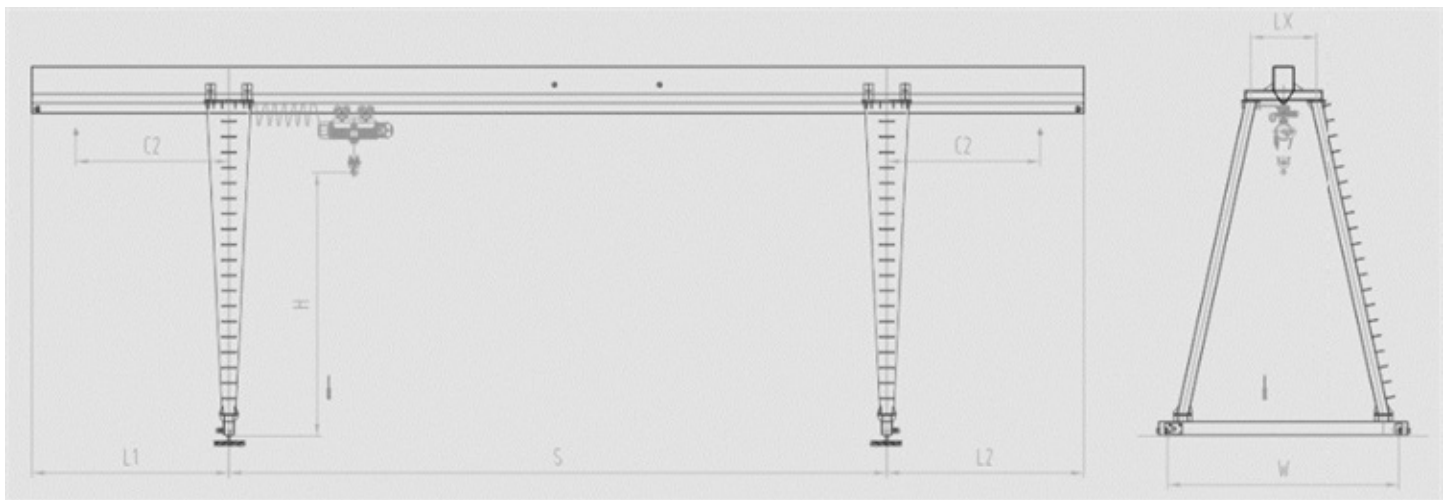
Gantry Crane

Gantry cranes are widely used when the lifting is needed without the cost of a building or support steel work. The gantry cranes can be placed indoors or outdoors, used for activities in factories, pre-cast segment yards, construction sites and other application.

We providing our customers with the expertise acquired through many years of experience in the areas of installation, load testing, commissioning and after sales support.



Single girder gantry crane



Single girder gantry crane is a kind of outdoor cranes equipped with CD/MD type electric hoists and widely used indoor and outdoor such as workshop, warehouse, store yard, railway and so on.

Product Overview

Single girder gantry crane is mainly consisted of gantry frame, that is main single girder, legs, bottom end beams, lifting mechanism, travelling mechanism, and electrical control. It can be designed with two hanging arms, one hanging arm or no-hanging arm according to client's lifting requirements and application environment.



About the main beam and support leg, there are two types: box type and truss type, box type is good techniques and easy fabrication, truss type is light in dead weight and strong in wind resistance. The complete machine features light dead weight, simple structure and easy installation and maintenance and widely used.

Capacity	T	10				
Span	m	12	16	20	24	30
Lifting height	m	6/9				
Lifting speed	m/min	7 0.7/7				
Trolley travelling speed	m/min	20				
Crane travelling speed	m/min	20				
Max. Wheel load	KN	97/102	105/110	113/118	121/126	149
Rail recommended	Model	P38		P43		
Main dimension (mm)	Span (m)	12	16	20	24	30
Total weight	t	14.8/16.1	16.7/18.7	19.6/21.6	24.4/26.6	30.1
Crane base distance	B1	5500/6500			6500/7500	
Crane width	B2	6000/7100			7100/8100	

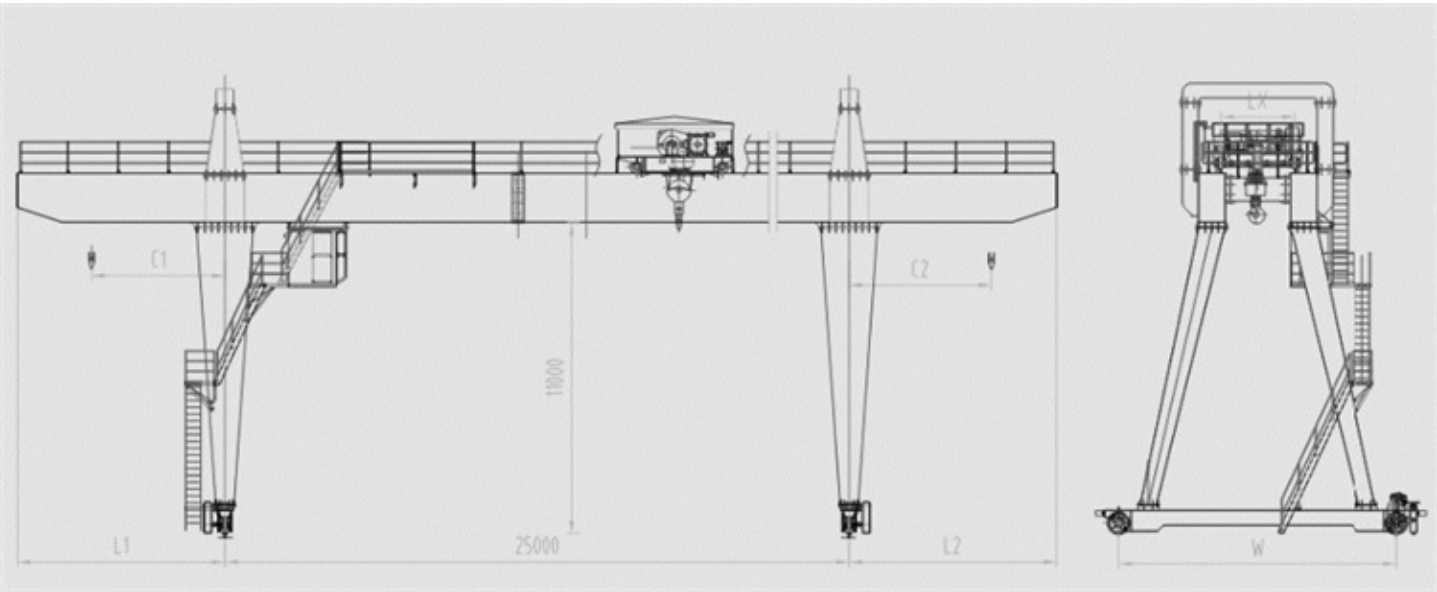
Capacity	T	3			
Span	m	12	16	20	24
Lifting height	m	6/9			
Lifting speed	m/min	8 0.8/8			
Trolley travelling speed	m/min	20			
Crane travelling speed	m/min	20			
Max. Wheel load	KN	37/42	40/46	44/50	48/54
Rail recommended	Model	P34 P38			
Main dimension	Span	12	16	20	24
Total weight	t	7.4/8.7	8.6/9.9	11.3/12.6	13/14.3
Crane base distance	B1	5000/6000		6000/7000	
Crane width	B2	5400/6400		6500/7500	

Capacity	T	16				
Span	m	12	16	20	24	30
Lifting height	m	6/9				
Lifting speed	m/min	3.5 0.35/3.5				
Trolley travelling speed	m/min	20				
Crane travelling speed	m/min	20				
Max. Wheel load	KN	143/150	152/159	165/174	169/176	190
Rail recommended	Model	P38		P43		
Main dimension (mm)	Span (m)	12	16	20	24	30
Total weight	t	15.2/18.2	18.9/21.9	21.8/24.8	27.0/30.0	32.8
Crane base distance	B1	6500/7000			7500/8500	
Crane width	B2	7000/7500			8200/9200	

Capacity	T	5			
Span	m	12	16	20	24
Lifting height	m	6/9			
Lifting speed	m/min	8 0.8/8			
Trolley travelling speed	m/min	20			
Crane travelling speed	m/min	20			
Max. Wheel load	KN	54/59	62/67	70/75	78/83
Rail recommended	Model	P24		P38	
Main dimension (mm)	Span (m)	12	16	20	24
Total weight	t	8.4/9.8	9.6/11.2	13.6/15.2	18.3/20.4
Crane base distance	B1	5500/6500		6500/7500	
Crane width	B2	6000/7000		7100/8100	

Capacity	T	20				
Span	m	12	16	20	24	30
Lifting height	m	6/9				
Lifting speed	m/min	3.5 0.35/3.5				
Trolley travelling speed	m/min	20				
Crane travelling speed	m/min	20				
Max. Wheel load	KN	198/206	218/226	232/240	265/273	302/310
Rail recommended	Model	P38		P43		
Main dimension (mm)	Span (m)	12	16	20	24	30
Total weight	t	16.8/17.5	21.6/22.4	25.0/25.9	31.0/32.1	38.0/39.2
Crane base distance	B1	6500/7000				7500/8500
Crane width	B2	7000/7500				8200/9200

Double girder gantry crane



Double girder gantry crane is heavy gantry crane with double girders, which is widely used for general purpose.

Double girder gantry crane are heavy duty crane, used at indoors and outdoors places where overhead crane runways are not practical.

Product Overview

Compared with the single girder crane, double girder gantry crane is more powerful and the gantry crane design is more complex. It is mainly used to lifting heavy loads, with high working strength, in sever working condition, or with other special working demands.

Double girder gantry crane composed of gantry, crane crab, trolley traveling mechanism, cab and electric control system, the gantry is box-shape structure, the track is at the side of each girder and the leg is divided into type A and type U according to user's requirements.

The control method could be ground control, remote control, cabin control or both, in the cab there are adjustable seat, insulating mat on the floor, toughened glass for the window, fire extinguisher, electric fan and auxiliary equipment such as air condition, acoustic alarm and interphone which can be furnished as required by users.

Capacity	T	5				
Span	m	18	22	26	30	35
Lifting height	m	10/12				
Lifting speed	m/min	9.2				
Trolley travelling	m/min	37.2				
Crane travelling speed	m/min	37.7				
Max. Wheel load	KN	180	190	200	230	240
Rail recommended	Model	P43				
Total motor power	kw	27.8				
Main dimension	Span	18	22	26	30	35
Rail top to hook	H1	10000			12000	
Crane base distance	W	6600			7200	
Crane width	B	8154			8754	
Trolley rail distance	K	1400				
Hook left limitation	C1	5000			7500	
Hook right limitation	C2	6500			7500	
Left cantilever jib	L1	6500			9000	
Right cantilever jib	L2	6500			9000	

Capacity	T	10				
Span	m	18	22	26	30	35
Lifting height	m	10/12				
Lifting speed	m/min	8.5				
Trolley travelling	m/min	43.8				
Crane travelling speed	m/min	37.7			40.1	
Max. Wheel load	KN	230	260	280	300	320
Rail recommended	Model	P43				
Total motor power	kw	37.6				
Main dimension	Span	18	22	26	30	35
Rail top to hook	H1	10000			12000	
Crane base distance	W	9000		9300		9400
Crane width	B	10554		11150		11250
Trolley rail distance	K	7000				
Hook left limitation	C1	4500	5500	6500	7500	8500
Hook right limitation	C2	4500	5500	6500	7500	8500
Left cantilever jib	L1	6500	7500	8500	9500	10500
Right cantilever jib	L2	6500	7500	8500	9500	10500



Product Features

- ◆ Double girder gantry crane, Compact structure design, Reliable and Trustable
- ◆ Limit switch for lifting and long traveling, protect from colliding
- ◆ Improved travel system help double girder gantry crane running more smoothly
- ◆ Easy and comfortable operation make your working a high efficiency

Capacity	T	16/3.2				
Span	m	18	22	26	30	35
Lifting height	m	10/10.5; 12/12.5				
Lifting speed	m/min	7.9/11.2				
Trolley travelling	m/min	36.3				
Crane travelling speed	m/min	40.1			37.3	
Max. Wheel load	KN	330	350	210	230	245
Rail recommended	Model	P43/QU80				
Total motor power	kw	63.3/71.3				
Main dimension	Span	18	22	26	30	35
Rail top to hook	H1	10000			12000	
Crane base distance	W	9400		7908		7958
Crane width	B	11250		11440		11490
Trolley rail distance	K	7000				
Hook left limitation	C1	4500	5500	6500	7500	8500
Hook right limitation	C2	4500	5500	6500	7500	8500
Left cantilever jib	L1	7000	8000	9000	10000	11500
Right cantilever jib	L2	7000	8000	9000	10000	11500

Capacity	T	20					
Span	m	18	22	26	30	35	
Lifting height	m	10/10.5					
Lifting speed	m/min	7.1/9.2					
Trolley travelling speed	m/min	44.6					
Crane travelling speed	m/min	44					
Max. Wheel load	KN	360	380	400	445	460	
Rail recommended	Model	QU70					
Total motor power	kw	77					
Main dimension (mm)	Span(m)	18	22	26	30	35	
Rail top to hook center	H1	10000					
Crane base distance	W	10000					
Crane width	B	12166					
Trolley rail distance	K	7000					
Hook left limitation	C1	5000			7500		
Hook right limitation	C2	5000			7500		
Left cantilever jib	L1	7500			10000		
Right cantilever jib	L2	7500			10000		

Capacity	T	40					
Span	m	18	22	26	30	35	
Lifting height	m	10/10.3					
Lifting speed	m/min	6.3/8.5					
Trolley travelling speed	m/min	38.5					
Crane travelling speed	m/min	38			40.1		
Max. Wheel load	KN	280	295	310	355	370	
Rail recommended	Model	50kg/m					
Total motor power	kw	114.5			132.5		
Main dimension (mm)	Span(m)	18	22	26	30	35	
Rail top to hook center	H1	10000					
Crane base distance	W	8300			8400		
Crane width	B	11456			12362		
Trolley rail distance	K	7000					
Hook left limitation	C1	5000			7500		
Hook right limitation	C2	5000			7500		
Left cantilever jib	L1	7500			10000		
Right cantilever jib	L2	7500			10000		

Capacity	T	32				
Span	m	18	22	26	30	35
Lifting height	m	10/10.79				
Lifting speed	m/min	6.3/9.2				
Trolley travelling speed	m/min	42.4				
Crane travelling speed	m/min	38			40.1	
Max. Wheel load	KN	250	265	280	315	330
Rail recommended	Model	QU70				
Total motor power	kw	91.3			109.3	
Main dimension (mm)	Span(m)	18	22	26	30	35
Rail top to hook center	H1	10000				
Crane base distance	W	8300			8400	
Crane width	B	11652			12362	
Trolley rail distance	K	7000				
Hook left limitation	C1	5000			7500	
Hook right limitation	C2	5000			7500	
Left cantilever jib	L1	7500			10000	
Right cantilever jib	L2	7500			10000	

Capacity	T	50					
Span	m	18	22	26	30	35	
Lifting height	m	10/10.94					
Lifting speed	m/min	5.9/8.5					
Trolley travelling speed	m/min	38.5					
Crane travelling speed	m/min	40.1			44		
Max. Wheel load	KN	360	380	400	430	450	
Rail recommended	Model	QU80					
Total motor power	kw	132.5				148.5	
Main dimension (mm)	Span(m)	18	22	26	30	35	
Rail top to hook center	H1	10000					
Crane base distance	W	8400			8500		
Crane width	B	12362			12670		
Trolley rail distance	K	7000					
Hook left limitation	C1	5000			7500		
Hook right limitation	C2	5000			7500		
Left cantilever jib	L1	8000			10500		
Right cantilever jib	L2	8000			10500		

L Type Single girder gantry crane

L type single girder gantry crane with hook is applied for handling and convey operation outdoors, or at warehouse, stock ground, railway station, sea port cargo area, etc.

This gantry crane has the features of easy installation, big clearance, good operation vision, integrated console control and reasonable whole institutional arrangement.

Product Overview

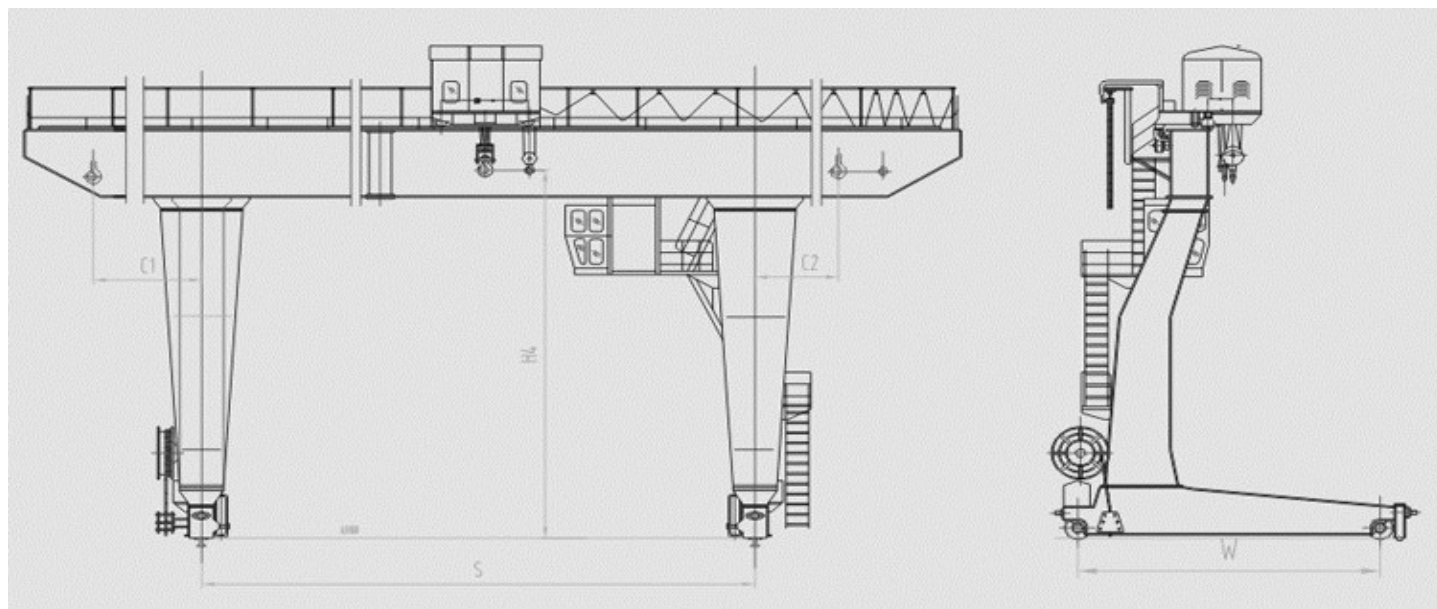
L type single girder gantry crane is composed of bridge, L type support leg, crane travelling organ, trolley, electric equipment. The frame adopts box-type welding mechanism, the L type single leg is welding structure in order to increases the work space, and it is convenient for the transportation, installment and maintains.

L type single girder gantry crane with hook is applied for handling and convey operation outdoors, or at warehouse, stock ground, railway station, sea port cargo area, etc.

Product Features

- ◆ Light structure, easy installation and maintenance
- ◆ Reasonable structure, strong bearing capacity
- ◆ Low noise, soft starting and stopping
- ◆ Low cost maintenance, long working life
- ◆ Strong box type, welding by machine hand





Product Specifications

Capacity	T	5				
Span	m	18	22	26	30	35
Lifting height	m	10/11				
Lifting speed	m/min	9.2				
Trolley travelling speed	m/min	36.6				
Crane travelling speed	m/min	46.25		40.1		
Max. Wheel load	KN	160	166	185	213	233
Rail recommended	Model	43kg/m				
Total motor power	kw	27.8		36.8		
Main dimension (mm)	Span(m)	18	22	26	30	35
Rail top to crane top	H	12590		13590		
Rail top to hook center	H4	10		11		
Crane base distance	W	6500		7000		
Crane width	B	8000		8650		
Trolley rail distance	K	899		999	1149	1249
Hook left limitation	S1	6700		8700		
Hook right limitation	S2	7000		9400		

Capacity	T	10				
Span	m	18	22	26	30	35
Lifting height	m	10/11				
Lifting speed	m/min	8.5				
Trolley travelling speed	m/min	39.7				
Crane travelling speed	m/min	39.6		40.1		
Max. Wheel load	KN	177	182	189	215	222
Rail recommended	Model	43kg/m				
Total motor power	kw	38		47		
Main dimension (mm)	Span(m)	18	22	26	30	35
Rail top to crane top	H	13600			14600	
Rail top to hook center	H4	10			11	
Crane base distance	W	8730		9230		
Crane width	B	7000		7500		
Trolley rail distance	K	1050	1150		1350	
Hook left limitation	S1	7000			9000	
Hook right limitation	S2	7000			9300	

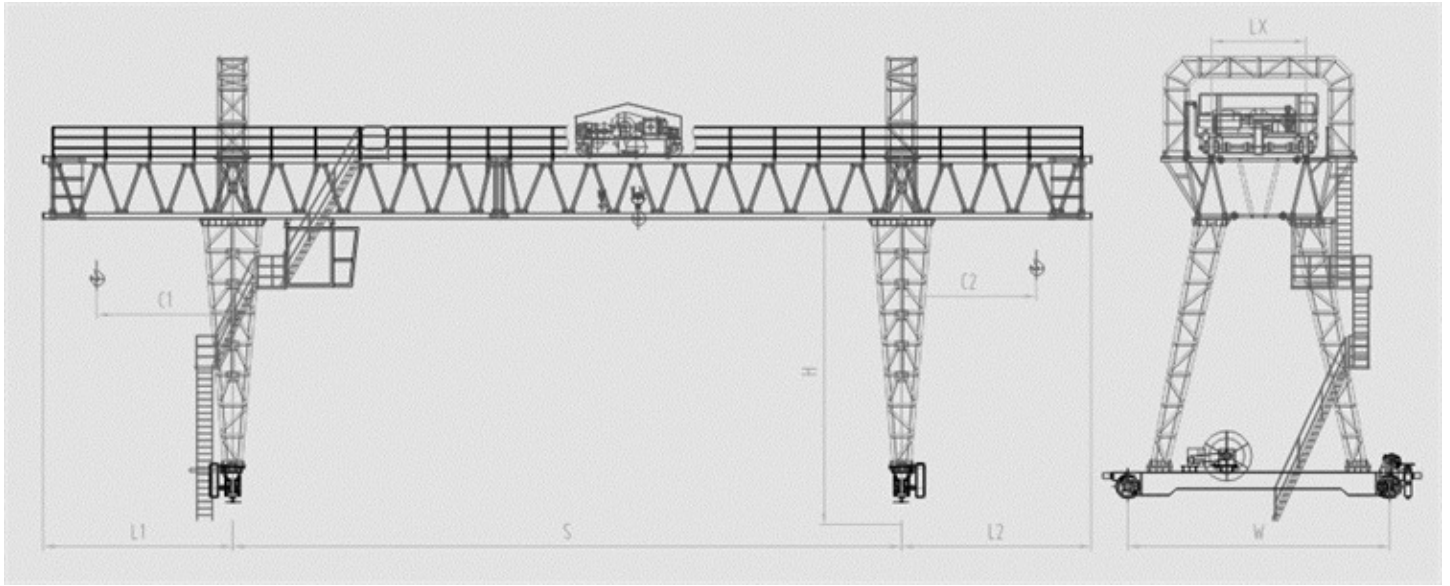
Capacity	T	16				
Span	m	18	22	26	30	35
Lifting height	m	10/11				
Lifting speed	m/min	7.9/11.2				
Trolley travelling speed	m/min	39.5				
Crane travelling speed	m/min	40.1		47.1		
Max. Wheel load	KN	298	306	307	370	383
Rail recommended	Model	43kg/m				
Total motor power	kw	64.6		75.6		
Main dimension (mm)	Span(m)	18	22	26	30	35
Rail top to crane top	H	13850		14850		
Rail top to hook center	H4	10		11		
Crane base distance	W	7000	7500		7500	
Crane width	B	8750	9250		9500	
Trolley rail distance	K	1150	1250		1350	1450
Hook left limitation	S1	7200		9200		
Hook right limitation	S2	7800		10500		

Capacity	T	20				
Span	m	18	22	26	30	35
Lifting height	m	10/11				
Lifting speed	m/min	7.1/9.2				
Trolley travelling speed	m/min	39.3				
Crane travelling speed	m/min	40.1		47.1		
Max. Wheel load	KN	340	346	362	419	432
Rail recommended	Model	43kg/m				
Total motor power	kw	67.3		78.3		
Main dimension (mm)	Span(m)	18	22	26	30	35
Rail top to crane top	H	13860			14860	
Rail top to hook center	H4	10			11	
Crane base distance	W	7500		8000		
Crane width	B	9250		10000		
Trolley rail distance	K	1250	1350		1550	
Hook left limitation	S1	7200		9200		
Hook right limitation	S2	7900		10400		

Capacity	T	32				
Span	m	18	22	26	30	35
Lifting height	m	10.85/11.85				
Lifting speed	m/min	6.3/9.2				
Trolley travelling speed	m/min	38.6				
Crane travelling speed	m/min	48.2	38.6			
Max. Wheel load	KN	457	470	250	265	285
Rail recommended	Model	QU80				
Total motor power	kw	85.5			93.5	
Main dimension (mm)	Span(m)	18	22	26	30	35
Rail top to crane top	H	14380		14380	15180	
Rail top to hook center	H4	10			11	
Crane base distance	W	8000			8500	
Crane width	B	10006			11452	
Hook left limitation	S1	8000				10000
Hook right limitation	S2	8000				10000

Capacity	T	50				
Span	m	18	22	26	30	35
Lifting height	m	10/12				
Lifting speed	m/min	5.9/8.5				
Trolley travelling speed	m/min	38.5				
Crane travelling speed	m/min	39.7				
Max. Wheel load	KN	350	355	359	363	378
Rail recommended	Model	QU80				
Total motor power	kw	141				
Main dimension (mm)	Span(m)	18	22	26	30	35
Rail top to crane top	H	14750		16750		
Rail top to hook center	H4	10		12		
Crane base distance	W	8500		9000		
Crane width	B	12060		12560		
Hook left limitation	S1	8000		10000		
Hook right limitation	S2	8000		10000		

Truss Type gantry crane



The truss gantry crane has latticed structure with a small windward area, light weight, good lifting ability and so on.

Truss type gantry crane is ideal for outdoor applications where lifting devices can be applied without the cost of supporting steelwork.

This product can be controlled on ground and operating room, there are 3 ways to enter the room, side, end face and top to meet the needs of users in a variety circumstances.

Product Overview

The truss gantry crane is an ideal lifting equipment employed in the warehouse, freight yard, terminals and other places.

Truss gantry cranes are a variation from the typical beam or box girder that becomes economical when long crane spans are required. Additionally, many truss girders allow the hoist to be located "up into" truss thereby offering much better hook height than a single beam or box girder crane.

Also, truss gantry cranes are typically more economical than long span beam or box girder cranes. Truss girder cranes offer almost limitless span - but capacity is often restricted with longer spans. Truss girders are also used on outdoor long span cranes in order to reduce effects of wind on the crane drive system.



Gantry Crane for Highway Construction

This gantry crane for highway construction is employed to lift the concrete beam or bridge on to the supports of highway construction.

This gantry crane has no pressure and damage to the highway beam/bridge because the legs can be landed on the supports.

Product Overview

It consists of girder longitudinal flat car, girder components, support system, crane transverse, longitudinal shift system, hydraulic system, electric control system, etc.

With the high-speed development of highway construction, Shenghua Heavy Crane Group is developing various highway cranes adapting to the different working and use requirements such as skew bridge, curved bridge, dislocation bridge, heavy beam, variable beam, double-direction construction, construction in tunnels, etc.

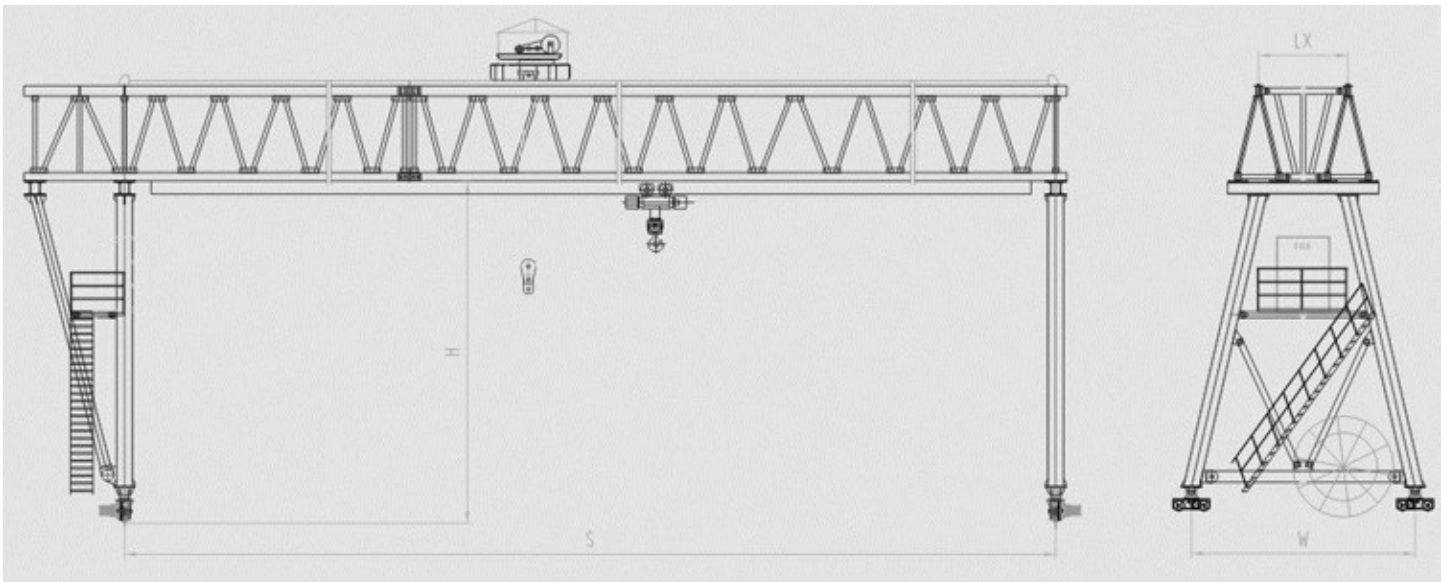
Product Features

- ◆ Horizontal operation landing the beam in place at one time
- ◆ Suitable for the construction of inclined (curved) bridge
- ◆ The legs are not landed on bridge deck when longitudinal moving, reducing the pressure on the beam/bridge deck

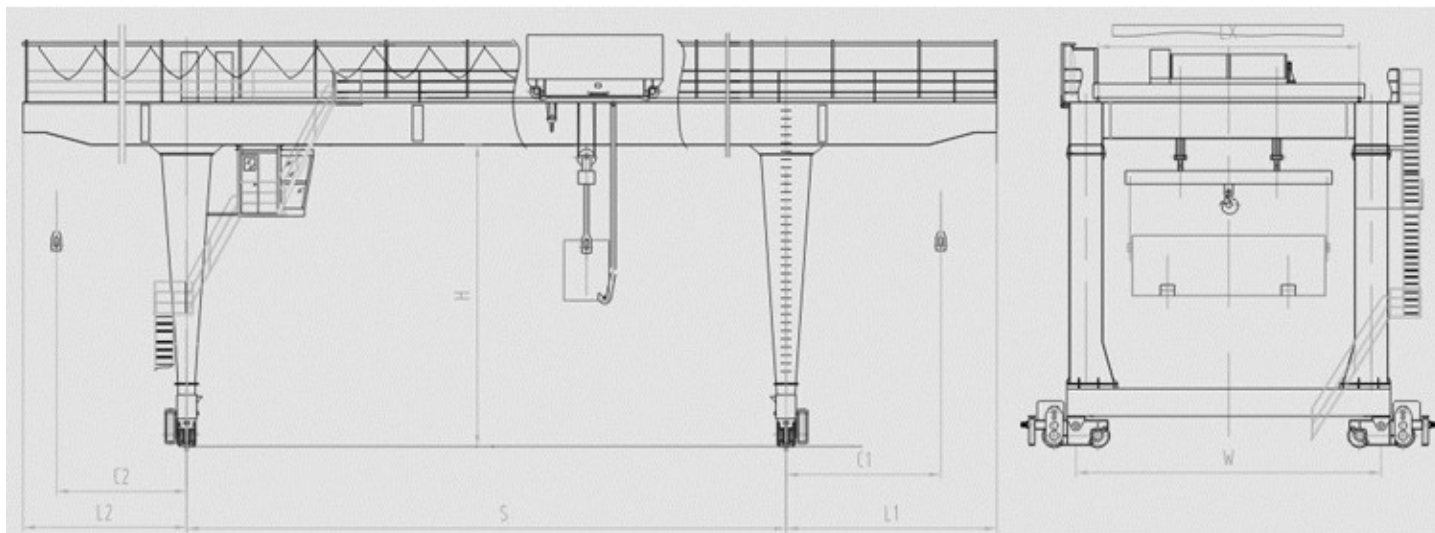


Product Specifications

Lifting Capacity		t	60	80	100	150
Concrete Beam Span		m	20-30	20-35	30-40	35-50
Slope			=1/20			
Turning Radius		m	200	250	300	350
Oblique Bridge Angle			=15°			
Trolley Speed	Lifting	m/min	1	1.2	0.8	0.6
	Vertical		6/0.6			
Crane Speed	Horizontal					
	Vertical					
Concrete Beam Carrier Speed						
Total Weight		t	84	95	146	180
Power Supply			3P, AC, 50Hz, 380V			



Gantry Crane for Subway Construction



Name			Model		Operation		Working System	Power Source
Subway Gantry Crane			MG		Air Operation		A6	Three Phase Current
Capacity	Span(M)	Lifting Height(M)	Speed m/min			Total Power(KW)	Max Wheel Loading(KN)	Recommended Track
			Lifting	Trolley	Crab			
50	24	9/15	1.2-12 2-20	30	25	155	35	QU80

With the fast development of subways, the construction machines, especially the cranes, are becoming an important role for the subway construction.

The gantry crane for subway construction is used for dealing the dregs and site material handling during subway construction.

Product Overview

Shenghua Heavy Crane Group has rich experience and many project cases on subway construction gantry crane.

The span of subway construction gantry crane is suitable for various working conditions.

The gantry crane for subway construction is equipped special spreader and realize the interchange of dregs bucket and the hook. The trolley is rotatable, and can realize the front, side transporting dregs.



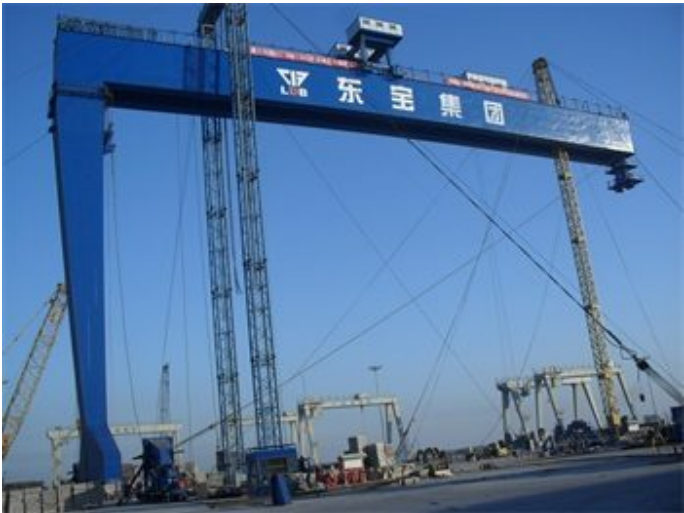
Shipbuilding Gantry Crane

One of the most important variables in the productivity of a shipyard is the size and completeness of the blocks that make up the hull. When a big hull block needs lifting, it's time for the shipbuilding gantry crane to take over.

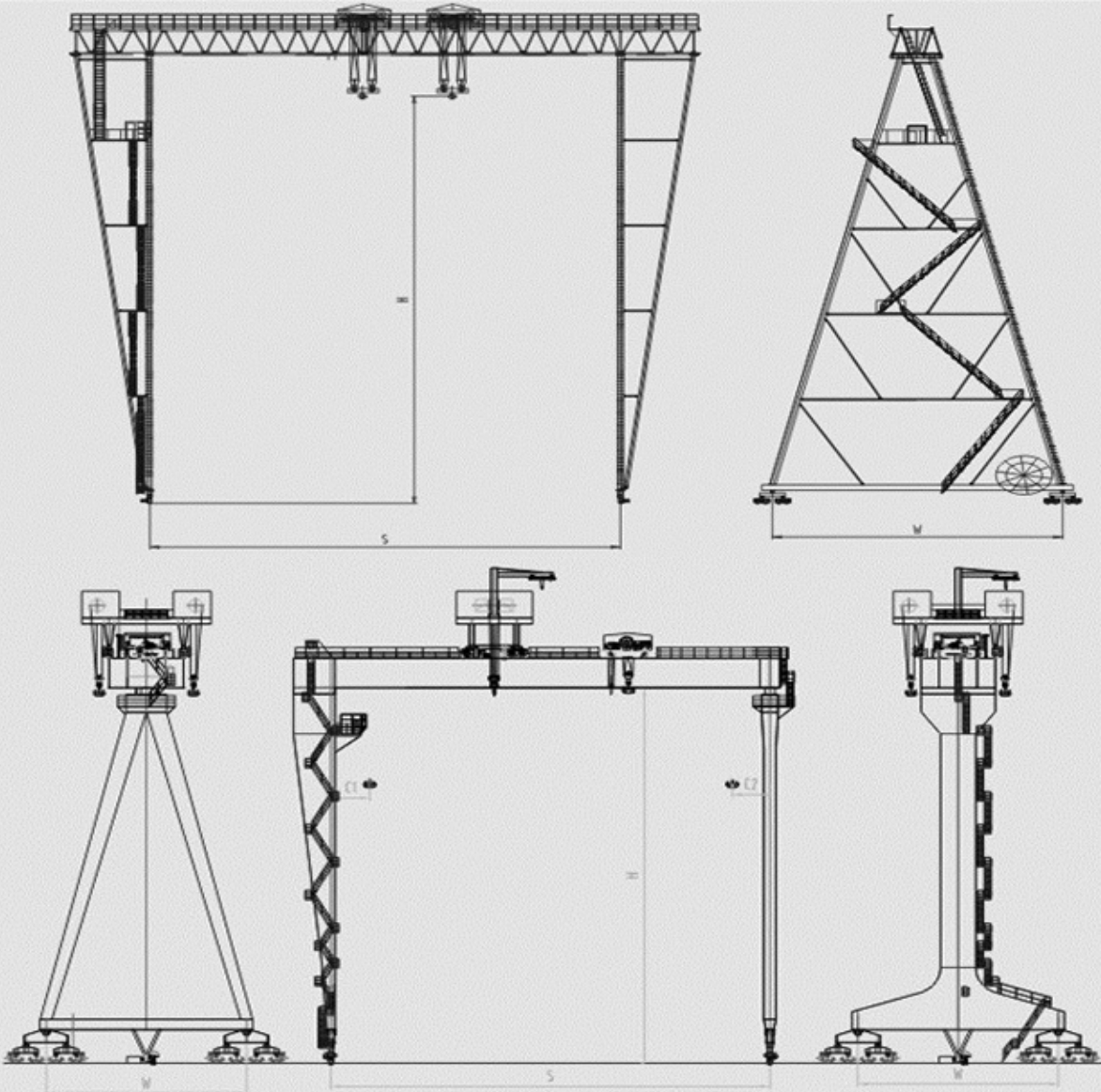
Product Overview

The ship building gantry crane can be single girder gantry crane and double girder gantry crane.

The single girder gantry crane for ship building is mainly composed of steel gantry frame, upper trolley, lower trolley, trolley travelling mechanism, maintenance, lubrication, elevator and electric equipment. And there are rail clamp device (or wheel actuator), anchor device, lifting weight limiter system, wind speed and direction system, limit switch of each mechanism, and the other safety protection device for this crane.



Lifting capacity		2×50+100	2×75+100	2×100+160	2×150+200	2×400+400
Two trolleys lifting	t	150	200	300	500	1000
Section reverse		100	150	200	300	800
Work classifications		A5				
Span	m	50	70	38.5	175	185
Lifting height	H1	35	50	28	Oct-65	76/13
	H2	35	50	28	Oct-65	76/13
Lifting speed	Full load	0.5~5	0.5~5	0.4~4	0.5~5	0.32~3.2
	No load	1~10	1~10	0.8~8	1~10	0.64~6.4
Crane travelling	Full load	2.5~25	2~20	3~30	1~25	3~30
	No load	3.5~35	3~30	4.5~45	1~30	3~40
Trolley travelling	Full load	2.5~25	2.5~25	3~30	1~25	3~30
	No load	2.5~35	2.5~35	3~45	1~30	3~40
Wheel load	KN	260	320	330	700	750
Total power	KW	400	530	650	1550	1500
Power		3-phase AC 50Hz 10KV				



Gantry crane for casting yard

The precasting yard gantry crane is a special gantry crane which usually used to loading, unloading, hoisting or transporting the precast beam in the casting yard.

Product Overview

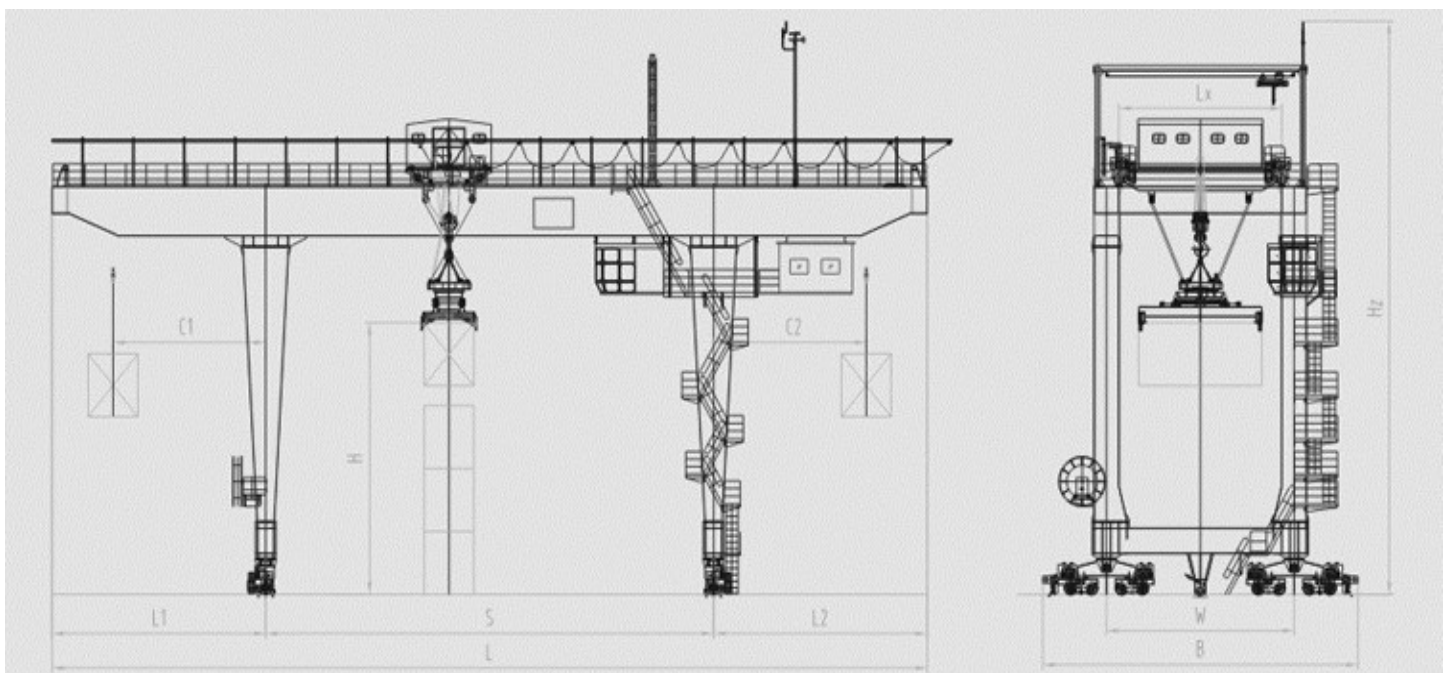
The precasting yard gantry crane consist of four main parts, namely, the bridge structure, the crane traveling mechanism, the trolley and the electric equipment.

It's main girder design is used more triangle truss structure, bent steel welding employment with lower chord board, add with channel steel welding core board, abdominal pole adopts double girder stanza, joint with pin shaft link. Teams legs used steel structure, steel pipe with legs between stabilizer rod connected into triangle stable structure.

All movements of the crane are controlled in the operating room. Crane has two conductive forms, Cable and Sliding contact line. When buy this crane, any form will be fine, and also tell us the crane's working environment and Power source.



Rail Mounted Container Gantry Crane



Rail Mounted Container Gantry Crane (RMG) is a professional container loading and unloading equipment, container gantry cranes move on the designed rail and equipped with automatic container spreaders.

Product Overview

Rail mounted container gantry crane is mainly consists of the steel structure, lifting mechanism, micro-transfer mechanism, spreader anti-sway system, crane travelling mechanism, container spreaders, electrical equipment, and other necessary auxiliary equipments.

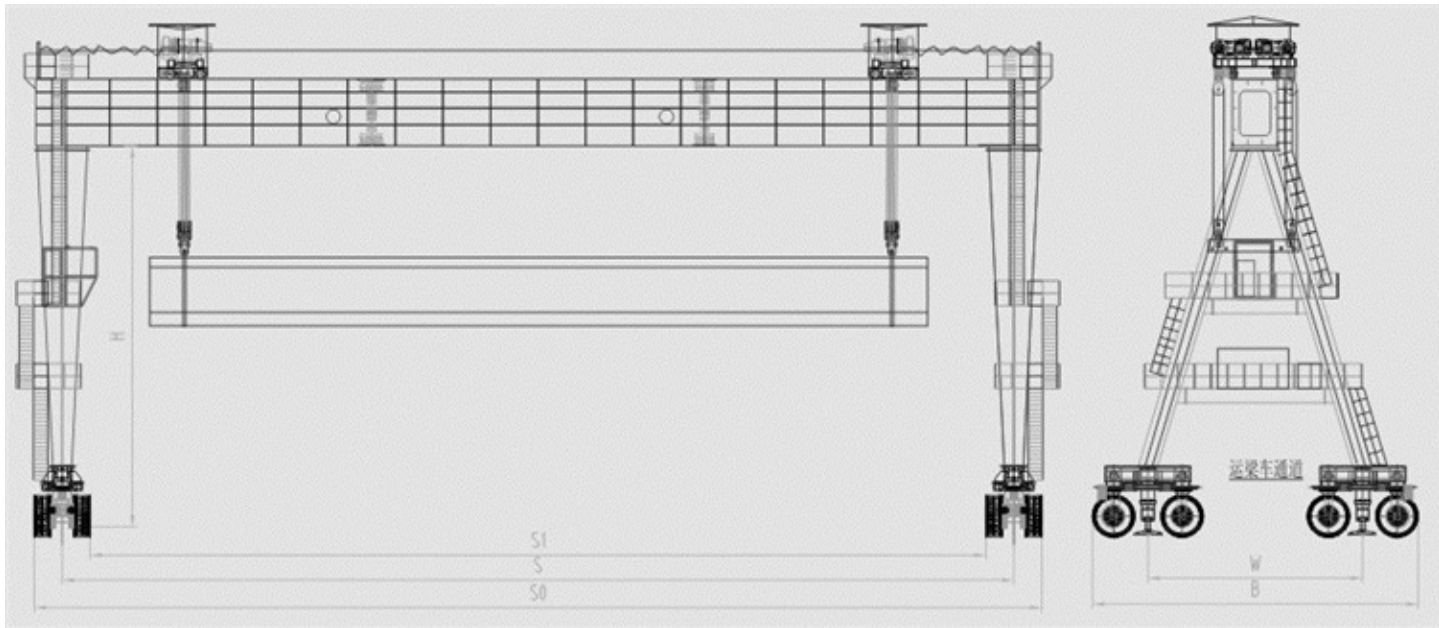
Rail mounted container gantry crane mainly used on container yard, container depot for container handling, also container gantry

container handling, also container gantry cranes can be used for small vessels in inland water container loading port , the hook under automatic spreader handles the loading and unloading of of bulk goods. Container cranes have the advantages of high efficiency, and high usability , lower cost in maintenance and daily operation ,easy to control etc.

Lifting Capacity		t	Under Sling or Spreader
Span		m	30
Lifting Height		m	16
Working System			A6
Load and Unload			20', 40', Container
Speed	Hoisting	m/min	0-10
	Trolley Travelling		50-80
	Crane Travelling		30-50
Motor	Hoisting	Kw	YZP280M-8/2*55
	Trolley Travelling		YZP225M-6/2*22
	Crane Travelling		YZP180L-6/4*15
Weight	Trolley	t	52
	Total Weight		253
Max. Wheel Load		KN	260
Steel Track Recommended			P43
Power Supply			3P AC 50Hz 380V



Rubber Tired Gantry Crane



Rubber tired gantry crane is usually called RTG.

Rubber tired gantry crane is flexibly moved by its own rubber tires for transshipping containers in container storage yards or complete the hoisting, handling and loading of the box girder in the construction site.

Product Overview

Rubber tired gantry crane for construction site:

Adopts tyred walk line technology, the machine go line, steering, lifting all by the hydraulic pressure drive, to achieve straight, oblique line, transverse line and other modes of walking, can meet all the preset box girder handling operation.

Rubber tyred gantry crane can conduct cross-span work. It can lift the intergrally assebled launching gantry up to the bridge, also can lift the precast girder onto the girder trolley accordingly.

It's advantages are the adaptability of the equipment, high efficiency, small footprint and no need to lay the track. In the construction of China high-speed road, the preset field use the equipment to complete the hoisting, handling and loading of the box girder.

Rubber tired gantry crane for containers:

It's generally used to handle containers, boats/yacht, large component at the loading/unloading places and container yard. This crane is fitted with multiple hooking point's spreaders to meet the needs of different lifting situations. The whole crane can carry out 360° steering with flexible movement.

Full hydraulic drive for crane traveling mechanism and lifting mechanism with step less speed change. The long traveling use hydraulic closed circuit with good transmission efficiency, less fault. There are safety indicator and overlord limiter to ensure safety of operators and products. All operation are controlled by CAN-BUS control.

Model	LJ35/40-23	Light Type LJ40-32
Lifting Capacity(under spreader)(t)	35, 40	40
Work Duty	A7, A8	A6, A7
Span (m)	23, 47	23, 47
Lifting Height (m)	12.2~17.8	16.5
Stack Layers/Passing Layers	3/4~5/6	5/6
Container Model	20', 40', 45'	20', 40', 45'
Spreader Rotating Angle	±5°	±5°
Hoisting Speed (m/min)	13/26, 23/52	12/18, 18/28
Cross Travel Speed (m/min)	50, 70	24
Long Travel Speed (m/min)	Full Load-90, Without	Full Load-20 Without
Max. Wheel Load (KN)	310	310
Total Rating (KW)	150, 230	110, 150
Power Supply	Electric, Diesel Engine, Electric-diesel Engine	



Portable & Mini gantry crane

Portable gantry crane and mini gantry crane is widely used in the workshop, warehouse, garage, and many other indoor and outdoor places for it's equipped with the features of light dead weight and easy operation.

Product Overview

Portable & Mini Gantry Crane is manufactured for lifting equipment, loading and unloading of the warehouse, maintaining heavy-duty equipment and transporting materials, applicable for small and medium factory. Compared with the heavy-duty gantries, this crane is omni-directional movability, fast to assembly and small volume, and is available to move and disassemble from one worksite to another easily.

Suitable occasions

Flat ground, warehouse, logistics center, production workshop, Laboratory, clean room, etc.

Capacity	t	1	2	3	5	10
Span Length	S(m)	3~6	3~6	3~6	3~6	3~6
Lifting Height	m	2.5~6	2.5~6	2.5~6	2.5~6	2.5~6
Lifting Speed	m/min	0.8/8	0.8/8	0.8/8	0.8/8	0.7/7
Trolley Speed<	m/min	2~20	2~20	2~20	2~20	2~20
Work Duty		A2~A3	A2~A3	A2~A3	A2~A3	A2~A3
Wheel Dia.	mm	150	150	150	150	200

Product Features

- ◆ Light dead weight, compact structure, flexible and small wheel load
- ◆ Rapid assembly and disassembly
- ◆ It offers a safe operation environment
- ◆ Portable design allows for relocation for use in more than one facility or work area
- ◆ Brake bearing universal wheel can move on the ground, reduce the human power, production costs, and improve work efficiency



Semi gantry crane

Semi gantry crane is a small or middle scale gantry crane with one side of crane girder supported by one unilateral leg which can travel on the ground track, and the other side supported on the bracket track, which could save cost and space of the factory.

Product Overview

The mechanical structure of semi gantry crane is mainly consisted of crane bridge, travelling mechanism, trolley part, and electrical part, etc.



There are tow types semi gantry crane:

◆ The single girder semi gantry crane is a general purpose light crane used in workshop or outdoors. The leg height of this single girder semi-gantry crane can be different according to the engineering needs on the construction field. The single girder semi gantry crane has the features of simple structure, easy installation, light weight, good wind resistance. The Main girder is mostly bias rail box type structure. Compared with the double girder gantry crane, the lifting capacity is smaller, it can be remote control and floor control.

◆ The double girder semi gantry crane is combining the advantages of the full gantry crane and overhead crane. It is widely applied to do loading and unloading work in indoor or outdoor.

Capacity	T	5			
Span	m	10	12	16	20
Lifting height	m	6			
Lifting speed	m/min	8 or 8/0.8			
Trolley travelling speed	m/min	20			
Crane travelling speed	Ground	20			
Controlling Room		20/30			
Crane total weight	Kg	4300	4750	5500	6900
Max. Wheel load	KN	37/44	40/47	43/50	46/5
Rail recommended	Model	P24			
Total motor power	kw	9.9		11.3	
Main dimension (mm)	Span(m)	10	12	16	20
Crane base distance	B1	3500			
Crane width	B3	2000		2500	3000

Capacity	T	2			
Span	m	10	12	16	20
Lifting height	m	6			
Lifting speed	m/min	8 or 8/0.8			
Trolley travelling speed	m/min	20			
Crane travelling speed	Ground	20			
	Controlling	20/30			
Crane total weight	Kg	3250	3550	4050	5350
Max. Wheel load	KN	14	19	27	35
Rail recommended	Model	P24			
Total motor power	kw	4.6		6	
Main dimension (mm)	Span(m)	10	12	16	20
Crane base distance	B1	3300			
Crane width	B3	2000		2500	3000

Capacity	T	3			
Span	m	10	12	16	20
Lifting height	m	6			
Lifting speed	m/min	8 or 8/0.8			
Trolley travelling speed	m/min	20			
Crane travelling speed	Ground	20			
	Controlling	20/30			
Crane total weight	Kg	3500	3850	4550	6150
Max. Wheel load	KN	28	32	35	39
Rail recommended	Model	P24			
Total motor power	kw	6.5		7.9	
Main dimension (mm)	Span(m)	10	12	16	20
Crane base distance	B1	3300			
Crane width	B3	2000		2500	3000

Capacity	T	10			
Span	m	10	12	16	20
Lifting height	m	6			
Lifting speed	m/min	7 or 7/0.7			
Trolley travelling speed	m/min	20			
Crane travelling speed	Ground	20			
Controlling Room		20/30			
Crane total weight	Kg	6600	7500	8350	10650
Max. Wheel load	KN	78	85	94	103
Rail recommended	Model	P38			
Total motor power	kw	13		14.4	
Main dimension (mm)	Span(m)	10	12	16	20
Crane base distance	B1	3700			
Crane width	B3	2000		2500	3000



SHENGHUA HEAVY CRANE GROUP

Add: Crane Industrial Park, Xinxiang City, Henan Province, China

Email: sales@shenghuacrane.com

Mobile: +86 155 373 17599

Tel: +86 373-3808200

Web: <http://www.shenghuacrane.com/>