



E-mail: weihuacranes@Gmail.com 电话: 13643909869



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HB型防爆钢丝绳电动葫芦

HB Model Explosion Proof Wire Rope Electric Hoist

简介 A Brief Introduction

防爆钢丝绳电动葫芦根据GB3836.1-2000《爆炸性气体环境用防爆电气设备 第一部分：通用要求》及GB3836.2-2000《爆炸性气体环境用防爆电气设备 第二部分：隔爆型“d”》的规定，电机、电器为隔爆型，防爆级别为Exd II CT4时，运行机构进行防火花处理。整机符合JB/T10222-2001《防爆钢丝绳电动葫芦》的规定，防爆等级分别为Exd II BT4、Exd II CT4。本机可与车间固定悬挂轨道配合单独使用，也可与LXB防爆电动悬挂单梁、LB防爆电动单梁、防爆葫芦双梁配套使用。其起重量为1t-32t。工作环境温度为-25℃~40℃。

According to GB3836.1-2000《explosive gas atmosphere use explosion-proof electric equipment Part 1: common requirements》and GB3836.2-2000《explosive gas atmosphere use explosion-proof electric equipment Part 2: flameproof type d》, motor and electrical appliances of explosion proof wire rope electric hoist are explosion proof type. When explosion proof grade is Exd II CT4, travelling mechanism should do spark proof treatment. The whole machine meets standards of JB/T10222-2001《explosion proof wire rope electric hoist》, explosion proof grade have Exd II BT4 and Exd II CT4 two kinds. It can be installed under workshop fixed suspending rail to use individually and can be used together with LXB explosion proof electric suspension single girder crane, LB explosion proof electric single girder crane and explosion proof electric hoist double girder crane. The capacity is 1t-32t, working environment temperature is -25℃~40℃.

HB型防爆钢丝绳电动葫芦适用于工厂内具有防爆级别不高于B级或C级，引燃温度组别不低于T4（135℃）组的可燃性气体、蒸汽与空气形成的爆炸性气体环境中，所适用的危险区域为1区或2区，不适用于0区。

HB series explosion proof electric hoist adapts to the environment in factory that have explosive gas formed by inflammable gas、steam and air of which explosion proof grade is less than B grade or C grade and ignition group is more than T4（135℃）group. And the explosion proof electric hoist adapts to 1 area or 2 area, not 0 area.

注：0区：在正常情况下，爆炸性气体混合物连续地、短时间频繁地出现或长时间存在的场所。

Notes: 0 area : Under normal circumstances, the situation that explosive gas mixture appear continuously in a very short time or exist for a long time.

1区：在正常情况下，爆炸性气体混合物有可能出现的场所。

1 area : Under normal circumstances, the situation that explosive gas mixture maybe appear.

2区：在正常情况下，爆炸性气体混合物不能出现，仅在不正常情况下既有可能发生设备故障或误操作情况下，偶尔短时间出现的场所。

2 area : Under normal circumstances, explosive gas mixture can not appear. But under abnormal circumstances that equipment is out of order or misoperation takes place, the explosive gas mixture appears occasionally in a short time.

防爆钢丝绳电动葫芦所适用的危险气体举例见下表，未列入表内的其它危险气体见GB3836.1之附录。

Dangerous gas that explosion proof electric hoist can be used in is listed as follows. Refer to the appendix of GB3836.1 for other dangerous gas that has not been listed into the follow table.

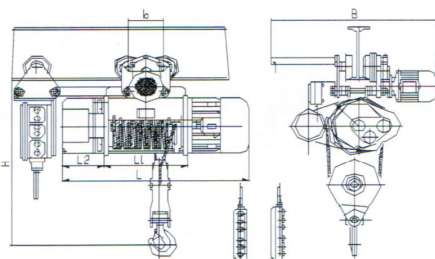


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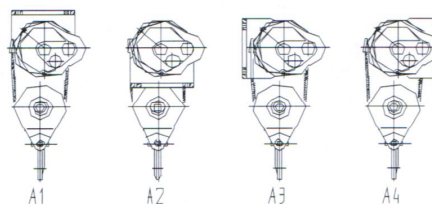
HB型防爆钢丝绳电动葫芦

HB Model Explosion Proof Wire Rope Electric Hoist

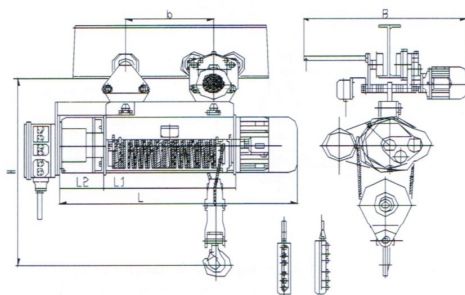
防爆标志 (类别、级别) Explosion-proof mark (sorts, grade)	危险气体举例 dangerous gas
Exd II BT4	乙烷、丙烷、丁烷、庚烷、癸烷、乙烯、丙烯、一氧化碳、汽油、丙酮、苯乙烯、甲苯、苯、甲醇、乙醇、氯乙烯、乙醛、二乙醚 Ethane, propane, butane, heptane, decane, ethylene, propylene, carbon monoxide, petrol, acetone, styrene, toluene, benzene, carbinol, ethanol, chloroethylene, acetaldehyde, diethyl ether
Exd II CT4	氢气、水煤气、乙炔及Exd II BT4以外的气体 hydrogen gas, water gas, acetylene and the gas except Exd II BT4



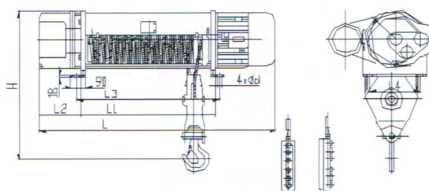
HB型 0.25-5吨(H=6-9米)
Model HB 0.25-5T(H=6-9m)



Hb型 固定式
Model HB Stationary



HB型 0.5-5吨(H=12-30米)
Model HB 0.5-5T(H=12-30m)



HB型 固定式 0.5-5吨(H=12-30米)
Model HB Stationary 0.5-5T(H=12-30m)



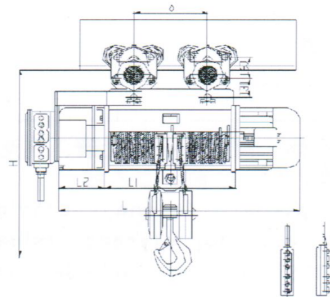
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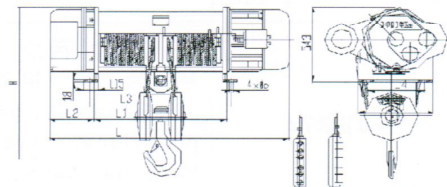
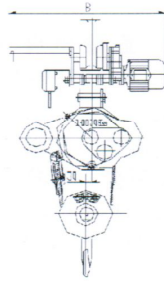
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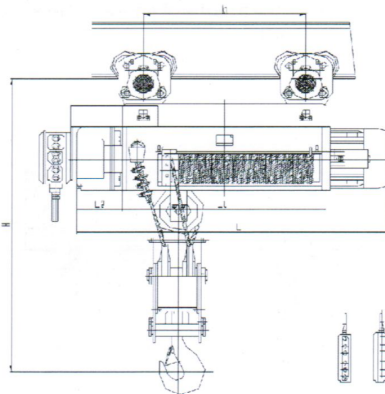
HB Model Explosion Proof Wire Rope Electric Hoist



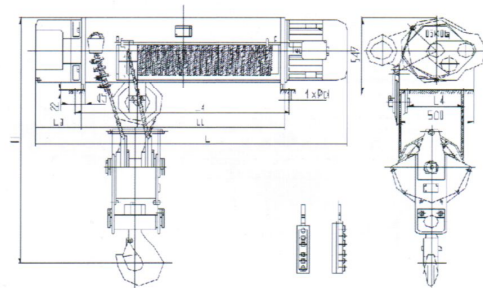
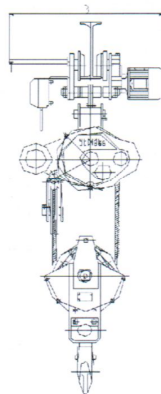
HB型 10吨(H=9-30米)
Model HB 10T(H=9-30m)



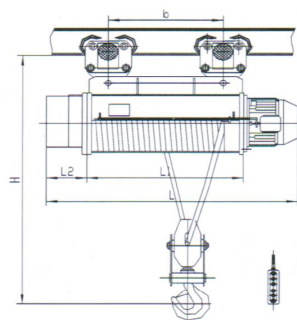
HB型 固定式 10吨(H=9-30米)
Model HB Stationary 10T (H=9-30m)



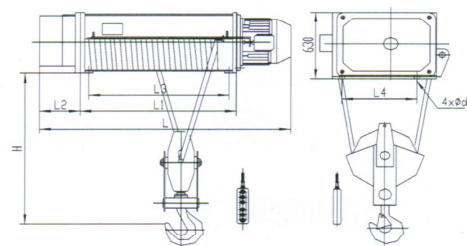
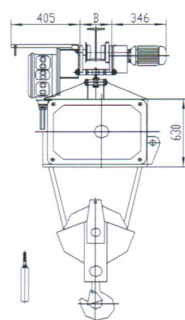
HB型 16吨(H=9-30米)
Model HB 16T(H=9-30m)



HB型固定式 16吨(H=9-30米)
Model HB Stationary 16T(H=9-30m)



HB型 16吨(H=12-48米)
Model HB 16T(Hoisting 12-48m)



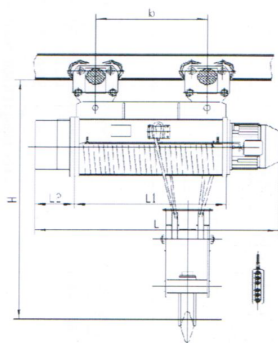
HB型固定式16吨(H=12-48米)
Model HB Stationary 16T(Hoisting 12-48m)



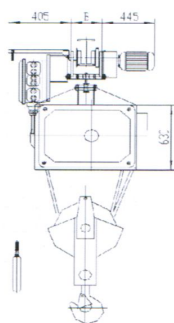
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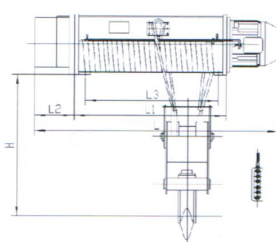
HB Model Explosion Proof Wire Rope Electric Hoist



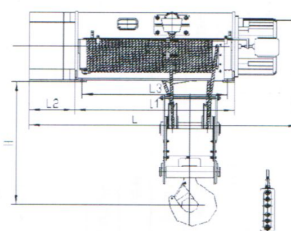
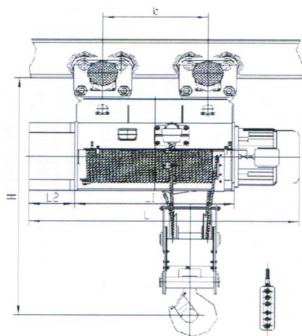
HB型 20吨(H=9-24米)
Model HB 20T(Hoisting=9-24m)



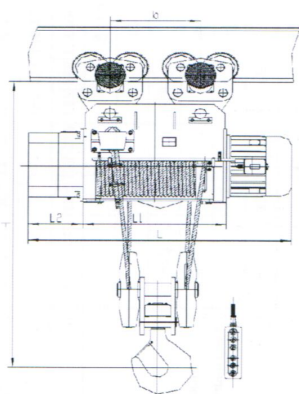
HB型固定式 20吨(H=9-24米)
Model HB Stationary 20T (Hoisting=9-24m)



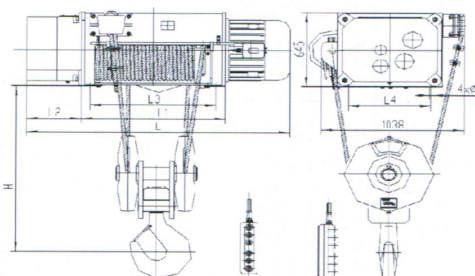
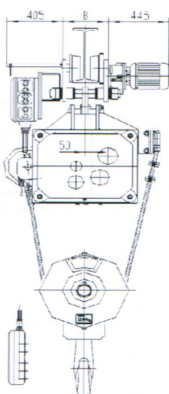
HB, 型 16吨(H=9-36米), 20吨(H=9-30米)
Model HB, 16T(Hoisting 9-36m), 20T(Hoisting 9-30m)



HB, 型固定式 16吨(H=9-36米), 20吨(H=9-30米)
Model HB, Stationary 16T(Hoisting 9-36m), 20T(Hoisting 9-30m)



HB型 32吨(H=9-24米)
Model HB 32T(Hoisting 9-24m)



HB型固定式 32吨(H=9-24米)
Model HB Stationary 32T(Hoisting 9-24m)



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型号		Type	HB(EXd ₁ BT4,EXd ₁ CT4)																																																			
起重量		Capacity(t)	0.25			0.5			1						2						3						5						10						16															
起升高度		Hoisting(m)	3	6	9	6	9	12	6	9	12	18	24	30	6	9	12	18	24	30	6	9	12	18	24	30	6	9	12	18	24	30	9	12	18	24	30	9	12	18	24	30												
起升速度		Hoisting speed(m/min)	8 (0.8/8)																														7 (0.7/7)						3.5 (0.35/3.5)															
运行速度		Travel speed(m/min)	20			20/30																																											18					
钢丝绳	绳径	Dia(mm)	3.6			4.8			7.4						11						13						15						17.5																					
	结构	Specification	6×19			6×37																																																
运行轨道		Track	10-20b			16-28b						20a-32c						25a-50b						32b-50b						32b-63c																								
最小曲率半径		Min curvature radius(m)	0.8			1.5			1.5			2	3	4	2	2.5			3	4	2	2.5			3	4	2.5	3	4	4.5	6	3.5	4	6	7.5	9	3.5	4	6	8	11													
起升电机	型号	Type	ZD,12-4			BZD,21-4			BZD,22-4						BZD,31-4						BZD,32-4						BZD,41-4						BZD,51-4																					
		BZDS,0.2/0.8				BZDS,0.2/1.5						BZDS,0.4/3.0						BZDS,0.4/4.5						BZDS,0.8/7.5						BZDS,1.5/13																								
	功率	Power(RW)	0.4			0.8(0.2/0.8)			1.5(0.2/1.5)						3.0(0.4/3.0)						4.5(0.4/4.5)						7.5(0.8/7.5)						13(1.5/13)																					
	转速	Rotation speed(r/min)	1380																																														1400					
	电流	Current(A)	1.25			2.4(0.72/2.4)			4.3(0.72/4.3)						7.6(1.25/7.0)						11(1.25/11)						18(2.4/18)						30(5.2/30)																					
运行电机	型号	Type	BZDY,10-4			BZDY,11-4						BZDY,12-4						BZDY,21-4																																				
	功率	Power(KW)	0.06			0.2						0.4						0.8																																				
	转速	Rotation speed(r/min)	1400			1380						1380						1380																																				
	电流	Current(A)	0.3			0.72						1.25						2.4																																				
结合次数		No.of connecting(次)	120																																																			
工作制度		Working system	中级 intermediate FC=25%																																																			
电源		Power source	三相交流 Three-phase AC 380V 50Hz																																																			
基本尺寸	L	Basic Dimensions (mm)	391			616	688	760	758	856	954	1150	1346	1542	820	920	1020	1220	1420	1620	932	1038	1138	1327	1533	1738	1047	1157	1257	1467	1677	1887	1602	1783	2145	2507	2869	1872	2092	2532	2952	3387												
	L1		78			274	346	418	345	443	541	737	933	1129	352	452	552	752	952	1152	380	483	586	792	998	1204	415	525	625	835	1045	1255	875	1056	1418	1780	2142	1136	1356	1796	2216	2651												
	L2		216			125			158						187						229						267						301																					
	L3					318	390	462	401	499	597	793	989	1185	418	518	618	818	1018	1218	448	551	654	860	1060	1272	485	606	695	905	1115	1325	949	1130	1492	1854	2216	1210	1430	1870	2290	2725												
	L4					190			196						240						264						320						376																					
	B		279-315			884			884						930												1055																											
	H		423			650			667			767			840			950			954			1058			1120			1183			1350			2100																		
	d					17			20						25						25(31)						25(37)																											
	b					185			185			270	470	660	860	205	280	480	680	880	205	320	530	730	940	228	340	550	760	920	490	670	1030	1395	1760	860	1080	1520	1940	2375														
	自重		CD ₁	Crane weight (Kg)	44	45	46	121	125	130	137	145	172	188	204	220	221	232	285	309	332	353	281	297	354	390	420	451	437	495	597	646	686	726	1048	1098	1209	1301	1411	1130	1183	1286	1463	1563										
MD ₁					138	142	147	164	174	199	215	231	247	256	267	320	344	361	388	311	327	384	420	450	481	508	532	654	703	743	783	1104	1154	1265	1366	1467	1220	1273	1376	1553	1653													
CD ₁ 围		30	31		32	89	94	99	105	112	120	135	159	165	166	179	186	209	229	249	222	236	250	284	312	340	377	400	415	456	493	529	795	841	943	1035	1127	850	903	1006	1183	1283												
MD ₁ 围					106	111	116	132	140	147	162	177	192	201	211	221	244	264	284	252	266	280	314	342	370	430	457	472	513	549	586	851	897	999	1091	1183	949	997	1090	1273	1373													