



YUANTAI CRANE

MDG Single-girder Gantry Crane Specifications



- Big lifting weight, low headroom, light wheel load, and steady traveling.
- Positioning fast, engineering design, and operating comfortable.
- Getting through strick test, long service life, and less maintenance.
- Safe and reliable, improving productivity, and creating more profit.

■ Part 1 Introduction

◆ Overview

Design and manufacture according to GB/T 14406 "General gantry crane".

Mainly made up of bridge, trolley, crane traveling mechanism and electric system.

All the procedure are finished in the operating room.

Applies to the open warehouse or rail along for general handling and lifting work.

Also can equipped with many lifting device for special work.

Prohibited for lifting high temperature solution, flammable, explosive, corrosion, overloading, dust and other dangerous operations.

◆ Features

(1) In General

The machine with novel structure, attractive appearance, advanced technology.

Flexible operation, safe and reliable.

The spare parts are standardization, generalization and serialization.

(2) Main Body

Single girder, welded box beams, the camber line is according to national standard.

Adopts high quality carbon steel, Q235B or Q345B.

The end truck adopts 10.9 high strength bolt connection.

The crane traveling mechanism adopts separated driving.

(3) Electric System

Module control speed, micro-speed and double speed.

Traveling and lifting smoothly.

The power for trolley moving adopts flat cable, sliding smoothly.

(4) Protection Devices

Preventing hook clashing the top.

Circuit self-test protection device.

Protecting the current lacking of any phase.

Outdoor cranes are equipped with hoisting mechanism, electrical control box and rainproof devices.

Anti-collision, sound and light alarm devices.

Equipped with rail clamp.

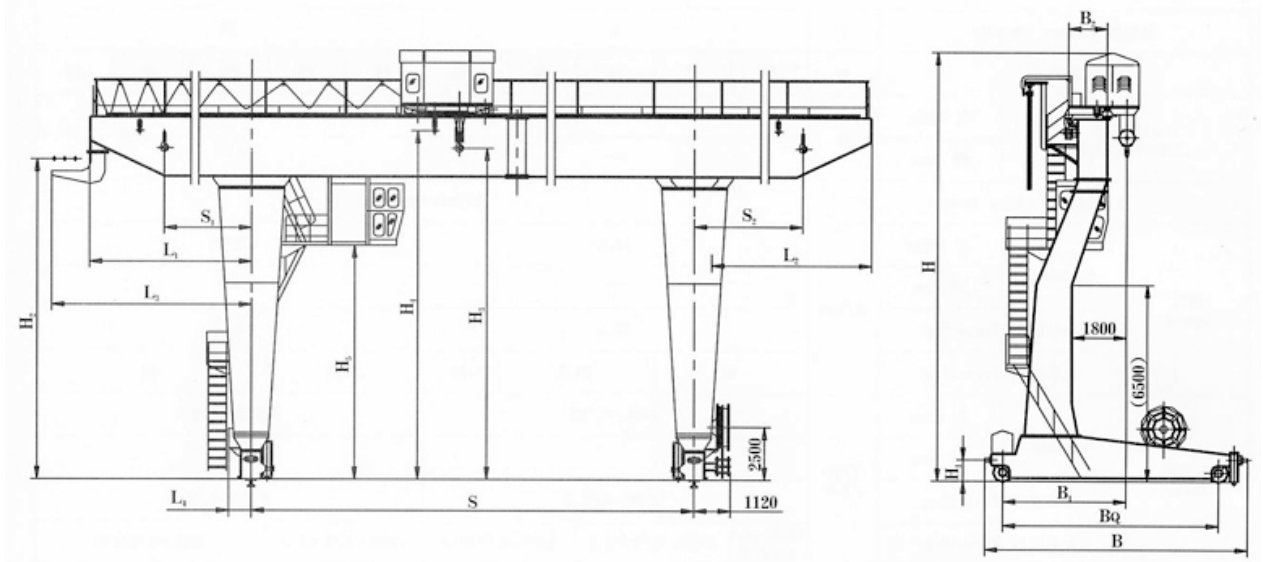
◆ Applications

Single-girder gantry crane with hook is used in outdoor storage, or loading and transporting along the railway.

Order instruction:

It is constituted with girder, crane traveling mechanism, trolley, electric equipment. Bridge frame use box welding structure, the crane traveling mechanism drive separately. The whole equipment is operated in a cab. Crane conductive form are cable and slippery touch line, you can choose any you need. If you select this kind of crane you must finish an ordering formal table, and remark the min and max temperature in working place, and the power source.

Part 2 Drawing



Part 3 Parameters

MDG Type Single Girder Gantry Crane 5t						
Span	S (m)	18	22	26	30	35
Lifting height	m	10	10	10	11	11
Lifting speed	m/min	11.3	11.3	11.3	11.3	11.3
Trolley speed	m/min	35.5	35.5	35.5	35.5	35.5
Crane speed	m/min	46.2	46.2	40.1	40.1	40.1
Lifting motor	kw	13	13	13	13	13
Trolley motor	kw	1.8	1.8	1.8	1.8	1.8
Total weight	kg	32300	34700	41000	48900	51900
Max Wheel Load	KN	160	166	185	213	233
Track		P43	P43	P43	P43	P43
Main dimension	mm	18	22	26	30	35
Rail top to main top	H	12442	12442	12442	13890	13890
Wheel base	W	6000	7000	7000	7000	7000
Crane width	B	8012	8650	8650	8650	8650
Hook left limitation	S1	5000	5000	5000	7000	7000
Hook right limitation	S2	5000	5000	5000	7000	7000
Left cantilever	L1	7012	7012	7012	8717	8717
Right cantilever	L2	6706	6706	6706	8717	8717

MDG Type Single Girder Gantry Crane 10t						
Span	S (m)	18	22	26	30	35
Lifting height	m	10	10	10	11	11
Lifting speed	m/min	9.6	9.6	9.6	9.6	9.6
Trolley speed	m/min	39.7	39.7	39.7	39.7	39.7
Crane speed	m/min	39.6	39.6	40.1	40.1	40.1
Lifting motor	kw	17	17	17	17	17
Trolley motor	kw	4	4	4	4	4
Total weight	kg	41300	45000	48600	58300	62300
Max Wheel Load	KN	225	236	240	286	300
Track		P43	P43	P43	P43	P43
Main dimension	mm	18	22	26	30	35
Rail top to main top	H	13595	13595	14595	14595	14595
Wheel base	W	7000	7000	7500	7500	7500
Crane width	B	8726	8726	9226	9226	9226
Hook left limitation	S1	5000	5000	5000	7000	7000
Hook right limitation	S2	5000	5000	5000	7000	7000
Left cantilever	L1	7012	7012	7012	9312	9312
Right cantilever	L2	7006	7006	7006	9006	9006



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Tips:

You can use the phone dimensional code recognition software to scan the right side of the two-dimensional code, to quickly and easily access our web site for more information.