



Professional cranes & hoists for lifting



Electric Chain Hoist / Low Headroom series



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- No further notice while sizes and dimensions update;
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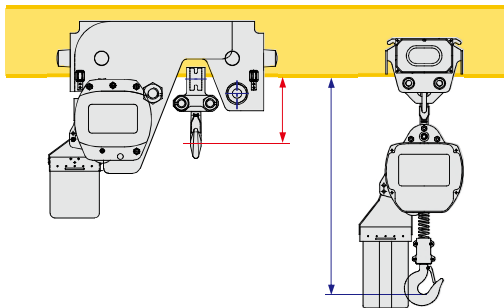


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Features

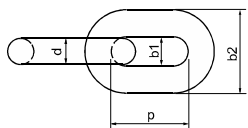
- Specially engineered frame combines hoist and trolley for low headroom application.
- Low headroom hoist maximizes effective lift.
- Impressive additional operating height is available with low headroom hoist.
- Other options are available on request.



Low headroom configuration

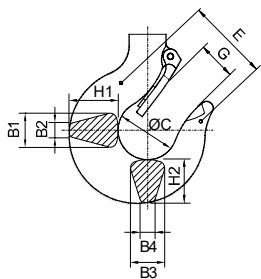
Standard configuration

LOAD CHAIN



Diameter d(mm)	Model Reference Being Used	Inner Length p(mm)	Inner Width b1(mm)	Outer Width b2(mm)	Breaking Load (kN)
Φ 7.1	YL(E・H)T-050~300 YL(H)TU-100~200	20.2	8.2	23.2	63
Φ 10.0	YST-200・300 YSTU-300	30.2	12.5	33.2	128
Φ 11.2	YST-250・500 YSTU-500	34.0	14.0	37.5	160

HOOK



Model	Capacity (ton) (kg)		Hook	Dimensions (mm)										Allow Stress (kg/mm ²)	Hook Break Weight (kg)
				H1	B1	B2	H2	B3	B4	C	G	E			
YL(H)T	0.5, 1		B	33	23	9	29	23	9	40	28	60	70	70	*10
	2		B	45	31	10	41	31	10	46	36	75	70	70	*10
	3		B	55	34	19	48	34	19	52	40	90	70	70	*10
YL(E・H)TU	1		B	33	23	9	29	23	9	40	28	60	70	70	40
	2		B	45	31	10	41	31	10	46	36	75	70	70	40
	2, 2.5		B	55	34	19	48	34	19	52	40	90	70	70	10
YST	3		B	55	34	19	48	34	19	52	40	90	70	70	20
	5		B	66	44	23	60	44	23	62	45	100	70	70	20
	3		B	55	34	19	48	34	19	52	40	90	70	70	50
YSTU	3		B	66	44	23	60	44	23	62	45	100	70	70	90
	5		B	66	44	23	60	44	23	62	45	100	70	70	90

● B=Bottom hook ● If the weight is less than 10 kg, it will be considered as 10 kg.

POWER SUPPLY :

- Electric Chain Hoists are available in all standard voltages of three Phase power, from 220V to 600V; as well as 115V or 230V of three Phase hoists are re-connectable.

LIFTING HEIGHT :

- Standard lifting height: 3 Meters / 6 Meters.
- Additional height available upon request (may be extra charged according to load chain length).

LIFTING SPEED :

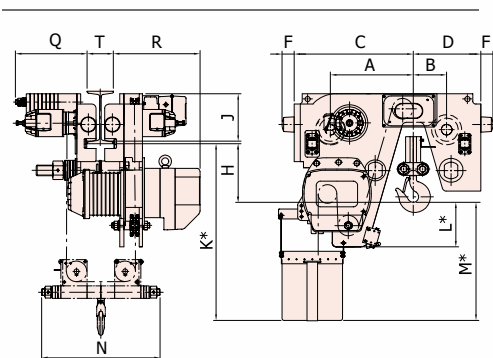
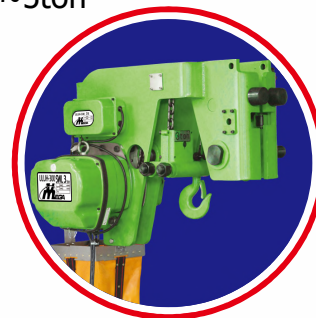
- Please refer to each detailed specification.

PUSH BUTTON PENDENT :

- 4-button type: up and down; left and right (trolley).
- 6-button type: up and down; left and right; forward and reverse (end carrier).



ULHU(D) 300~500 Series 1ton~5ton

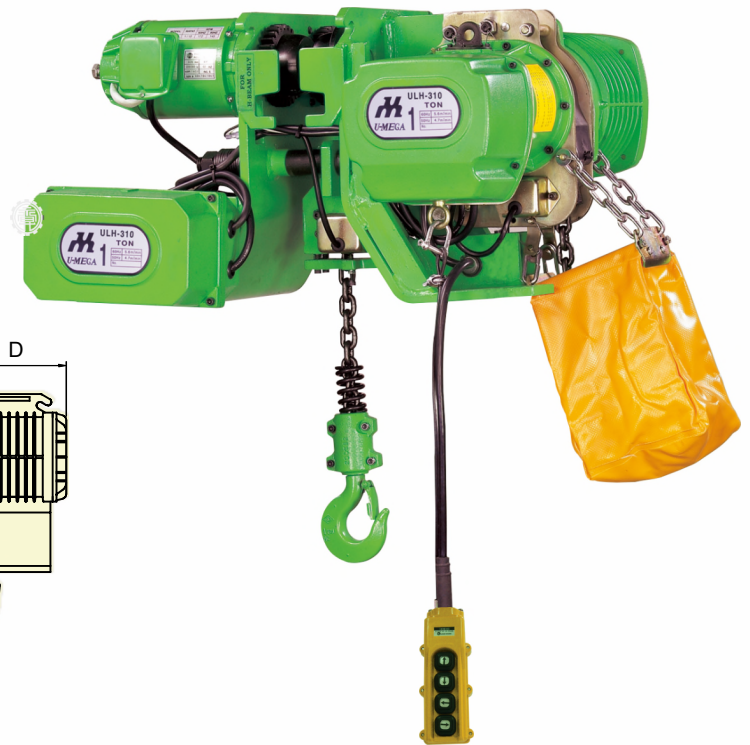
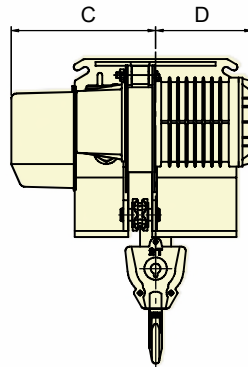
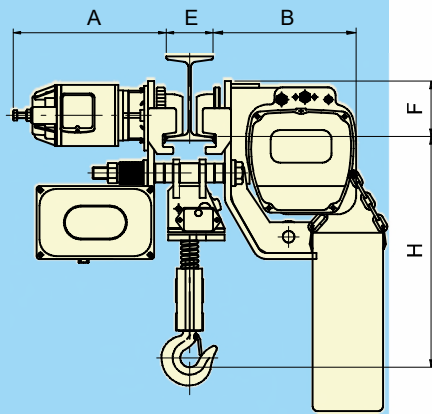


Specification/Dimensions

Model	Capacity (ton)	Fall no.	Dimension (mm)														Hoisting				Traversing				Flange Width	
			H	A	B	C	D	F	J	K*	L*	M*	N	Q	R	Speed(m/min)		Motor kw pole	Speed(m/min)		Motor kw pole	T	N.W. (kg)			
																50Hz	60Hz		50Hz	60Hz						
ULHU-310	1	2	240	302	128	431	256	21	147	746	240	506	435	343	349	3.3	4.0	1.5, 4P	20	24	0.25x2, 4P	100-125	240			
ULHUD-310																3.3/1.1	4.0/1.3	1.8/0.6, 4/12P	20/6.7	24/8	0.25/0.08x2, 4/12P					
ULHU-410	1	2	240	302	128	431	256	21	147	746	240	506	435	343	349	4.6	5.5	1.8, 4P	20	24	0.25x2, 4P	100-125	240			
ULHUD-410																4.6/1.5	5.5/1.8	1.8/0.6, 4/12P	20/6.7	24/8	0.25/0.08x2, 4/12P					
ULHU-320	2	2	255	302	128	431	256	21	167	738	217	483	435	343	349	2.3	2.8	1.8, 4P	20	24	0.25x2, 4P	125-150	272			
ULHUD-320																2.3/0.77	2.8/0.93	1.8/0.6, 4/12P	20/6.7	24/8	0.25/0.08x2, 4/12P					
ULHU-420	2	2	255	302	128	431	256	21	167	738	217	483	435	343	349	3.3	4.0	1.8, 4P	20	24	0.25x2, 4P	125-150	272			
ULHUD-420																3.3/1.1	4.0/1.3	1.8/0.6, 4/12P	20/6.7	24/8	0.25/0.08x2, 4/12P					
ULHU-530	3	2	280	395	160	569	324	57	227	925	240	645	565	352	416	4.3	5.2	3.7, 4P	20	24	0.4x2, 4P	125-175	593			
ULHUD-530																4.3/1.4	5.2/1.7	3.7/1.2, 4/12P	20/6.7	24/8	0.4/0.13x2, 4/12P					
ULHU-550	5	2	330	395	160	569	324	57	227	864	123	534	580	366	430	2.7	3.2	3.7, 4P	20	24	0.4x2, 4P	125-175	627			
ULHUD-550																2.7 / 0.9	3.2/1.1	3.7/1.2, 4/12P	20/6.7	24/8	0.4/0.13x2, 4/12P					

※Duty Rating(ED%) : Single 40% ;Dual 40%/20% ※"K*" : Standard lifting height 3M

■ ULH(D) 100~500 Series 0.5ton~5ton



■ Specification/Dimensions

Model	Capacity (ton)	Fall no.	Dimension (mm)							Hoisting			Traversing			N.W. (kg)
			H	A	B	C	D	E	F	Speed(m/min)		Motor kw pole	Speed(m/min)		Motor kw pole	
										50Hz	60Hz		50Hz	60Hz		
ULH-105	0.5	1	440	327	307	278	241	75-125	112	6.7	8.0	1.5, 4P	20	24	0.25, 4P	188
ULHD-105							286			6.7/2.2	8.0/2.7	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P	
ULH-110	1	1	440	327	307	278	241	75-125	112	4.7	5.6	1.5, 4P	20	24	0.25, 4P	188
ULHD-110							286			4.7/1.6	5.6/1.8	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P	
ULH-120	2	2	520	330	310	311	208	100-150	118	2.3	2.8	1.8, 4P	20	24	0.25, 4P	216
ULHD-120							253			2.3/0.8	2.8/1.0	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P	
ULH-305	0.5	1	440	327	307	278	241	75-125	112	6.7	8.0	1.5, 4P	20	24	0.25, 4P	188
ULHD-305							286			6.7/2.2	8.0/2.7	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P	
ULH-310	1	1	440	327	307	278	241	75-125	112	4.7	5.6	1.5, 4P	20	24	0.25, 4P	188
ULHD-310							286			4.7/1.6	5.6/1.8	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P	
ULH-320	2	2	520	330	310	311	208	100-150	118	2.3	2.8	1.8, 4P	20	24	0.25, 4P	216
ULHD-320							253			2.3/0.8	2.8/1.0	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P	
ULH-330	3	3	593	366	315	343	208	125-175	143	1.5	1.8	1.8, 4P	20	24	0.6, 4P	277
ULHD-330							221			1.5/0.5	1.8/0.6	1.8/0.6, 4/12P	20/7	24/8	0.6/0.2, 4/12P	
ULH-405	0.5	1	440	327	307	278	241	75-125	112	9.2	11	1.8, 4P	20	24	0.25, 4P	188
ULHD-405							286			9.2/3.1	11/3.7	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P	
ULH-410	1	1	440	327	307	278	241	75-125	112	6.7	8.0	1.8, 4P	20	24	0.25, 4P	188
ULHD-410							286			6.7/2.2	8.0/2.7	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P	
ULH-420	2	2	520	330	310	311	208	100-150	118	3.3	4.0	1.8, 4P	20	24	0.25, 4P	216
ULHD-420							253			3.3/1.1	4.0/1.3	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P	
ULH-430	3	3	593	366	315	343	208	125-175	143	2.2	2.6	1.8, 4P	20	24	0.6, 4P	277
ULHD-430							221			2.2/0.7	2.6/0.9	1.8/0.6, 4/12P	20/7	24/8	0.6/0.2, 4/12P	
ULH-520	2	1	702	371	443	318	319	125-175	143	6.6	7.9	3.7, 4P	20	24	0.6, 4P	438
ULHD-520							376			6.6/2.2	7.9/2.6	3.7/1.2, 4/12P	20/7	24/8	0.6/0.2, 4/12P	
ULH-525	2.5	1	724	371	443	318	319	125-175	143	5.3	6.4	3.7, 4P	20	24	0.6, 4P	448
ULHD-525							376			5.3/1.8	6.4/2.1	3.7/1.2, 4/12P	20/7	24/8	0.6/0.2, 4/12P	
ULH-530	3	2	765	371	443	274	363	125-175	143	4.3	5.2	3.7, 4P	20	24	0.6, 4P	465
ULHD-530							420			4.3/1.4	5.2/1.7	3.7/1.2, 4/12P	20/7	24/8	0.6/0.2, 4/12P	
ULH-550	5	2	805	371	443	265	372	125-175	148	2.7	3.2	3.7, 4P	20	24	0.6, 4P	505
ULHD-550							429			2.7/0.9	3.2/1.0	3.7/1.2, 4/12P	20/7	24/8	0.6/0.2, 4/12P	

※Maximun lifting height : 6M

■ Federation Europeenne De La Manutention

Cubic mean value Definitions		Average operating time per day in hours							
1 (light)	$(k \leq 0.50)$ Mechanisms or parts thereof, usually subject to very small loads and in exceptional cases only to maximum loads.	0.25-0.5	0.5-1	1-2	2-4	4-8	8-16	> 16	
2 (medium)	$(0.50 < k \leq 0.63)$ Mechanisms or parts thereof, usually subject to small loads but rather often to maximum loads.	0.12-0.25	0.25-0.5	0.5-1	1-2	2-4	4-8	8-16	> 16
3 (heavy)	$(0.63 < k \leq 0.80)$ Mechanisms or parts thereof, usually subject to medium loads but frequently to maximum loads.	≤ 0.12	0.12-0.25	0.25-0.5	0.5-1	1-2	2-4	4-8	8-16
4 (very heavy)	$(0.80 < k \leq 1)$ Mechanisms or parts thereof, usually subject to maximum or almost to maximum loads.		≤ 0.12	0.12-0.25	0.25-0.5	0.5-1	1-2	2-4	4-8
Classification of Mechanisms FEM 9.511		1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m

■ ISO/FEM (9.511)

Classification of mechanisms into groups

1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m
M 1	M 2	M 3	M 4	M 5	M 6	M 7	M 8

Class of operation time

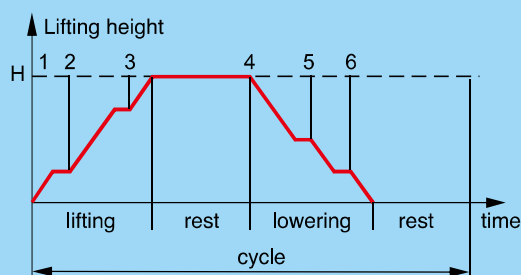
Class of operation time		Average operating time per day (in hours)	Calculated total operating time in hours
V0.06	T0	≤ 0.12	200
V0.12	T1	≤ 0.25	400
V0.25	T2	≤ 0.5	800
V0.5	T3	≤ 1	1600
V1	T4	≤ 2	3200
V2	T5	≤ 4	6300
V3	T6	≤ 8	12500
V4	T7	≤ 16	25000
V5	T8	≤ 16	50000

Classification of mechanisms

Load spectrum	Cubic mean value	Class of operation time									
		V0.06	V0.12	V0.25	V0.5	V1	V2	V3	V4	V5	
		T0	T1	T2	T3	T4	T5	T6	T7	T8	
		Average operating time per day in hours									
		≤ 0.12	≤ 0.25	≤ 0.5	≤ 1	≤ 2	≤ 4	≤ 8	≤ 16	>16	
1 L1	$k \leq 0.50$			1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	
2 L2	$0.50 < k \leq 0.63$		1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m	
3 L3	$0.63 < k \leq 0.80$	1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m		
4 L4	$0.80 < k \leq 1.00$	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m			

■ Operation Cycle

Hoist with one speed



Hoist with two speed

