

Design and fabricate according to FEM/DIN standard

Light duty & modular design

- 1.The overall height of the crane can be lower 20%~25% of the tradition crane.
- 2.The dead load reduced by 20%~30%.
- 3.The maximum wheel pressure can deduct by 15% ~ 20%
- 4.The small limit dimension can increase the working area.
- 5.With the lightness structure it can cut the construction costs.
- 6.Each spare parts on the crane can be design to series standard modulus , it can lavish the product combination
- 7.Its independent modulus is convenient for the transportation.
- 8.Standard modulus production, it can ensure stability quality of the product, it can shorten the delivery period.

Advanced Fabricated Technology

- 1.Sandblasting pretreatment for the steel plate, its surface quality can reach to Sa2.5.
- 2.Using digital cutting machine to cut the web plate, ensure the smooth and precision of the camber curvilinear.
- 3.Main welding seam adopts auto arc merged welding, Ultrasonic, X ray nondestructive inspection.
- 4.The bridge and trolley frame adopts floor type boring machine to ensure the flatness of the machine side.

High Security

- 1.The safety supervises system equipped with overload limiter, and on the monitor it can display the loads value, it can remind the operator to prevent the overload.
- 2.Before the start, the entire controller will start self checking, includes: power voltage, default phase, the effective of each safety protective device and zero position of the button.

High Reliability

- 1.Imported motor, the insulation grade is F, and protective grade is IP54, it shall also have over heated and alarming function, the motor cover adopts aluminum alloy to drawing the molding, with better heat dissipation.
- 2.Germany imported reducer, harden face gear, improve the bearing ability, better sealing of the shell, ensure there no grease penetration.
- 3.The main electric elements adopts the international brands include Schneider, Siemens, ABB. The protective grade of the electric control box shall no less than IP 54.
- 4.The wheel forged by 65 Mn alloy steel, with the performance of abrasive resistance, ant fatigue and long service life.

Low-energy and Maintenance-free

- 1.The total power of crane reduce about 30%, energy conservation and environmental protection.
- 2.The multi -in-one integrated transmission mechanism has less intermediate ring knot and high transmission efficiency.
- 3.Adopt frequency control, high and low speed ratio 1:10, work efficiency increased by more than 20%.
- 4.The “Maintenance-free and easy maintenance “ design concept reduces customer maintenance costs.
- 5.It uses advanced processing technology and high -quality imported components. Its failure rate has been greatly reduced compared to traditional GB crane, helping customers reduce operating costs.

Intelligentize

- 1.World’ s leading electrical anti- sway technology can be installed on the crane to achieve precise positioning.
- 2.Advanced electrical control technology can achieve the semi-automatic and automatic control lifting, so that the crane becomes " Lifting robot ."

Capacity (t)	Span (m)	Lifting Height (m)	Work Duty	Main Hoist Speed (m/min)	Aux.Hoist Speed (m/min)	Cross Travel Speed (m/min)	Long Travel Speed (m/min)	Rail	Total Power (Kw)
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5	13.5~19.5	18	A5	0.84-8.4		3.4-34	5.1-51	38kg/m	10.44
	22.5~31.5						5-50		11.24
10	13.5~19.5	18	A5	0.78-7.8		3-30	5-50	38kg/m	18.74
	22.5~31.5						5.2-52		20.14
16/5	13.5~19.5	18/18	A5	0.76-7.6	0.84-8.4	3.5-35	5.1-51	43kg/m	37.7
	22.5~31.5						5.2-52		39.7
20/5	13.5~19.5	18/18	A5	0.6-6	0.84-8.4	3.5-35	5.1-51	43kg/m	37.7
	22.5~31.5						5.2-52		39.7
32/5	13.5~19.5	18/18	A5	0.5-5.2	0.84-8.4	3.1-31	5.1-51	43kg/m	56
	22.5~31.5						5.2-52		59
50/10	13.5~19.5	18/18	A5	0.4-3.9	0.78-7.8	3.6-36	4.8-48	43kg/m	67.4
	22.5~31.5						5.4-54		71.4