

Technical Description

Hoist



Shenghua Heavy Crane Group

Hoist

Usually, electric hoists will not used alone. They are often mounted on single girder overhead crane, monorail crane, jib crane and single girder gantry crane as the lifting part. Shenghua Heavy Crane Group have many kinds of electric hoists for sale, we provide you: electric wire rope hoist and electric chain hoist. Of course, electric hoists are independent part, it can works on it own.



CD1/MD1 Wire Rope Electric Hoist

Product Overview

CD1/MD1 Wire Rope Electric Hoist is a small-sized lifting equipment, it can be mounted on single girder overhead crane, single girder gantry crane and jib crane. With slight modification, D1/MD1 Wire Rope Electric Hoist can be also used as winch.

Model CD1 hoist has only one normal speed, which can satisfy normal application. Model MD1 hoist has 2 working speeds: normal and low speed. At low speed, it can do precise loading and unloading, mounding of sand box, maintenance of machine tools. So MD1 model electric hoist is more widely used than CD1 model.

Lifting Capacity: 0.5~32t

Lifting Height: 6~48m

Working Class: A4

Ambient Temp: -20~40°C



Product Specifications

Capacity	T	0.5				1				
Lifting height	m	6	9	12	6	9	12	18	24	30
Lifting speed	m/min	8(0.8/8)				8(0.8/8)				
Trolley travelling speed	m/min	20/30								
Working duty	/	M4				M4				
Wire rope diameter	/	4.8				7.4				
Min. curvature radius	m	1.5				1.5	2	3	4	
Lifting motor	kw	0.8(0.4/0.8)				1.5(0.4/1.5)				
Travelling motor	kw	0.2				0.2				
Rail	Model	16-28b								
CD1 Total weight	kg	121	125	130	137	145	172	188	204	220
MD1 Total weight		138	142	147	164	174	199	215	231	247
Lifting height	m	6	9	12	6	9	12	18	24	30
Travelling side width	B	884				884				
Hoist length	L	616	688	760	758	856	954	1150	1346	1542
Hook upper limitation	H	650				667		767		

Capacity	T	5						10				
Lifting height	m	6	9	12	18	24	30	9	12	18	24	30
Lifting speed	m/min	8(0.8/8)						7(0.7/7)				
Trolley travelling speed	m/min	20/30										
Working duty	/	M4						M4				
Wire rope diameter	/	15										
Min. curvature radius	m	2.5	3	4	4.5	6	3.5	4	6	7.5	9	
Lifting motor	kw	7.5(0.8/7.5)						13(2.2/13)				
Travelling motor	kw	0.8						0.8×2				
Rail	Model	25a-45a					32b-45a					
CD1 Total weight	kg	437	495	597	646	686	726	1048	1098	1209	1301	1411
MD1 Total weight		508	532	654	703	743	783	1104	1154	1265	1366	1467
Lifting height	m	6	9	12	18	24	30	9	12	18	24	30
Travelling side width	B	1055										
Hoist length	L	1047	1157	1257	1467	1677	1887	1602	1783	2145	2507	2869
Hook upper limitation	H	1120			1183			1350				

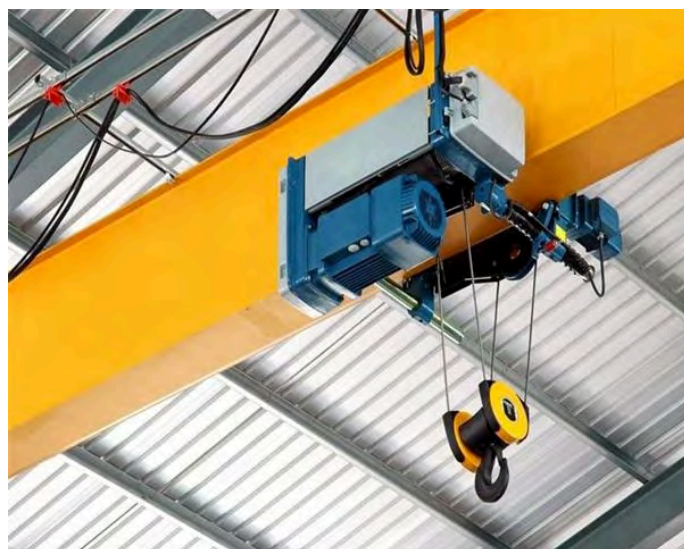
Capacity	T	20											
Lifting height	m	9	12	18	24	9	12	15	18	21	24	27	30
Lifting speed	m/min	3.3(0.33/3.3)				4.2(0.42/4.2)							
Trolley travelling speed	m/min	14				14							
Working duty	/	M4				M4							
Wire rope diameter	/	21.5											
Min. curvature radius	m	3	4	5.5	7.6	3	3.5	4	5	6	7	8	9
Lifting motor	kw	18.5(2.2/18.5)											
Travelling motor	kw	0.8											
Rail	Model	56a-63c											
Total weight	kg	2450	2620	2800	3250	1838	1927	2025	2169	2240	2320	2444	2527
Lifting height	m	9	12	18	24	9	12	15	18	21	24	27	30
Travelling side width	B	306~320				288~310							
Hoist length	L	1875	2108	2574	3040	1747	1942	2153	2364	2575	2786	2997	3208
Hook upper limitation	H	2500(1300)				2300(1300)							

Capacity	T	2								3					
Lifting height	m	6	9	12	18	24	30	6	9	12	18	24	30		
Lifting speed	m/min	8(0.8/8)								8(0.8/8)					
Trolley travelling speed	m/min	20/30													
Working duty	/	M4								M4					
Wire rope diameter	/	11								13					
Min. curvature radius	m	2	2.5	3	4	2	2.5	3	4						
Lifting motor	kw	3.0(0.4/3.0)								4.5(0.4/4.5)					
Travelling motor	kw	0.4								0.4					
Rail	Model	20a-28b													
CD1 Total weight	kg	221	232	285	309	332	353	281	297	354	390	420	451		
MD1Total weight		256	267	320	344	361	388	311	327	384	420	450	481		
Lifting height	m	6	9	12	18	24	30	6	9	12	18	24	30		
Travelling side width	B	930													
Hoist length	L	820	920	1020	1220	1420	1620	932	1035	1138	1344	1550	1756		
Hook upper limitation	H	840			950				954			1058			

Capacity	T	16									
Lifting height	m	9	12	18	24	30					
Lifting speed	m/min	3.5(0.35/3.5)									
Trolley travelling speed	m/min	18									
Working duty	/	M4									
Wire rope diameter	/	17.5									
Min. curvature radius	m	3.5	4	6	8	11					
Lifting motor	kw	13(2.2/13)									
Travelling motor	kw	0.8×2									
Rail	Model	32b-63c									
CD1 Total weight	kg	1130	1183	1286	1463	1563					
MD1 Total weight		1220	1273	1376	1553	1653					
Lifting height	m	9	12	18	24	30					
Travelling side width	B	1055									
Hoist length	L	1872	2092	2532	2952	3387					
Hook upper limitation	H	2100									

Capacity	T	32							
Lifting height	m	9	12	16	20	24			
Lifting speed	m/min	3(0.3/3)							
Trolley travelling speed	m/min	16							
Working duty	/	M4							
Wire rope diameter	/	26							
Min. curvature radius	m	3.5	4.5	5.8	7.2	8.7			
Lifting motor	kw	18.5(2.2/18.5)							
Travelling motor	kw	1.5							
Rail	Model	>63c							
Total weight	kg	2885	2950	3270	3495	3700			
Lifting height	m	9	12	16	20	24			
Travelling side width	B	320							
Hoist length	L	1913	2127	2412	2697	2982			
Hook upper limitation	H	2500(1500)							

European Type Electric Hoist





Product Overview

Lifting Capacity: 1~20t

Lifting Height: 6~12m

Working Class: A5, A6

Ambient Temp: -20~40°C

Compared with the traditional electric wire rope hoist, the structure of European Type Hoist is more reasonable and the technology is more advanced. The integrated and compact design of hoisting motor, reducer, reel and limit switch saves space for user, modular design increases the reliability of mechanism meanwhile reduces the time and cost for maintaining.

It applies international general structure with the characters of compact structure, high space utilization, reliability, large working scope, smooth travelling to realize precise position to load, long life span and low maintenance expenses.

Product Specifications

Capacity	T	1.6			2.5		
Lifting height	m	6	9	12	6	9	12
Lifting speed	m/min	1.6/10			0.8/5.0		
Trolley travelling speed	m/min	2~20			2~20		
Working duty	/	M6			M6		
Rope reeving	/	2/1			4/1		
Rail width	Model	200~300			200~350		
Total weight	kg	300	335	370	315	350	385
Max. Wheel load	KN	6.1	6.2	6.3	9.1	9.2	9.3
Main dimension (mm)	Span(m)	6	9	12	6	9	12
Lifting direction width	K1	500	500	500	500	500	500
Travelling side width	K2	450	450	450	450	450	450
Hoist length	l	930	1100	1270	1180	1400	1620
Hook upper limitation	h	400	400	400	430	430	430

Capacity	T	3.2			6.3		
Lifting height	m	6	9	12	6	9	12
Lifting speed	m/min	0.8/5.0			0.8/5.0		
Trolley travelling speed	m/min	2~20			2~20		
Working duty	/	M5			M5		
Rope reeving	/	4/1			4/1		
Rail width	Model	250~350			300~450		
Total weight	kg	335	370	405	400	450	500
Max. Wheel load	KN	11.5	11.6	11.7	22	22.1	22.2
Main dimension (mm)	Span(m)	6	9	12	6	9	12
Lifting direction width	K1	500	500	500	490	490	490
Travelling side width	K2	450	450	450	450	450	450
Hoist length	l	1180	1400	1620	1170	1400	1630
Hook upper limitation	h	450	450	450	500	500	500

Capacity	T	8			10		
Lifting height	m	6	9	12	6	9	12
Lifting speed	m/min	0.8/5.0			0.8/5.0		
Trolley travelling speed	m/min	2~20			2~20		
Working duty	/	M6			M5		
Rope reeving	/	4/1			4/1		
Rail width	Model	300~450			300~450		
Total weight	kg	580	610	640	580	610	640
Max. Wheel load	KN	28	28.1	28.2	34.7	34.8	34.9
Main dimension (mm)	Span(m)	6	9	12	6	9	12
Lifting direction width	K1	550	550	550	550	550	550
Travelling side width	K2	540	540	540	540	540	540
Hoist length	l	1120	1290	1460	1120	1290	1460
Hook upper limitation	h	650	650	650	650	650	650

Capacity	T	10			12.5		
Lifting height	m	6	9	12	6	9	12
Lifting speed	m/min	0.66/4.0			0.66/4.0		
Trolley travelling speed	m/min	2~20			2~20		
Working duty	/	M6			M5		
Rope reeving	/	4/1			4/1		
Rail width	Model	300~450			300~500		
Total weight	kg	650	690	730	660	700	740
Max. Wheel load	KN	34.7	34.8	34.9	43.3	43.4	43.5
Main dimension (mm)	Span(m)	6	9	12	6	9	12
Lifting direction width	K1	560	560	560	560	560	560
Travelling side width	K2	550	550	550	550	550	550
Hoist length	l	1140	1320	1500	1140	1320	1500
Hook upper limitation	h	700	700	700	700	700	700

Explosion-proof Electric Hoist

Product Overview

Explosion-proof Wire Rope Electric Hoist is a light lifting equipment. Its structure is more reasonable and its assembly is more convenient, and it's property is more superior. Compact structure, light weight, small volume, large lifting capacity, improve labor condition.

This range of motors, whose explosive marking is dI, dIIAT4, dII BT4 and dIICT4, can respectively used in places where there are flammable gas and the mixture of the vapor and air in the coal mining and factory where the protection degree is IIA,IIB or IIC and temperature is T1-T4.

Lifting Capacity: 1~32t

Lifting Height: 6~48m

Working Class: M3

Ambient temp: -25°C ~40°C



Product Specifications

Capacity	T	0.5				1				
Lifting height	m	6	9	12	6	9	12	18	24	30
Lifting speed	m/min	8(0.8/8)								
Trolley travelling speed	m/min	20/30								
Working duty	/	M4				M4				
Wire rope diameter	/	4.8				7.4				
Min. curvature radius	m	1.5				1.5	2	3	4	
Lifting motor	kw	0.8(0.4/0.8)				1.5(0.4/1.5)				
Travelling motor	kw	0.2				0.2				
Rail	Model	16-28b								
CD1 Total weight	kg	171	175	180	187	195	222	238	254	270
MD1 Total weight		238	242	247	264	274	299	315	331	347
Lifting height	m	6	9	12	6	9	12	18	24	30
Travelling side width	B	884				884				
Hoist length	L	616	688	760	758	856	954	1150	1346	1542
Hook upper limitation	H	650				667		767		

Capacity	T	2								3					
Lifting height	m	6	9	12	18	24	30	6	9	12	18	24	30		
Lifting speed	m/min	8(0.8/8)								8(0.8/8)					
Trolley travelling speed	m/min	20/30													
Working duty	/	M4								M4					
Wire rope diameter	/	11								13					
Min. curvature radius	m	2	2.5	3	4	2	2.5	3	4						
Lifting motor	kw	3.0(0.4/3.0)								4.5(0.4/4.5)					
Travelling motor	kw	0.4								0.4					
Rail	Model	20a-28b													
CD1 Total weight	kg	271	282	335	359	382	393	331	347	404	440	470	501		
MD1Total weight		356	367	420	444	461	488	411	427	484	520	550	581		
Lifting height	m	6	9	12	18	24	30	6	9	12	18	24	30		
Travelling side width	B	930													
Hoist length	L	820	920	1020	1220	1420	1620	932	1035	1138	1344	1550	1756		
Hook upper limitation	H	840				950				954			1058		

Capacity	T	5						10					
Lifting height	m	6	9	12	18	24	30	9	12	18	24	30	
Lifting speed	m/min	8(0.8/8)						7(0.7/7)					
Trolley travelling speed	m/min	20/30											
Working duty	/	M4						M4					
Wire rope diameter	/	15											
Min. curvature radius	m	2.5		3	4	4.5	6	3.5	4	6	7.5	9	
Lifting motor	kw	7.5(0.8/7.5)						13(2.2/13)					
Travelling motor	kw	0.8						0.8*2					
Rail	Model	25a-45a					32b-45a						
CD1 Total weight	kg	517	575	677	726	766	806	1168	1218	1329	1421	1531	
MD1 Total weight		608	632	754	803	843	883	1224	1274	1385	1486	1587	
Lifting height	m	6	9	12	18	24	30	9	12	18	24	30	
Travelling side width	B	1055											
Hoist length	L	1047	1157	1257	1467	1677	1887	1602	1783	2145	2507	2869	
Hook upper limitation	H	1120	1183					1350					

Capacity	T	20											
Lifting height	m	9	12	18	24	9	12	15	18	21	24	27	30
Lifting speed	m/min	3.3(0.33/3.3)				4.2(0.42/4.2)							
Trolley travelling speed	m/min	14				14							
Working duty	/	M4				M4							
Wire rope diameter	/	21.5											
Min. curvature radius	m	3	4	5.5	7.6	3	3.5	4	5	6	7	8	9
Lifting motor	kw	18.5(2.2/18.5 4 poles)											
Travelling motor	kw	0.8*2											
Rail	Model	56a-63c											
Total weight	kg	2650	2820	3000	3450	2038	2127	2225	2369	2440	2520	2644	2727
Lifting height	m	9	12	18	24	9	12	15	18	21	24	27	30
Travelling side width	B	306~320				288~310							
Hoist length	L	1875	2108	2574	3040	1747	1942	2153	2364	2575	2786	2997	3208
Hook upper limitation	H	2500(1300)				2300(1300)							

Capacity	T	16					
Lifting height	m	9	12	18	24	30	
Lifting speed	m/min	3.5(0.35/3.5)					
Trolley travelling speed	m/min	18					
Working duty	/	M4					
Wire rope diameter	/	17.5					
Min. curvature radius	m	3.5	4	6	8	11	
Lifting motor	kw	13(2.2/13)					
Travelling motor	kw	0.8*2					
Rail	Model	32b-63c					
CD1 Total weight	kg	860	1080	1520	1940	2375	
MD1 Total weight		1250	1303	1406	1583	1683	
Lifting height	m	9	12	18	24	30	
Travelling side width	B	1055					
Hoist length	L	1872	2092	2532	2952	3387	
Hook upper limitation	H	2100					

Capacity	T	32					
Lifting height	m	9	12	16	20	24	
Lifting speed	m/min	3(0.3/3)					
Trolley travelling speed	m/min	16					
Working duty	/	M4					
Wire rope diameter	/	26					
Min. curvature radius	m	3.5	4.5	5.8	7.2	8.7	
Lifting motor	kw	18.5(2.2/18.5)					
Travelling motor	kw	1.5×2					
Rail	Model	>63c					
Total weight	kg	3085	3150	3470	3695	3900	
Lifting height	m	9	12	16	20	24	
Travelling side width	B	320					
Hoist length	L	1913	2127	2412	2697	2982	
Hook upper limitation	H	2500(1500)					

Metallurgy Electric Hoist

Product Overview

Metallurgy Electric Hoist is designed specifically for lifting molten metal or other high-temperature solid-state metallurgical wire rope electric hoist items. These hoists are widely used in mining industry, metallurgy and casting workplace to lift molten metal or other solid state, high-temperature loads.

Metallurgy Electric Hoist could be installed on electric single girder crane and double girder cranes, or it can be installed on a fixed overhead track. The installation is up to the application and the manufacturing facility where they will be used.

Lifting Capacity: 0.5~20t
Lifting Height: 9-20m
Working Level: M6
Ambient Temp: -20~40℃



Product Specifications

Capacity	T	2						3					
Lifting height	m	9	12	15	18	20	9	12	15	18	20		
Lifting speed	m/min	8(8/2)											
Trolley travelling speed	m/min	20											
Working duty	/	M4						M4					
Wire rope diameter	/	11						13					
Min. curvature radius	m	2	3	4	5	6	2	3	4	5	6		
Lifting motor	kw	3.0(3.0/0.75)						4.5(4.5/1.25)					
Travelling motor	kw	0.4						0.4					
Rail	Model	20a-28b											
Total weight	kg	439	457	479	494	505	475	493	515	530	541		
Lifting height	m	9	12	15	18	20	9	12	15	18	20		
Travelling side width	B	950											
Hoist length	L	1044	1147	1250	1353	1424	1110	1213	1316	1419	1490		
Hook upper limitation	H	1300						1315		1400			

Capacity	T	5						10					
Lifting height	m	9	12	15	18	20	9	12	15	18	20		
Lifting speed	m/min	8(8/2)						7(7/1.75)					
Trolley travelling speed	m/min	20											
Working duty	/	M4						M4					
Wire rope diameter	/	15											
Min. curvature radius	m	2.5	3	4	5	6	3.5	4	6	7.5	9		
Lifting motor	kw	7.5(7.5/2.0)						13(13/3.25)					
Travelling motor	kw	0.8						0.8*2					
Rail	Model	25a-45a						32b-45a					
Total weight	kg	679	752	776	794	809	1169	1221	1282	1326	1396		
Lifting height	m	9	12	15	18	20	9	12	15	18	20		
Travelling side width	B	1055											
Hoist length	L	1256	1356	1456	1556	1626	1647	1828	2009	2190	2310		
Hook upper limitation	H	1590						1600					

Electric Chain Hoist

Product Overview

Electric Chain Hoist is a light and small lifting equipment. Its main components are made by the high strength light metal alloy, has features of small volume, light weight, compact structure, beautiful, convenient operation, etc.

It is widely used in lifting heavy weights or installed on a single beam crane, linear, curve strander beams, which also be used to the hoist double beam, gourd gantry crane or cantilever crane. It is a light equipment for lifting, which is welcomed by Industrial and mining enterprises, railways, docks, warehouses.

Lifting Capacity: 0.1t ~10t.

Lifting Height: 3-8m

Lifting speed: 11~21m/min

Power: 0.9-4.8Kw



Product Specifications

Capacity (t)	Model	Lifting speed (m/min)	Motor power (kw)	Lifting height (m)	Lifting rate	Working duty FEM/ISO
0.25	NLG20250	2.0/8.0	0.09/0.36	3-8	1/1	1Am/M4
0.32	NLG20320	2.0/8.0	0.18/0.75		1/1	3m/M5
0.5	NLG20500	2.0/8.0	0.18/0.75		1/1	1Am/M4
0.63	NLG20630	2.5/10	0.45/1.90		2/1	2m/M5
1	NLG31000	2.5/10	0.45/1.90		1/1	1Bm/M3
1.5	NLG31500	1.25/5.0	0.75/3.0		1/1	1Am/M4
2	NLG32000	1.25/5.0	0.45/1.90		2/1	1Am/M4
2.5	NLG32500	1.25/5.0	1.2/4.8		1/1	1Am/M4
3	NLG33000	1.25/5.0	0.75/3.0		2/1	1Am/M4
5	NLG35000	1.25/5.0	1.2/4.8		2/1	1Am/M4

Capacity (t)	Model	Rated voltage	Dimensions (mm)					Lifting rate
			L1	L2	L3	H1	H2	
0.25	NLG20250	3 phase 380V-50HZ	165	327	360	515	567	1/1
0.32	NLG20320							1/1
0.5	NLG20500							1/1
0.63	NLG20630							2/1
1	NLG31000		196	375	460	595	588	1/1
1.5	NLG31500							1/1
2	NLG32000							2/1
2.5	NLG32500							1/1
3	NLG33000		225	425	560	760	610	2/1
5	NLG35000							2/1

Max.Capacity (t)	Travelling motor	Motor power	Speed(m/min)			The matched trolley	Rail width (mm)
			Double speed	Single speed (high)	Single speed (low)		
2	--	0.06/0.25	4.6/14	--	--	H11, H22	58~178
	--	0.65/0.4	--	18	10		
3	--	0.09/0.37	4.6/14	--	--	H33	82~178
	--	0.65/0.4	--	16	8		
5	--	0.18/0.75	4.6/14	--	--	H44	100~178
	--	0.65/0.4	--	16	8		



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