



HKD[®] Chain Hoist



Contents



Chain Hoist Structure

» **Shell:**

It is made of light aluminum alloy shell, light but hard. The cooling fin is specially designed to ensure quick heat dissipation with the rate up to 40% and continuous service. The integral enclosed structure is applicable to places like chemical plant and electroplate factory.

» **Side magnetic braking device:**

The magnetic orce generator is the latest design which is featured for generating magnetic force. It allows instant brake as soon as the electric power is cut off. Thus the braking safety while loading is guaranteed.

» **Limit switch:**

The limit switch device is installed where the weight is lifted on and off to make the motor to stop automatically so as to prohibit the chains from exceeding for safety.

» **Chain:**

The chain shall adopt the Japan FEC80 ultra heat - treatable steel alloy chain. It can be safely used in poor environments such as rain sea water and chemicals.

» **Hook:**

It is hot forging with perfect strength that is hard to break. The operation safety of the lower hook is ensured by its 360 degrees rotation and safety tongue piece.

» **Support frame:**

The loading support frame consists of two steel plates, which is extremely sturdy.

» **Transformer:**

24V/36V transformer device This device is used to prohibit unexpected accidents caused by electric leakage and guarantees the safe use while raining.

» **Electromagnetic contactor:**

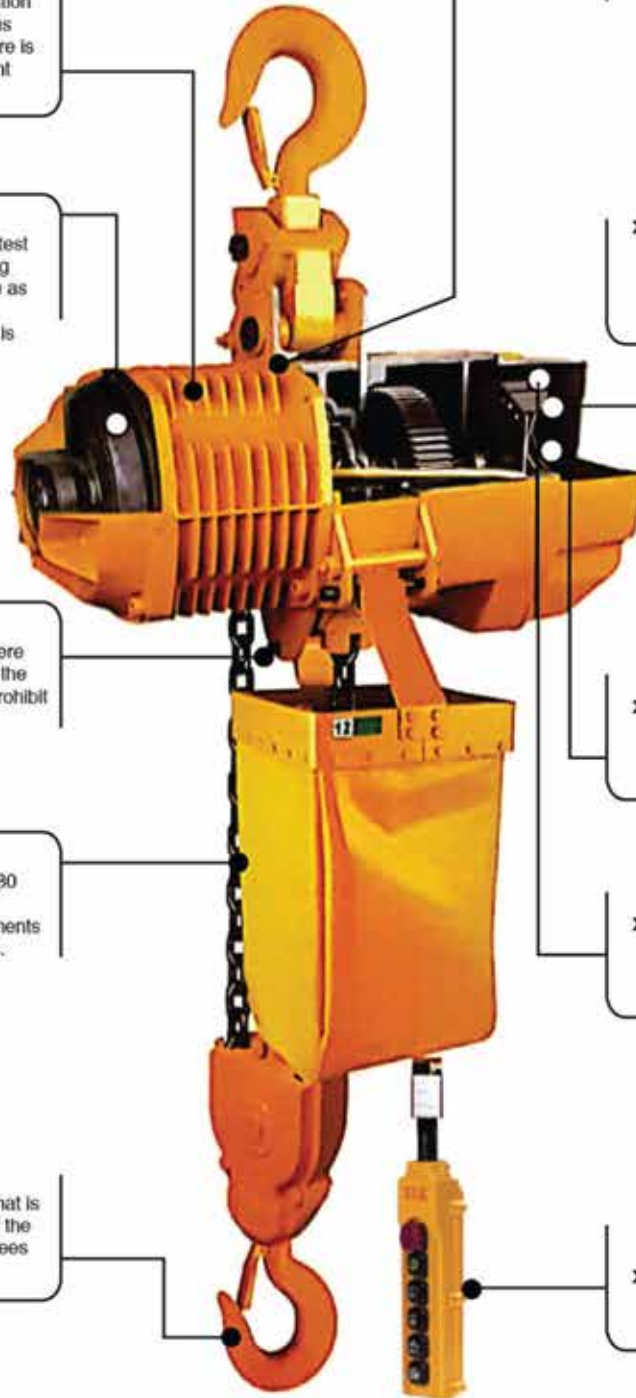
Electromagnetic contactor can be used safely under high frequency

» **Inverse phases sequence protecting device:**

It is the special electrical installation which controls the circuit not to work in case of wiring error in the power supply.

» **Push button:**

Waterproof push button is applied. It is light and durable.



» **Standard Fittings: Chain bag (1)**

Control cable (5m)

Push-button switch (1)



HKD Electrical Chain Hoist (Single Speed)

Voltage : Single Phase 220V 50Hz

Model	Capacity (ton)	Lifting Height (meter)	Lifting Speed (m/min)	Hoisting Motor (kw)	Load Chain (ø mm)	Chain Fall	Duty Rating (%)	Net Weight (kg)
HKD00501	0.5	5	6.6	1.5	7.1	1	35	59
HKD0101	1		6.6			1		59
HKD0202	2		3.3			2		71
HKD0303	3		2.2			3		83

Voltage : 3 Phase 415V 50Hz

Model	Capacity (ton)	Lifting Height (meter)	Lifting Speed (m/min)	Hoisting Motor (kw)	Load Chain (ø mm)	Chain Fall	Duty Rating (%)	Net Weight (kg)
HKD00301S	0.3	5	6.8	0.75	6.3	1	45	-
HKD00501S	0.5		6.8	0.75	6.3	1		59
HKD0101S	1		6.6	1.5	7.1	1		59
HKD0101SC	1		6.6	1.5	7.1	1		59
HKD0202S	2		3.3	1.5	7.1	2		71
HKD0201S	2		6.6	3.0	10.0	1		113
HKD0201SH	2		9.0	3.0	11.2	1		113
HKD0303S	3		2.2	1.5	7.1	3		83
HKD0301S	3		5.4	3.0	11.2	1		120
HKD0502S	5		2.7	3.0	11.2	2		149
HKD0502SH	5		4.4	3.0	11.2	2		149
HKD07503S	7.5		1.8	3.0	11.2	3		174
HKD1004S	10		2.7	3.0 x 2	11.2	4		298
HKD1506S	15		1.8	3.0 x 2	11.2	6		380
HKD2008S	20		1.4	3.0 x 2	11.2	8		480
HKD2508S	25		1.3	3.0 x 2	11.2	8		501
HKD3010S	30		1.0	3.0 x 2	11.2	10		720
HKD3512S	35		0.9	3.0 x 2	11.2	12		800
HKD4516S	45		0.6	3.0 x 2	11.2	16		1200



HKD Electrical Chain Hoist (Double Speed)

Voltage : 3 Phase 415V 50Hz

Model	Capacity (ton)	Lifting Height (meter)	Lifting Speed (m/min)	Hoisting Motor (kw)	Load Chain (ø mm)	Chain Fall	Duty Rating (%)	Net Weight (kg)
HKD00501SD	0.5	5	6.9 / 2.3	0.75 / 0.25	6.3	1	45	72
HKD0101SD	1		6.6 / 2.3	1.5 / 0.5	7.1	1		72
HKD0202SD	2		3.3 / 1.1	1.5 / 0.5	7.1	2		84
HKD0201SD	2		6.9 / 2.3	3.0 / 1.0	10.0	1		146
HKD0201SHD	2		9.0 / 3.0	3.0 / 1.0	11.2	1		157
HKD0303SD	3		2.3 / 0.8	1.5 / 0.5	7.1	3		100
HKD0301SD	3		5.4 / 1.8	3.0 / 1.0	11.2	1		157
HKD0502SD	5		2.7 / 0.9	3.0 / 1.0	11.2	2		182
HKD0502SHD	5		4.4 / 1.5	3.0 / 1.0	11.2	2		182
HKD07503SD	7.5		1.8 / 0.6	3.0 / 1.0	11.2	3		213
HKD1004SD	10		2.7 / 0.9	3.0 / 1.0 x 2	11.2	4		378
HKD 1506SD	15		1.8 / 0.6	3.0 / 1.0 x 2	11.2	6		453
HKD2008SD	20		1.5 / 0.5	3.0 x 2 / 1.0 x 2	11.2	8		543
HKD2508SD	25		1.2 / 0.4	3.0 x 2 / 1.0 x 2	11.2	8		501
HKD3010SD	30		1.1 / 0.35	3.0 x 2 / 1.0 x 2	11.2	10		720
HKD3512SD	35		0.9 / 0.3	3.0 x 2 / 1.0 x 2	11.2	12		800
HKD4516SD	45		0.6 / 0.2	3.0 x 2 / 1.0 x 2	11.2	16		1200



HKD Motorized Trolley (Single Speed)

Voltage : Single Phase 220V 50Hz

Model	Capacity (ton)	Trolley Speed (m/min)	Trolley Motor (kw)	Flange Width (mm)	Min Curved Radius (mm)	Net Weight (kg)
DDPC-0.5	0.5	14	0.4	100 ~ 300	800	50
DDPC-01	1				800	50
DDPC-02	2				900	58
DDPC-03	3				1000	69

Voltage : 3 Phase 415V 50Hz

Model	Capacity (ton)	Trolley Speed (m/min)	Trolley Motor (kw)	Flange Width (mm)	Min Curved Radius (mm)	Net Weight (kg)
DDPC-0.3S	0.3	12	0.12	100 ~ 300	800	40
DDPC-0.5S	0.5	14	0.4		800	50
DDPC-01S	1	14	0.4		800	50
DDPC-02S	2	14	0.4		900	58
DDPC-03S	3	14	0.75		1000	69
DDPC-05S	5	14	0.75		1000	88
DDPC-7.5S	7.5	14	0.75		1000	100
DDPC-10S	10	14	0.75		1000	158
DDPC-15S	15	14	0.75 x 2		1000	180
DDPC-20S	20	14	0.75 x 2		3000	270
DDPC-25S	25	14	0.75 x 2		3500	400
DDPC-30S	30	14	0.75 x 2		-	-
DDPC-35S	35	14	0.75 x 2		-	-
DDPC-45S	45	14	0.75 x 2		-	-
DDPC-20S	20	14	0.75 x 2		3000	270
DDPC-25S	25	14	0.75 x 2		3500	400
DDPC-30S	30	14	0.75 x 2		-	-
DDPC-35S	35	14	0.75 x 2		-	-
DDPC-45S	45	14	0.75 x 2		-	-



HKD Motorized Trolley (Double Speed)

Voltage : 3 Phase 415V 50Hz

Model	Capacity (ton)	Trolley Speed (m/min)	Trolley Motor (kw)	Flange Width (mm)	Min Curved Radius (mm)	Net Weight (kg)
DDPC-0.5SD	0.5	20 / 5	0.4 / 0.1	100 ~ 300	800	50
DDPC-01SD	1		0.4 / 0.1		800	50
DDPC-02SD	2		0.4 / 0.1		900	58
DDPC-03SD	3		0.75 / 0.18		1000	69
DDPC-05SD	5		0.75 / 0.18		1500	91
DDPC-7.5SD	7.5		0.75 / 0.18		1800	103
DDPC-10SD	10		0.75 / 0.18		2000	161
DDPC-015SD	15		0.75 / 0.18 x 2		2500	183
DDPC-20SD	20		0.75 / 0.18 x 2		3000	270
DDPC-25SD	25		0.75 / 0.18 x 2		3500	400
DDPC-30SD	30		0.75 / 0.18 x 2		-	-
DDPC-35SD	35		0.75 / 0.18 x 2		-	-
DDPC-45SD	45		0.75 / 0.18 x 2		-	-
DDPC-20SD	20		0.75 / 0.18 x 2		3000	270
DDPC-25SD	25		0.75 / 0.18 x 2		3500	400
DDPC-30SD	30		0.75 / 0.18 x 2		-	-
DDPC-35SD	35		0.75 / 0.18 x 2		-	-
DDPC-45SD	45		0.75 / 0.18 x 2		-	-



HKD Low Headroom Chain Hoist (Single Speed)

Voltage: 3 Phase 415v 50Hz

Model	Capacity (ton)	Lifting Height (meter)	Lifting Speed (m/min)	Hoisting Motor (kw)	Load Chain (ø mm)	Chain Fall	Trolley Speed (m/min)	Trolley Motor (kw)	Flange Width (mm)	Duty Rating (%)	Head Room (mm)	Min Radius (mm)	Net Weight (kg)
HKDSL00501S	0.5	5	6.8	0.75	6.3	1	14	0.4	100~300	45%	400	800	150
HKDSL0101S	1		6.6	1.5	7.1	1		0.4			480	800	150
HKDSL0202S	2		3.3	1.5	7.1	2		0.4			535	900	180
HKDSL0201S	2		6.6	3.0	10.0	1		0.4			570	900	180
HKDSL0201SHS	2		9.0	3.0	11.2	1		0.4			570	900	265
HKDSL0301S	3		5.4	3.0	11.2	1		0.75			640	1000	280
HKDSL0502S	5		2.7	3.0	11.2	2		0.75			740	1500	310
HKDSL0502SHS	5		4.4	3.0	11.2	2		0.75			740	1500	310
HKDSL07503S	7.5		1.8	3.0	11.2	3		0.75			890	1800	370
HKDSL1004S	10		2.7	3.0 x 2	11.2	4		0.75			890	2000	410
HKDSL1506S	15		1.8	3.0 x 2	11.2	6		0.75x2			1080	2500	600

HKD Low Headroom Chain Hoist (Double Speed)

Voltage: 3 Phase 415v 50Hz

Model	Capacity (ton)	Lifting Height (meter)	Lifting Speed (m/min)	Hoisting Motor (kw)	Load Chain (ø mm)	Chain Fall	Trolley Speed (m/min)	Trolley Motor (kw)	Flange Width (mm)	Duty Rating (%)	Head Room (mm)	Min Radius (mm)	Net Weight (kg)
HKDSL00501SD	0.5	5	6.9 / 2.3	0.75/0.25	6.3	1	20 / 5	0.4 / 0.1	100~300	45%	400	800	220
HKDSL0101SD	1		6.6 / 2.3	1.5 / 0.5	7.1	1		0.4 / 0.1			480	800	220
HKDSL0202SD	2		3.3 / 1.1	1.5 / 0.5	7.1	2		0.4 / 0.1			535	900	250
HKDSL0201SD	2		6.9 / 2.3	3.0 / 1.0	10.0	1		0.4 / 0.1			570	900	250
HKDSL0201SHSD	2		9.0 / 3.0	3.0 / 1.0	11.2	1		0.4 / 0.1			570	900	340
HKDSL0301SD	3		5.4 / 1.8	3.0 / 1.0	11.2	1		0.75 / 0.18			640	1000	340
HKDSL0502SD	5		2.7 / 0.9	3.0 / 1.0	11.2	2		0.75 / 0.18			740	1500	370
HKDSL0502SHSD	5		4.4 / 1.5	3.0 / 1.0	11.2	2		0.75 / 0.18			740	1500	370
HKDSL07503SD	7.5		1.8 / 0.6	3.0 / 1.0	11.2	3		0.75 / 0.18			890	1800	430
HKDSL1004SD	10		2.7 / 0.9	3.0/1.0x2	11.2	4		0.75 / 0.18			890	2000	470
HKDSL1506SD	15		1.8 / 0.6	3.0/1.0x2	11.2	6		0.75/0.18x2			1080	2500	630



HKD Twin Hook Chain Hoist (Single Speed)

Voltage: 3 Phase 415v 50Hz

Model	Capacity (ton)	Lifting Height (meter)	Hook Distant (meter)	Lifting Speed (m/min)	Hoisting Motor (kw)	Load Chain (ø mm)	Chain Fall	Trolley Speed (m/min)	Trolley Motor (kw)	Flange Width (mm)	Duty Rating (%)	Min Radius (mm)	Net Weight (kg)
HKDTH00501S	0.25+0.25	5	1~3	6.8	0.75	6.3	1	14	0.4	100~300	45%	800	170
HKDTH0101S	0.5+0.5			6.6	1.5	7.1	1		0.4			800	170
HKDTH0202S	1+1			3.3	1.5	7.1	2		0.4			900	200
HKDTH0201S	1+1			6.6	3.0	10.0	1		0.4			900	200
HKDTH0201SH	1+1			9.0	3.0	11.2	1		0.4			900	200
HKDTH0301S	1.5+1.5			5.4	3.0	11.2	1		0.75			1000	300
HKDTH0502S	2.5+2.5			2.7	3.0	11.2	2		0.75			1500	330
HKDTH0502SH	2.5+2.5			4.4	3.0	11.2	2		0.75			1500	330

HKD Twin Hook Chain Hoist (Double Speed)

Voltage: 3 Phase 415v 50Hz

Model	Capacity (ton)	Lifting Height (meter)	Hook Distant (meter)	Lifting Speed (m/min)	Hoisting Motor (kw)	Load Chain (ø mm)	Chain Fall	Trolley Speed (m/min)	Trolley Motor (kw)	Flange Width (mm)	Duty Rating (%)	Min Radius (mm)	Net Weight (kg)
HKDTH00501SD	0.25+0.25	5	1~3	6.9 / 2.3	0.75 / 0.25	6.3	1	20 / 5	0.4 / 0.1	100~300	45%	800	240
HKDTH0101SD	0.5+0.5			6.6 / 2.3	1.5 / 0.5	7.1	1		0.4 / 0.1			800	240
HKDTH0202S	1+1			3.3 / 1.1	1.5 / 0.5	7.1	2		0.4 / 0.1			900	270
HKDTH0201SD	1+1			6.9 / 2.3	3.0 / 1.0	10.0	1		0.4 / 0.1			900	270
HKDTH0201SD	1+1			9.0 / 3.0	3.0 / 1.0	11.2	1		0.4 / 0.1			900	270
HKDTH0301SD	1.5+1.5			5.4 / 1.8	3.0 / 1.0	11.2	1		0.75/0.18			1000	360
HKDTH0502SD	2.5+2.5			2.7 / 0.9	3.0 / 1.0	11.2	2		0.75/0.18			1500	390
HKDTH0502SHD	2.5+2.5			4.4 / 1.5	3.0 / 1.0	11.2	2		0.75/0.18			1500	390



HKD Synchronize Twin-Hoist (Single Speed)

Voltage: 3 Phase 415v 50Hz

Model	Capacity (Ton)	Lifting Height (Meter)	Hook Distant (Meter)	Lifting Speed (m/min)	Hoisting Motor (kw)	Load Chain (mm)	Chain Fall	Trolley Speed (m/min)	Trolley Motor (kw)	Flange Width (mm)	Duty Rating (%)	Min Radius (mm)	Net Weight (kg)
HKDS00301S	0.3 + 0.3	5	0.5 ~ 3	6.8	0.75	6.3	1	12	0.12	100 ~ 300	45	1500	190
HKDS00501S	0.5 + 0.5			6.8	0.75	6.3	1	14	0.4			1500	208
HKDS0101S	1 + 1			6.6	1.5	7.1	1	14	0.4			1500	220
HKDS0202S	2 + 2			3.3	1.5	7.1	2	14	0.4			2000	240
HKDS0201S	2 + 2			6.6	3.0	10.0	1	14	0.4			2000	332
HKDS0201SH	2 + 2			9	3.0	11.2	1	14	0.4			2000	332
HKDS0303S	3 + 3			2.2	1.5	7.1	3	14	0.75			2500	294
HKDS0301S	3 + 3			5.4	3.0	11.2	1	14	0.75			2500	368
HKDS0502S	5 + 5			2.7	3.0	11.2	2	14	0.75			3000	464

HKD Synchronize Twin-Hoist (Double Speed)

Voltage: 3 Phase 415v 50Hz

Model	Capacity (Ton)	Lifting Height (Meter)	Hook Distant (Meter)	Lifting Speed (m/min)	Hoisting Motor (kw)	Load Chain (mm)	Chain Fall	Trolley Speed (m/min)	Trolley Motor (kw)	Flange Width (mm)	Duty Rating (%)	Min Radius (mm)	Net Weight (kg)
HKDS00501SD	0.5 + 0.5	5	0.5 ~ 3	6.9 / 2.3	0.75 / 0.25	6.3	1	20 / 5	0.4 / 0.1	100 ~ 300	45	1500	234
HKDS0101SD	1 + 1			6.6 / 2.2	1.5 / 0.5	7.1	1		0.4 / 0.1			1500	234
HKDS0202SD	2 + 2			3.3 / 1.1	1.5 / 0.5	7.1	2		0.4 / 0.1			2000	274
HKDS0201SD	2 + 2			6.9 / 2.3	3.0 / 1.0	10.0	1		0.4 / 0.1			2000	398
HKDS0201SHD	2 + 2			9.0 / 3.0	3.0 / 1.0	11.2	1		0.4 / 0.1			2000	420
HKDS0303SD	3 + 3			2.3 / 0.8	1.5 / 0.5	7.1	3		0.75 / 0.18			2500	328
HKDS0301SD	3 + 3			5.4 / 1.8	3.0 / 1.0	11.2	1		0.75 / 0.18			2500	442
HKDS0502SD	5 + 5			2.7 / 0.9	3.0 / 1.0	11.2	2		0.75 / 0.18			3000	535

HKD Mini Hoist

Model	Capacity (kg)	Speed (m/min)	Lifting Height (meter)	Motor (kw)	Duty Rating (%)
DU-901	500	5	5	1.3	25
DU-902	1000	2.5	5	1.3	



HKD Chain Block

Model	Capacity (ton)	Lifting Height (meter)	Net Weight (kg)
HCB-1T	1	5	14
HCB-2T	2	5	21
HCB-3T	3	5	34
HCB-5T	5	5	45



HKD Level Block

Model	Capacity (ton)	Lifting Height (meter)	Net Weight (kg)
HLB-0.75T	0.75	1.5	6
HLB-1.5T	1.5	1.5	10
HLB-3T	3	1.5	18
HLB-6T	6	1.5	32

HKD Plain Trolley

Model	Capacity (ton)	Flange Width (mm)	Min Curved Radius (mm)	Net Weight (kg)
HPT-003	0.3	75 ~ 100	800	8
HPT-005	0.5	75 ~ 100	800	8
HPT-100	1	75 ~ 100	800	8
HPT-200	2	100 ~ 125	1000	10
HPT-300	3	125 ~ 150	1000	24
HPT-500	5	150 ~ 175	1500	36



HKD Gear Trolley

Model	Capacity (ton)	Flange Width (mm)	Hand Chain (meter)	Min Curved Radius (mm)	Net Weight (kg)
HGT-003	0.3	75 ~ 100	4	800	14
HGT-005	0.5	75 ~ 100	4	800	14
HGT-100	1	75 ~ 100	4	800	14
HGT-200	2	100 ~ 125	4	1000	16
HGT-300	3	125 ~ 150	4	1000	24
HGT-500	5	150 ~ 175	4	1500	36



HKD Electrical Chain Hoist

The HKD Electrical Chain Hoist offer smooth operation, efficient hoist combining reliability with style, safety with performance and advanced technology with modern design.

HKD Chain Hoist come with a wide array of options to suit individual needs and demand in optimizing material handling efficiency. Versatility includes option of single speed or double speed hoisting, power supply of single phase or three phase operated and choice of plain trolley, gear trolley, electrical motorized trolley.

Its Unique design permits the hoist to be hook Type or Screw Type (combined with HKD trolley) for reduced head-room applications.

Each Hoist is extensively tested before delivery, undergoing a dynamic load test using 125% of its rated capacity. The hoist go through overload and reduced voltage electrical tests as well as operational tests.

Motor

NEMA Class F insulation, resistance of up to 150°C motor winding temperature. The aluminum motor housing is light weight and provides good heat dissipation, allowing up to 27 minutes of continuous duty. Fully enclosed robust makes it most suitable for application in foundries, electro-plating factories etc.

Motor Brake

The magnetic force generator is the latest design which is featured for generating magnetic force. It allows instant brakes as soon as the electric power is cut off. Thus, braking safety while loading is guaranteed.

Limit Switch

The limit switch device is installed where the weight is lifted on and off to make the motor to stop automatically so as to prohibit the chains from exceeding for safety.

48V Control

48V transformer device is used to prohibit unexpected accidents caused by electric leakage and guarantees the safe use while raining.

Link Chain

Japan-made FEC Grade 80 Super alloy steel, heat-treated chain suitable for application in harsh environment.

Hook

It is hot forging with perfect strength that is hard to break, the operation safety of the lower hook is ensured by its 360 degrees rotation and safety tongue piece.

Pendant Control

IP65 water proof insulation with universal emergency stop.

HKD[®]

