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## *ELECTRIC HOIST & CRANES*



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# *Electric Wire Rope Hoists and Cranes*



*JL LOW HEADROOM HOIST  
(4/1 Rope Reeving)*



*CD1/MD1 UNDER-SLUNG HOIST  
(2/1 Rope Reeving)*



*JL FOOT-MOUNTED HOIST  
(4/2 Rope Reeving)*

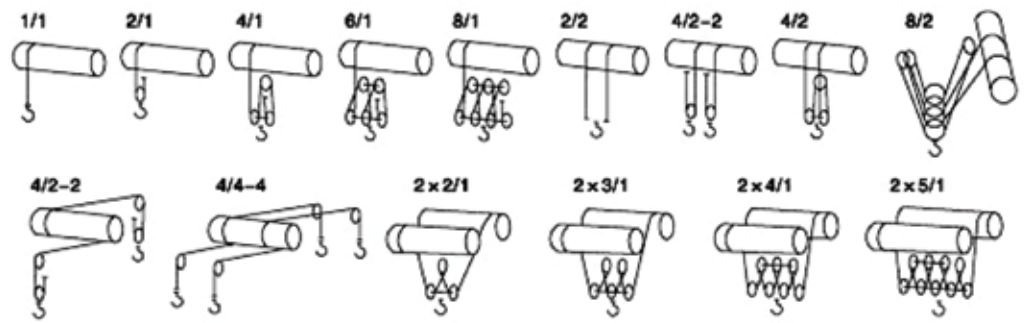


*JL STANDARD SINGLE GIRDER HOIST*



*JL STANDARD DOUBLE GIRDER HOIST*

# ROPE REEVING TIPICAL



## Load Spectrum

Duty factor	Mean effective loads	Average operating time per day			
		≤2	2-4	4-8	8-16
Light Duty	<p><math>K \leq 0.125</math> Hoist subject to very small loads and in exceptional cases only to rated loads.</p>	≤2	2-4	4-8	8-16
Medium Duty	<p><math>0.125 &lt; K \leq 0.25</math> Hoist usually subject to medium loads but rater often to rated loads.</p>	≤1	1-2	2-4	4-8
Heavy Duty	<p><math>0.25 &lt; K \leq 0.5</math> Hoist usually subject to heavy loads but frequently to rated loads.</p>	≤0.5	0.5-1	1-2	2-4
Very Heavy Duty	<p><math>0.5 &lt; K \leq 1</math> Hoist usually subject to rated loads or almost rated loads.</p>	≤0.25	0.25-0.5	0.5-1	1-2
Working group	ISO	M3	M4	M5	M6
	FEM	1 Bm	1 Am	2m	3m

### Average operating time in hours per day

$$T_m = \frac{2 \times \text{average hook travel (m)} \times \text{cycles per hour} \times \text{number of working hours per day}}{60 \times \text{lifting speed (m/min)}}$$

### Practical Example for Selection of JL hoist

-Rated load	10.000Kgs
-Lifting haight	8 metres
-Average hook travel	Estimated 6 metres
-Lifting speed	6.3m/min
-Number of cycles per hour	Estimated 12 cycles
-Number of working hours per day	8 hours
-Duty factor	Medium

$$T_m = \frac{2 \times 6 \times 12 \times 8}{60 \times 6.3} = 3.05 \text{ hours}$$

Consulting the load spectrum that the working group is M5.

# Wire Rope Hoist Type JL

## Note

- The standard lifting height is 6, 9, 12, 30 and 36 metres, and the max lifting height can reach 120 metres.
- The lifting speed can be single – speed or double – speed or even multi – speed with frequency inverters.
- The preferred rail for the low – headroom hoist is H – shaped rail, and I – shaped is also available. The recommend rope reeving of this kind of hoist is 2/1, 4/2 or 4/1.
- The normal travelling speed is 20m/min. or 12.5, 16, 25, 32, 20/6.5 and 20/5 m/min by request.
- The normal rail gauge of the double – girder hoist is 1200, 1400, 1600, 1800, 2000, 2500 and 3000 in metre.
- The normal travelling speed is 20m/min, or 32, 40, 20/6.5 and 20/5 m/min by request.

Rope reeving 2/1 or 6/2				Rope reeving 4/1				Rope reeving 8/2			
Type	Working Group	Lifting Speed (m/min)	Lifting Height (m)	Type	Working Group	Lifting Speed (m/min)	Lifting Height (m)	Type	Working Group	Lifting Speed (m/min)	Lifting Height (m)
JL320	M5	5, 5/1.3	6~18								
JL320	M4	5, 5/1.3	6~18	JL320	M5	4, 4/1.0	6~24				
JL320	M3	4, 4/1.0	6~18	JL320	M4	4, 4/1.0	6~24				
JL500	M5	5, 5/1.3	6~18								
JL500	M4	5, 5/1.3	6~18	JL320	M3	3.2, 3.2/0.8	6~24	JL500	M5	4, 4/1.0	6~18
				JL500	M5	4, 4/1.0	6~24				
JL500	M3	4, 4/1.0	6~18	JL500	M4	4, 4/1.0	6~24	JL500	M4	4, 4/1.0	6~18
JL1000	M5	4, 5, 4/1.0	6~18	JL500	M3	3.2, 3.2/0.8	6~24	JL500	M3	3.2, 3.2/0.8	6~18
JL1000	M4	4, 5, 4/1.0	6~18	JL1000	M5	3.2, 3.2/0.8, 4	6~24	JL1000	M5	3.2, 3.2/0.8, 4	6~18
JL1000	M3	4, 5	6~18	JL1000	M4	3.2, 3.2/0.8, 4	6~24	JL1000	M4	3.2, 3.2/0.8, 4	6~18
JL1600	M5	4, 5, 6.3	6~18	JL1600	M4	4, 5	6~24				
JL1600	M4	4, 5, 6.3	6~18	JL1000	M3	3.2, 4	6~24	JL1000	M3	3.2, 4	6~18
				JL1600	M4	4, 5	6~24	JL1600	M5	3.2, 4, 5	6~18
JL2000	M5	3.2, 4, 5	6~18	JL2000	M4	3.2, 4	6~24	JL1600	M4	3.2, 4, 5	6~18
JL2000	M4	3.2, 4, 5	6~18	JL2000	M3	3.2, 4	6~24	JL1600	M3	3.2, 4	6~18
								JL2000	M5	2.5, 3.2, 4	6~18
								JL2000	M4	2.5, 3.2, 4	6~18
								JL2000	M3	2.5, 3.2	6~18





*Hoist Selection Table*

Capacity (kg)	Rope reeving 1/1 or 2/2					Rope reeving 2/1 or 4/2				
	Type	Working Group	Lifting Speed (m/min)	Lifting Height		Type	Working Group	Lifting Speed (m/min)	Lifting Height	
				1/1	2/2				2/1	4/2
1250	JL320	M5	16, 16/4	12-100	6-50					
1600	JL320	M4	16, 16/4	12-100	6-50					
2000	JL320	M3	12.5, 12.5/3	12-100	6-50					
	JL500	M5	16, 16/4	12-100	6-50					
2500	JL500	M4	16, 16/4	12-100	6-50	JL320	M5	8.0, 8.0/2.0	6-50	6-24
3200	JL500	M3	12.5, 12.5/3	12-100	6-50	JL320	M4	8.0, 8.0/2.0	6-50	6-24
4000	JL1000	M5	12.5, 16, 12.5/3	12-100	6-50	JL320	M3	6.3, 6.3/1.6	6-50	6-24
						JL500	M5	8.0, 8.0/2.0	6-50	6-24
5000	JL1000	M4	12.5, 16, 12.5/3	12-100	6-50	JL500	M4	8.0, 8.0/2.0	6-50	6-24
6300	JL1000	M3	12.5	12-100	6-50	JL500	M3	6.3, 6.3/1.6	6-50	6-24
	JL1600	M5	12.5, 16, 20	12-100	6-50					
8000	JL1600	M4	12.5, 16, 20	12-100	6-50	JL1000	M5	6.3, 6.3/1.6, 8	6-50	6-24
10000	JL1600	M3	12.5, 16	12-100	6-50	JL1000	M4	6.3, 6.3/1.6, 8	6-50	6-24
	JL2000	M5	10, 12.5, 16	12-100						
12500	JL2000	M4	10, 12.5, 16	12-100	6-50	JL1000	M3	6.3	6-50	6-24
						JL1600	M5	6.3, 8, 10	6-50	6-24
16000	JL2000	M3	10, 12.5	12-100	6-50	JL1600	M4	6.3, 8, 10	6-50	6-24
						JL1600	M3	6.3, 8	6-50	6-24
20000						JL2000	M4	5, 6.3, 8	6-50	6-24
						JL2000	M4	5, 6.3, 8	6-50	6-24
25000						JL2000	M4	5, 6.3, 8	6-50	6-24
						JL2000	M3	5, 6.3	6-50	6-24
32000										
40000										
50000										
63000										

## Electric Wire Rope Hoist Type CD1/MD1

CD1/MD1 mode electric hoist has the following characteristics like compact structure, lightweight, small volume, convenient operation etc... It can not only be installed on the overhead of beam, double beam, jib arm, portal and other cranes. On those precise occasions, when the lifting speed of CD1 mode electric hoist can't fully meet the requirements, the MD1 mode double – speed electric hoist should be adopted.

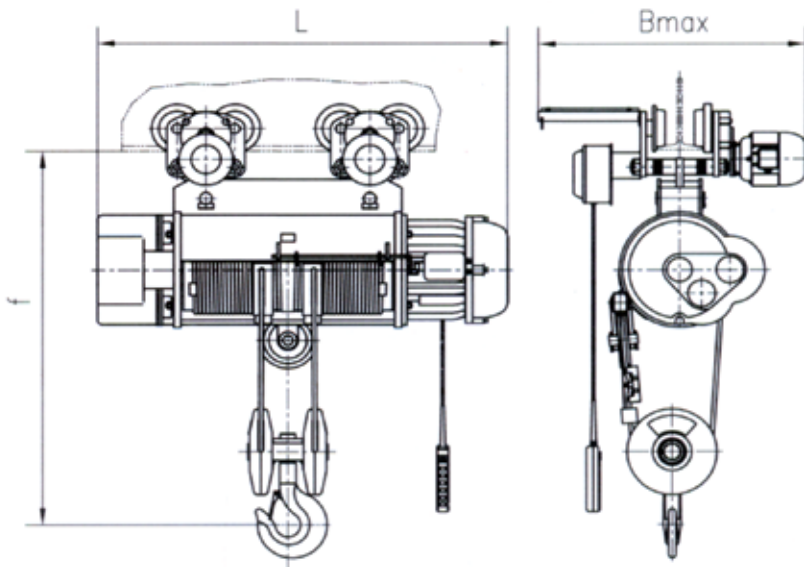
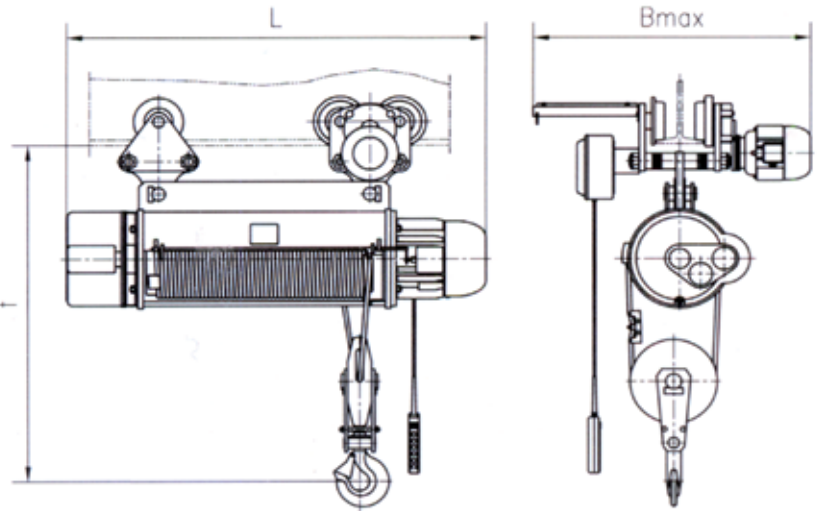
Specification																							
Capacity	t	0,25				0,5				1				2									
Lifting Height	m	3	6	9	12	6	9	12	18	6	9	12	18	24	30	6	9	12	18	24	30		
Lifting Speed	m/min	8				8(8/0.8)				8(8/0.8)				8(8/0.8)									
Travelling Speed	m/min	20				20				20				20									
Orbit	I-Beam	12.6-20b				16-28b				16-28b				20a-32c									
	Mini Radius Curvature	m	1	1	1	1	1.5		2	1.5		2	2.5	3.5	1.8		2	2.5	3.5				
Power of Main Motor	kw	0.4				0.8(0.8/0.2)				1.5(1.5/0.2)				3(3/0.4)									
Power of Travelling Motor	kw	0.06				0.2				0.2				0.4									
Basic Size	Hook Suspension	L	mm	403	403	403	403	616	688	760	904	760	855	855	1105	1345	1540	820	920	1020	1220	1420	1620
		L(MDI)	mm	-	-	-	-	626	698	770	914	770	865	965	1160	1355	1550	830	865	965	1160	1355	1550
		L1	mm	104/166	104/222	288	354	318	390	462	606	401	499	597	793	989	1185	418	518	618	818	1018	1218
		f1	mm	405				490				645				770							
		B1	mm	130				190				196				240							
		φ	mm	4-φ11				4-φ15				4-φ19				4-φ23							
		h	mm	90				120				127				155							
	Trolley	f	mm	421		432		570		670		719		810		856		956					
		Bmax	mm	398		415		897		897		897		935									
Total Weight ± 10%	CD1 Hook Suspension (A)	mm	33	37	41	45	80	85	90	95	130	140	157	172	186	203	174	190	208	232	260	284	
	CD1 Trolley Type (D)	kg	41	45	49	60	118	136	153	199	170	180	207	222	236	253	230	244	299	315	337	357	
	MD1 Hook Suspension (A)	kg	-	-	-	-	88	93	98	103	138	148	165	180	194	211	184	200	218	242	270	294	
	MD1 Trolley Type (D)	kg	-	-	-	-	135	140	160	170	183	190	255	240	254	271	269	294	335	369	379	404	



															HC <sub>SM</sub> 12.5-16(20)t				HM <sub>SM</sub> 12.5-16(20)t							
3					5					10					12.5				16(20)							
6	9	12	18	24	30	6	9	12	18	24	30	6	9	12	18	24	30	8	10	16	20	6	8	9	12	16
8 (8/0.8)					8 (8/0.8)					7 (7/0.7)					4.7 (4.7/0.47)				3.5 (3.5/0.35)							
20					20					20					20				20							
20a-32c					25a-63c					25a-63c					45a-63c				16-28b							
1.8	2	3	4			2	2.5	3.5	4			2.5	3	3.5	4.5	6	7.2	2.5	3.5	4.5		2.5	3	4	5	
4.5(4.5/0.4)					7.5(7.5/0.8)					13(13/1.5)					13(13/1.5)				13(13/1.5)							
0.4					0.8					2 x 0.8					2 x 0.8				2 x 0.8							
930	1030	1136	1342	1548	1754	1052	1157	1262	1472	1682	1892	1501	1682	1863	2225	2587	2949	1478	1628	1933	2223	1478	1628	1708	1933	2223
940	1040	1146	1352	1558	1764	1062	1167	1272	1482	1692	1902	2049	2230	2411	2773	3135	3497	2028	2178	3483	2773	2060	2176	2256	2481	2771
451	554	657	863	1069	1275	485	590	695	905	1115	1325	401	1030	1211	1573	1935	2297	797	947	1252	1542	797	947	1027	1252	1542
890					1014					1081					1500(A2)				1450(A2)							
264					320					376					385				385							
4-φ25					4-φ32					4-φ38					4-φ25				4-φ25							
175					203					225					317				317							
961	1064				1177				1327				1350				3062				2500					
935					1067					1067					1160				1160							
234	250	276	310	344	374	392	410	431	476	505	545	764	820	874	1001	1090	1174	940	960	1045	1200	940	960	970	1045	1200
308	330	392	408	434	472	494	517	601	648	691	735	1010	1066	1120	1232	1336	1440	1070	1096	1110	1170	1070	1090	1105	1110	1170
294	260	286	320	354	384	417	435	458	501	530	570	824	880	934	1061	1150	1234	1000	1020	1060	1110	1000	1020	1030	1060	1100
404	335	395	429	463	493	530	553	594	641	684	728	1070	1126	1180	1292	1396	1500	1130	1156	1170	1230	1130	1156	1165	1170	1230

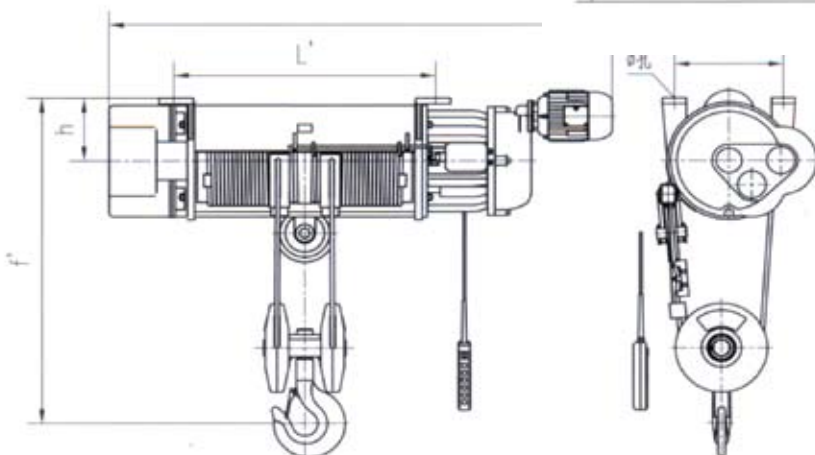
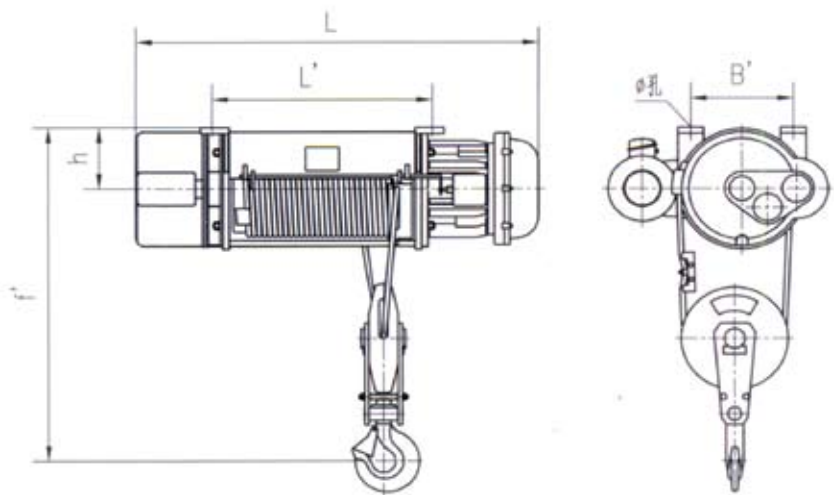
## CD1/MD1 dimensions and technical features

*CD1 from 0.25 to 5t  
With electric trolley type  
(2/1, 4/1 or 4/2 Rope Reeving)*



*CD1 10t  
With electric trolley type  
(4/1 or 4/2 Rope Reeving)*

*MD1 from 0.25 to 5t  
With foot-mounted hoist  
(2/1, 4/1 or 4/2 Rope Reeving)*



*MD1 10t  
With foot-mounted hoist  
(4/1 or 4/2 Rope Reeving)*



**DATA REPORT  
OVERHEAD CRANES**

CLIENT:

ADDRESS:

CITY:

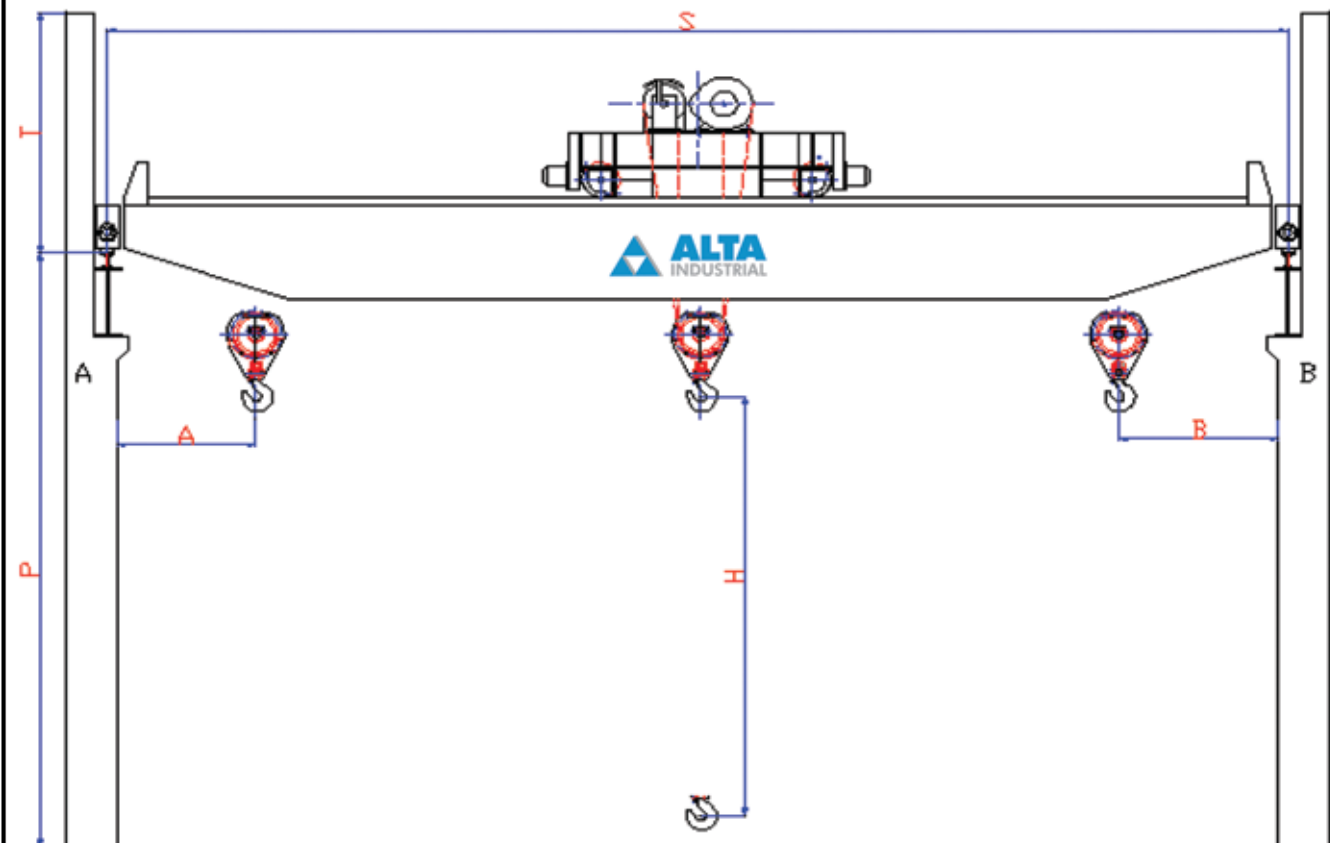
ESTATE:

CONTACT:

SECTION:

TEL:

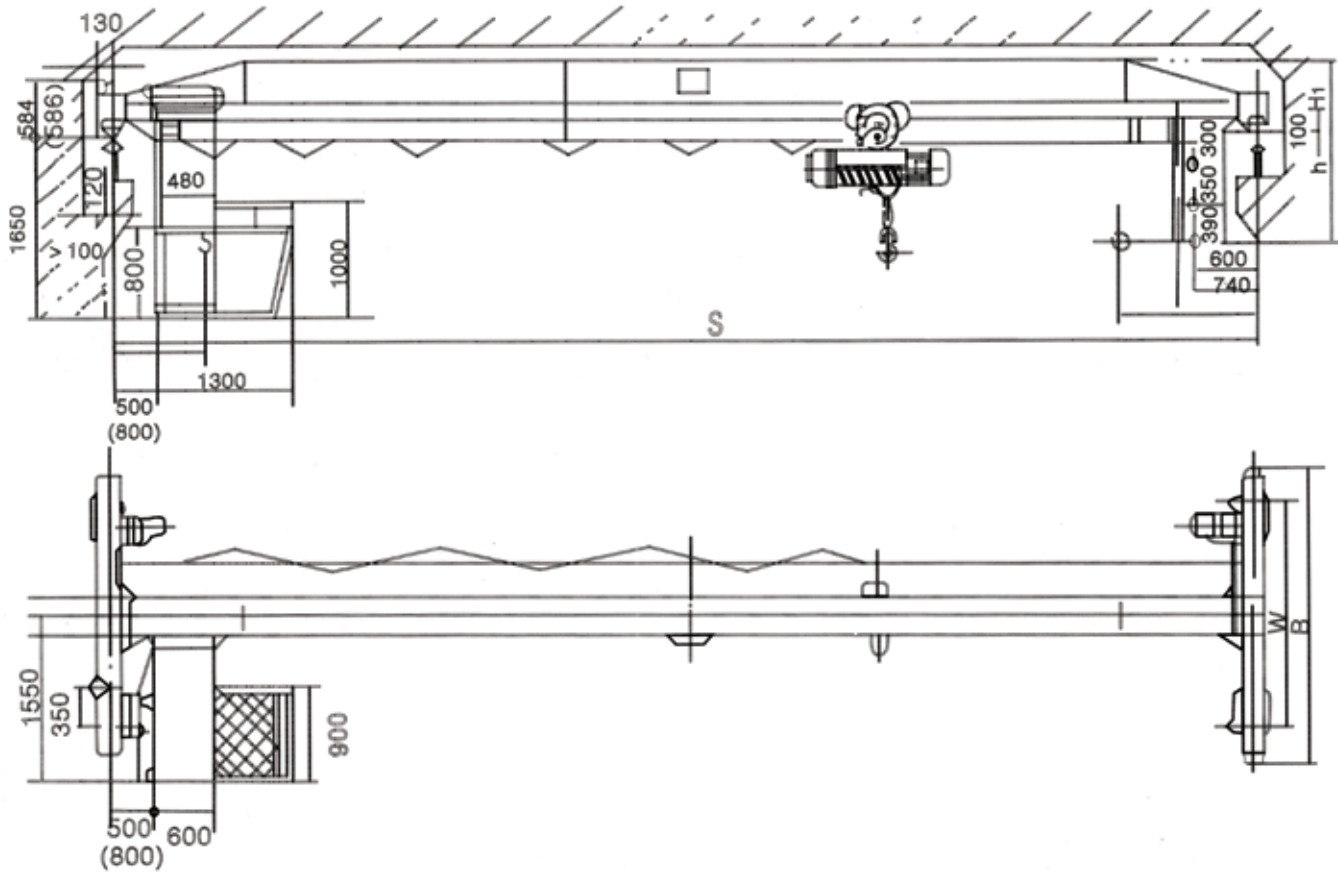
e-mail:



**EQUIPMENT TECHNICAL FEATURE**

1 Overhead Crane Type: <input type="checkbox"/> Maintenance <input type="checkbox"/> Process <input type="checkbox"/> Liquid Load	
2 Duty Factor: <input type="checkbox"/> Light Duty <input type="checkbox"/> Medium Duty <input type="checkbox"/> Heavy Duty <input type="checkbox"/> Very Heavy	
3 Number of cycles per hour: <input type="checkbox"/> until 4 <input type="checkbox"/> 4-8 <input type="checkbox"/> 8-12 <input type="checkbox"/> 12-16	
4 Overhead Crane Type: <input type="checkbox"/> Single Girder <input type="checkbox"/> Double Girder	5 Load Capacity: Main crane: (t)    Auxiliare crane:
6 Spam:	7 Distance H Lifting Height:
8 Travelling Distance:	9 Height from rail to roof - T=
10 Type of travelling way:	11 Type of rail for travelling:
12 Location: <input type="checkbox"/> In door <input type="checkbox"/> out door	13 Lifting speed: Main:                          Auxiliare:
14 Crane travelling speed: (m/min)	15 Trolley travelling speed:
16 Crane operation by: <input type="checkbox"/> Cabin <input type="checkbox"/> Cable Control <input type="checkbox"/> Radio	17 Distance A: (mm)
	19 Distance B: (mm)
18 Crane Electrical Food: <input type="checkbox"/> Electric Blinded Barr <input type="checkbox"/> Festoon	20 Height from floor to rail - P= (mm)

## LD-A type 1-20t Electric Hoist Single-Beam Overhead Crane



### Product Introduction:

LD – A type electric single – beam overhead crane is a monorail travelling crane with CD1 and MD1 electric hoist. It can used in machine manufacturing, assemble and install and storehouse. The capacity is 1 – 20t, span is 7.5M – 22,5M, working condition temperature is – 20°C – 40°C. It is made of electric hoist, metal structure bridge, crane travelling mechanism and electrical control system. This production has ground control, cab control and radio control to facilitate the consumer, cab have two types, they are end and side door type and open& closed type.

### Product Features:

The girder is U – shaped channel which be made of steel plate, them welded into box – shaped with I – beam. The crossbeam is also U – shaped channel, then welded into box – shaped crossbeam. The primary – side beam use the split – type structure, jonted by bolt, which is convenient for transportation and installation. The up, down and lateral movement of this machine is achieved by the electric hoist suspended from the girder.

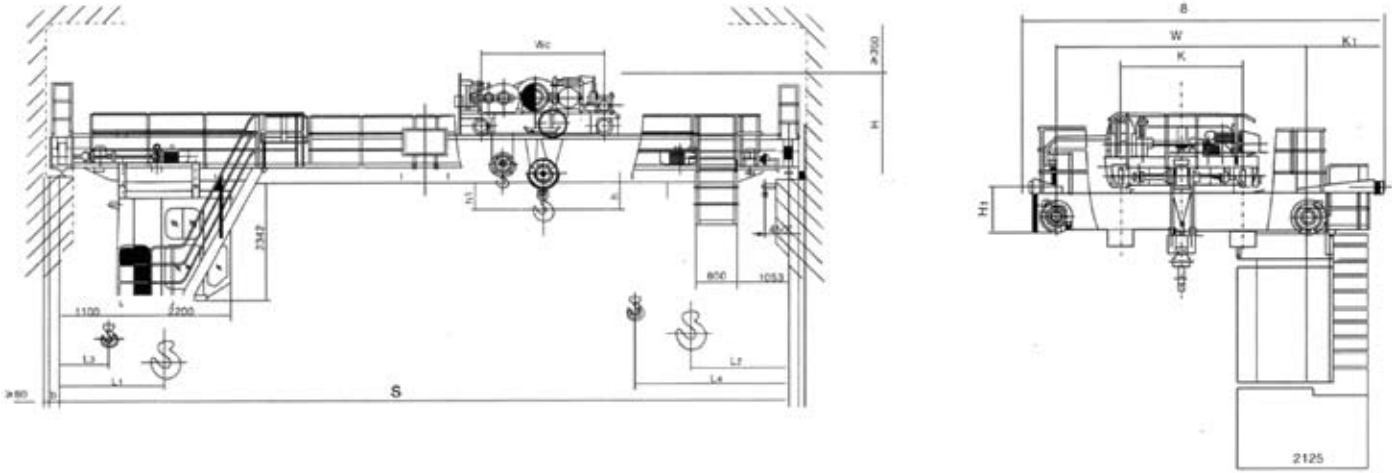


## Technical parameter

Cap		t	1		2		3		5		10																										
Control type			Floor/Cab.control		Floor/Cab.control		Floor/Cab.control		Floor/Cab.control		Floor/Cab.control																										
Travelling mechanism	Travelling speed	m/min	20,30/45,75		20,30/45,75		20,30/45,75		20,30/45,75		20,30/45,75																										
	Reduction ratio		58.39.39.38/26.36.15.61		58.39.39.38/26.36.15.61		58.39.39.38/26.36.15.61		58.39.39.38/26.36.15.61		58.39.39.38/26.36.15.61																										
	Motor	Model	ZDY21-4/ZDR12-4		ZDY21-4/ZDR12-4		ZDY21-4/ZDR12-4		ZDY21-4/ZDR12-4		ZDY21-4/ZDR12-4																										
		N Power	Kw	0.8/1.5		0.8/1.5		0.8/1.5		0.8/1.5		0.8/1.5																									
	Rotation speed	r/min	1380		1380		1380		1380		1380																										
Lifting mechanism	Electric hoist model		CD <sub>1</sub>	MD <sub>1</sub>	CD <sub>1</sub>	MD <sub>1</sub>	CD <sub>1</sub>	MD <sub>1</sub>	CD <sub>1</sub>	MD <sub>1</sub>	CD <sub>1</sub>	MD <sub>1</sub>																									
	Lifting speed	m/min	8	8/0.8	8	8/0.8	8	8/0.8	8	8/0.8	7	7/0.7																									
	Lifting height	m	6.9/12/18/24/30		6.9/12/18/24/30		6.9/12/18/24/30		6.9/12/18/24/30		6.9/12/18/24/30																										
	Travelling speed	m/min	20,30		20,30		20,30		20,30		20,30																										
	Motor model		Conical squirrel-cage rotor motor		Conical squirrel-cage rotor motor		Conical squirrel-cage rotor motor		Conical squirrel-cage rotor motor		Conical squirrel-cage rotor motor																										
Group classification			A3-A5		A3-A5		A3-A5		A3-A5		A3-A5																										
Power supply			3 phase, 50Hz, 380V		3 phase, 50Hz, 380V		3 phase, 50Hz, 380V		3 phase, 50Hz, 380V		3 phase, 50Hz, 380V																										
Wheel diameter		mm	Φ270		Φ270		Φ270		Φ270		Φ270																										
Recommended rail			P18, 24, 38, 43		P18, 24, 38, 43		P18, 24, 38, 43		P18, 24, 38, 43		P18, 24, 38, 43																										
Span		m	7.5-12	12-14	15-17	18.5	22.5	7.5-11	11-12	12-14	14-17	18.5	22.5	7.5-11	11-12	12-14	14-17	18.5	22.5																		
Max.Wheel load	Floor. Control	kN	8.8-18.1	10.1-13.7	13.7-17.1	13.3	14.3	13.8-15.2	15.2-15.8	15.8-16.3	16.3-17.6	18.3	21.2	13.3-20.8	20.8-21.3	21.3-22.1	22.1-23.8	25.8	28.4	28.9-31.3	31.3-32.8	32.8-33.7	33.7-35.4	38.2	40.5	30.9-34.3	34.3-35.4	35.4-37.2	37.2-38.5	42.4	44.4	33.1-37.5	37.5-38.8	38.8-40.4	40.4-42.7	45.9	47.7
	Cab. Control	kN	12.7-14.0	14.0-14.8	14.8-15.6	16.8	18.2	17.7-18.1	18.1-18.5	18.5-20.2	20.2-21.6	23.2	25.1	23.3-24.7	24.7-25.2	25.2-26.1	26.1-27.5	28.7	32.4	32.8-35.8	35.8-36.6	36.6-37.5	37.5-39.3	42.1	44.4	33.1-37.5	37.5-38.8	38.8-40.4	40.4-42.7	45.9	47.7	33.1-37.5	37.5-38.8	38.8-40.4	40.4-42.7	45.9	47.7
Total weight	Floor. Control	t	1.51-1.91	1.91-2.16	2.16-2.54	2.96	3.56	1.80-1.81	1.81-2.08	2.08-2.33	2.33-2.83	3.47	4.19	1.75-2.12	2.12-2.28	2.28-2.35	2.35-3.09	3.92	4.95	2.04-2.47	2.47-2.89	2.89-3.00	3.00-3.57	4.84	5.49	3.00-3.82	3.82-3.87	3.87-4.40	4.40-5.11	6.04	7.71	3.00-3.82	3.82-3.87	3.87-4.40	4.40-5.11	6.04	7.71
	Cab. Control	t	1.81-2.31	2.31-2.56	2.56-2.94	3.53	3.96	2.00-2.31	2.31-2.48	2.48-2.73	2.73-3.23	3.87	4.59	2.15-2.52	2.52-2.68	2.68-2.88	2.88-3.19	4.32	5.35	2.44-2.87	2.87-3.38	3.38-3.43	3.43-3.97	5.94	6.89	3.40-4.02	4.02-4.27	4.27-4.80	4.80-5.81	6.45	8.13	3.40-4.02	4.02-4.27	4.27-4.80	4.80-5.81	6.45	8.13
Basic size	Hs	mm	555	650	700	800	500	600	700	800	600	700	800	1000	1000	700	800	1000	1000	700	800	900	1100	1200	900	1000	1000	1000	1100	1300	1300	1100	1200	1400	1500		
	B	mm	2512	3012	3512	2512	3012	3512	2512	3012	3512	2512	3012	3512	2512	3012	3512	2512	3012	3512	2512	3012	3512	2512	3012	3512	2512	3012	3512	2512	3012	3512	2512	3012	3512		
	W	mm	2000	2500	3000	2000	2500	3000	2000	2500	3000	2000	2500	3000	2000	2500	3000	2000	2500	3000	2000	2500	3000	2000	2500	3000	2000	2500	3000	2000	2500	3000	2000	2500	3000		
	h	mm	706	706	706	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5		
	h <sub>1</sub>	mm	1274	1274	1274	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	
	H <sub>1</sub>	mm	810	810	870	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300		
H <sub>2</sub>	mm	490	490	550	680	680	490	490	550	680	680	490	490	550	680	680	490	490	550	680	680	490	490	550	680	680	490	490	550	680	680	490	490	550	680		

The parameters above are just for your reference, any special requirements on the crane could be customized.

# LH type 3-50t Electric Hoist Double-Beam Overhead Crane



## Basic Size

Cap.(t)	Span(m)	size(mm)														
		K	W	Wc	F	b	h	h1	H	H1	L1	L2	L3	L4	K1	B
10/3.2	10.5	2000	4400	2300	28	230	545	530	1850	725	1615	1615	1170	2060	1250	6200
	13.5				128											
	16.5				228											
	19.5				378											
	22.5				528											
	25.5				678											
28.5	828	5000	6800													
16/3.2	10.5	2000	4400	2400 (2550)	13	250	613	735	2068	842	1666 (1670)	1474 (1620)	1094 (10978)	2046 (2192)	1300	6300
	13.5				83											
	16.5				113											
	19.5				263											
	22.5				413											
	25.5				563											
28.5	713	5000	6900													
20/5	10.5	2000	4400	2400 (2550)	85	250	544	482	2070	842	1730 (1880)	1410 (1560)	894 (1044)	2246 (2396)	1300	6300
	13.5				85											
	16.5				165											
	19.5				365											
	22.5				515											
	25.5				565											
28.5	715	5000	6900													
32/5	10.5	2500	5150	3035	13	300	449	839	2658	994	1893	1872	851	2860	1350	7150
	13.5				65											
	16.5				215											
	19.5				365											
	22.5				515											
	25.5				665											
28.5	815	5000	7150													
50/10	10.5	2500	5150	3470	59	300	914	945	2708	1002	2092	2008	1021	3079	1350	7150
	13.5				211											
	16.5				363											
	19.5				513											
	22.5				613											
	25.5				713											
28.5	815	5000	7150													



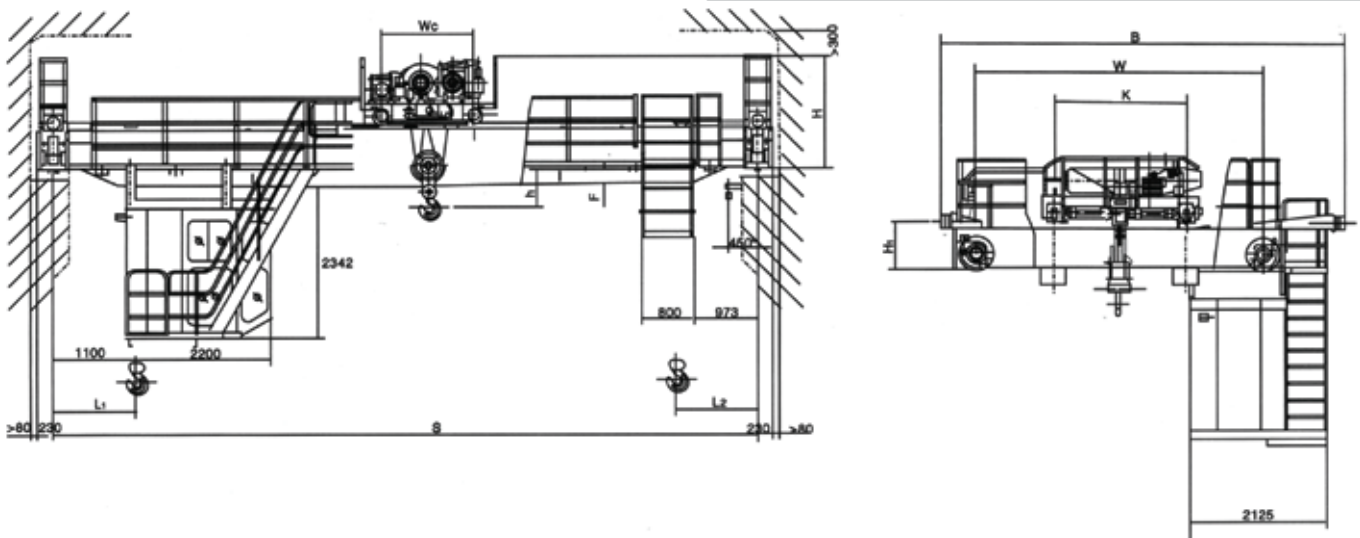


### Technical parameter

Cap.	Main		10		16		20		32		50																			
	Aux.		3.2		3.2		5		5		10																			
Span	S		10.5	13.5	16.5	19.5	22.5	25.5	28.5	10.5	13.5	16.5	19.5	22.5	25.5	28.5	10.5	13.5	16.5	19.5	22.5	25.5	28.5	10.5	13.5	16.5	19.5	22.5	25.5	28.5
Lifting Height	Main		12-16		12-16		12-16		12-16		12-16																			
	Aux.		14-18		14-18		14-18		14-18		14-18																			
Classification			A5/A6		A5/A6		A5/A6		A5/A6		A5/A6																			
Speed	Main Hoisting	A5	9		9		7		7.6		7.6																			
		A6	12		12		12		9		9																			
	Aux. Hoisting	18		18		18		14		12																				
		Traversing		44		44		44		39		39																		
Traversing	A5	70		70		70		70		70																				
	A6	115		115		115		115		115																				
Motor	Main Hoisting	A5	YZR200L-8/15		YZR225M-8/22		YZR225M-8/22		YZR280S-8/45		YZR280M-8/55																			
		A6	YZR225M-8/22		YZR250M2-8/37		YZR280S-8/45		YZR280M-8/55		YZR315S-8/75																			
	Aux. Hoisting	YZR180L-8/11		YZR180L-8/11		YZR200L-8/15		YZR180L-8/11		YZR225M-8/22																				
		Traversing		YZR132M1-6/2.2		YZR132M2-6/3.7		YZR132M2-6/3.7		YZR160M1-6/5.5		YZR160M2-6/7.5																		
Traversing	A5	YZR132M2-6/3.7X2 YZR160M1-6/5.5X2		YZR160M1-6/5.5X2 YZR160M2-6/7.5X2		YZR160M1-6/5.5X2 YZR160M2-6/7.5X2		YZR160M2-6/7.5X2 YZR180L-8/11X2		YZR180L-6/11X2 YZR180L-6/15X2																				
	A6	YZR160M1-6/5.5X2 YZR160M2-6/7.5X2		YZR160M2-6/7.5X2 YZR180L-8/11.0X2		YZR160M2-6/7.5X2 YZR180L-8/11.0X2		YZR160L-6/11X2 YZR180L-6/15X2		YZR180L-6/15X2 YZR200L-6/22X2																				
Weight	Trolley	A5	5210		6370		6850		10685		11985																			
	A6	5473		6590		7280		11367		12595																				
Total Weight	15355 17019 18711 21000 23410 25671 27865 18622 20113 22225 25304 27492 31632 34193 19749 21361 23651 26639 28992 32406 36795 27114 29444 32336 35530 39043 42074 46848 25644 32577 36246 40026 43392 47031 52736		15067 17821 19511 21812 24121 26216 28610 19791 21312 23434 26449 28711 32848 35427 20906 22548 24802 28036 30799 33644 38012 27676 30296 33218 36382 39905 42946 47130 50570 53487 57136 63946 6812 47961 53676		108 114 121 127 135 141 149 135 145 152 163 171 179 191 157 168 175 186 194 202 217 231 248 260 272 284 294 306 316 338 357 373 388 400 418		108 114 121 127 135 141 149 135 145 152 163 171 179 191 157 168 175 186 194 202 217 231 248 260 272 284 294 306 316 338 357 373 388 400 418		108 114 121 127 135 141 149 135 145 152 163 171 179 191 157 168 175 186 194 202 217 231 248 260 272 284 294 306 316 338 357 373 388 400 418		108 114 121 127 135 141 149 135 145 152 163 171 179 191 157 168 175 186 194 202 217 231 248 260 272 284 294 306 316 338 357 373 388 400 418																			
Max. Wheel Load	KN		108 114 121 127 135 141 149 135 145 152 163 171 179 191 157 168 175 186 194 202 217 231 248 260 272 284 294 306 316 338 357 373 388 400 418		108 114 121 127 135 141 149 135 145 152 163 171 179 191 157 168 175 186 194 202 217 231 248 260 272 284 294 306 316 338 357 373 388 400 418		108 114 121 127 135 141 149 135 145 152 163 171 179 191 157 168 175 186 194 202 217 231 248 260 272 284 294 306 316 338 357 373 388 400 418		108 114 121 127 135 141 149 135 145 152 163 171 179 191 157 168 175 186 194 202 217 231 248 260 272 284 294 306 316 338 357 373 388 400 418		108 114 121 127 135 141 149 135 145 152 163 171 179 191 157 168 175 186 194 202 217 231 248 260 272 284 294 306 316 338 357 373 388 400 418																			
Crane Rail Recommended			P38; P43; P50		P38; P43; P50		P38; P43; P50		P38; P43; P50		P43; P50																			
Power Supply			3 Phase AC 50Hz 380V																											

The parameters above are just for your reference, any special requirements on the crane could be customized.

## QD type 5-200t Overhead Crane With Hook



### Product introduction:

The crane lift goods according to the vertical movement along the plant track, the lateral movement of trolley and the lifting hook. It is used in the warehouses of factories and mines, and so on, or lifted in the fixed – span indoor or outdoor. The crane is classified as eight kinds of working – level from A1 to A8 according to the use frequency and load. The common A5 class (intermediate) is used in the machine and assembly workshop, metal structure plant, machinery repair workshop, etc which are not very busy. The A6 – level (heavy duty) is used in the movement activities of auxiliary continuous production in the workshop of metallurgical foundry which is more busy. The environmental temperature where the crane used is from  $-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$ , relative humidity  $\leq 85\%$ , it is with the rain – proof facilities when used outdoor.

The crane is composed of the box – shaped bridge, crane travelling mechanism, trolley and electrical equipment, the power cable of trolley is software cable. The controlling form is the ground control, cab control and radio control. The controlling of driver ´s cab has two kinds of open type and closed type, lifting and travelling speed can be divided into single – speed, double speeds, and the speed of frequency control.

### Product Features:

The girder is of the box – shaped structure, overall welding, one–time molding. Well design and optimized processing technology ensure that the girder is of sufficient strength and stiffness. End girder is of the box – shaped structure, and the middle is connected with bolts, which is convenient for the installation and transportation.

It is connected with high precision gear couplings between the various mechanical components, which is of simple installation and easy maintenance.

It is matched with the motor wreathed by special metallurgy, reducer and hydraulic push – rod brake, and meet the conditions of frequent use, smooth braking and free rotation.

Wheel components are supported in the angular bearing boxes for easy disassembly, adjustment, and it greatly improve the skew phenomenon.

The linkage console with unique installation is of small size, beautiful appearance, full feature, safe and reliable.



### Basic Size

Cap.(t)	Span(m)	size(mm)									
		K	W	WC	F	h	H	H1	L1	L2	B
5	10.5	1400	3500	1100	26	93.5	1720	725	1200	1050	5300
	13.5				126						
	16.5				226						
	19.5				376						
	22.5				526						
	25.5				676						
	28.5				826						
10	10.5	2000	4400	1400	26	545	1850	725	1260	1250	6200
	13.5				126						
	16.5				226						
	19.5				376						
	22.5				526						
	25.5				676						
	28.5				826						

### Technical parameter

Cap.	t	5								10																							
Span	m	10.5	13.5	16.5	19.5	22.5	25.5	28.5	10.5	13.5	16.5	19.5	22.5	25.5	28.5	10.5	13.5	16.5	19.5	22.5	25.5	28.5	10.5	13.5	16.5	19.5	22.5	25.5	28.5				
Lifting Height	m	12-16								12-16								12-16															
Classification		A5								A6								A5								A6							
Speed	Main Hoisting	12								18								9								12							
	Travelling	44								44								44								44							
	Travelling	70								115								70								115							
Motor	Hoisting	YZR160L-6/11								YZR200L-8/15								YZR200L-8/15								YZR225M-8/22							
	Travelling	YZR132M1-6/2.2								YZR132M1-6/2.2								YZR132M1-6/2.2								YZR132M1-6/2.2							
	Travelling	YZR132M2-6/3.7x2				YZR160M1-6/5.5x2				YZR160M2-6/7.5x2				YZR160M2-6/3.7x2				YZR160M1-6/5.5x2				YZR160M2-6/7.5x2											
Weight	Trolley	2480								2710								3420								3650							
	Total Weight	11154	12785	14426	16132	19662	22582	26749	11573	13184	14848	16552	20081	23003	27173	13155	14819	16595	19229	21745	24351	27546	13529	15193	16969	19664	22119	24725	27920				
Max.Wheel Load	KN	68.6	73.9	78.9	84.0	93.4	102.1	113.4	70.4	75.6	79.7	85.8	95.2	103.9	114.0	101.8	106.4	111.8	116.1	124.8	134.0	142.3	102.3	107.4	112.8	117.1	125.8	135.0	143.3				
Crane Rail recommended		P24; P38; P43; P50								P24; P38; P43; P50																							
Power Supply		3 Phase AC 50Hz 380V																															

The parameters above are just for your reference, any special requirements on the crane could be customized.



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