



# **Low Headroom**

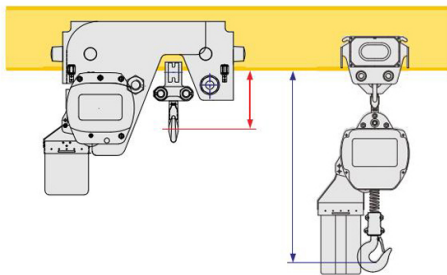


TAIWAN : HOITECH MACHINERY INDUSTRIAL CO., LTD  
VIETNAM : QUANG LIEN CRANE ELEVATOR CO., LTD.



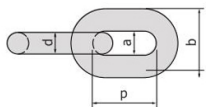
# Features

- 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.



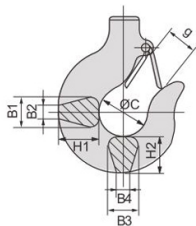
Low headroom configuration      Standard configuration

## LOAD CHAIN



Diameter d(mm)	Model Reference Being Used	Inner Length p(mm)	Inner Width a(mm)	Outer Width b(mm)	Breaking Load (kn)
Φ 4.0	NHTD-025-1 NHTD-050-2	12.0	4.8	13.7	20
Φ 6.3	NHTD-050-1 NHTD-100-2	19.1	7.6	21.4	50
Φ 7.1	NHTD-100-1 NHTD-200-2	20.2	8.4	23.2	63
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	30.0	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)								
			H1	B1	B2	H2	B3	B4	C	q	
NHTD-025-1	250	B	20	12	6	20	12	6	30	22	
NHTD-050-2	500	B	28	18	8	23	18	8	35	22	
NHTD-050-1	500	B	33	23	9	29	23	9	40	28	
NHTD-100-2	1000	B	33	23	9	29	23	9	40	28	
NHTD-100-1	1000	B	33	23	9	29	23	9	40	28	
NHTD-200-2	2000	B	45	31	10	41	31	10	46	36	
YL(E.H)T	0.5,1	B	33	23	9	29	23	9	40	28	
	2	B	45	31	10	41	31	10	46	36	
YL(H)TU	3	B	55	34	19	48	34	19	52	40	
	1	B	33	23	9	29	23	9	40	28	
YST	2,2.5,3	B	45	31	10	41	31	10	46	36	
	5	B	55	34	19	48	34	19	52	40	
YSTU	3	B	67	45	23	60	45	23	62	45	
	5	B	55	34	19	48	34	19	52	40	
YSTU	3	B	67	45	23	60	45	23	62	45	
	5	B	67	45	23	60	45	23	62	45	

● B=Bottom hook

### Standard Accessories:

- 1.Chain container.....1pc
- 2.Power cord.....3M
- 3.Push button Pendant (3M).....1pc

## 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.

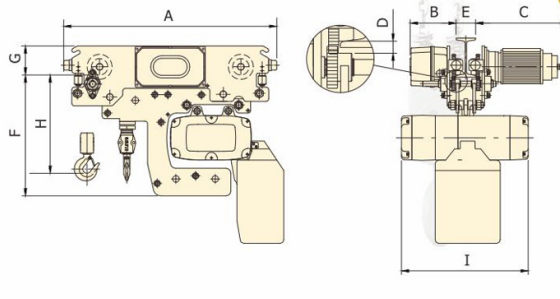
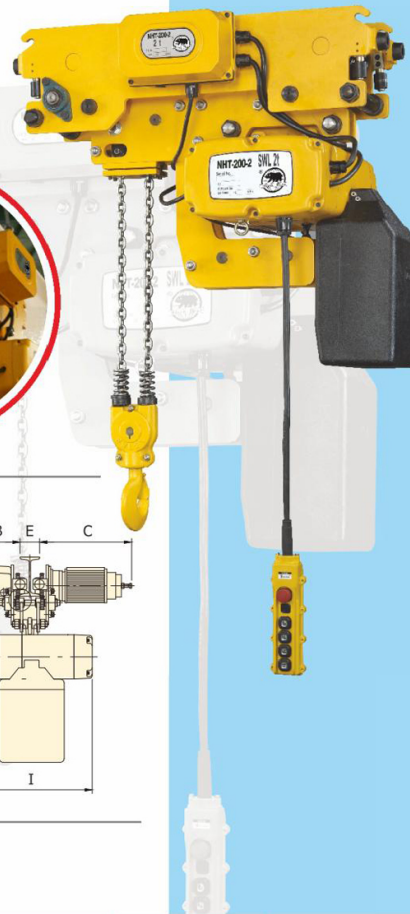
## PUSH BUTTON PENDENT :

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



# NHTD series

250kg~2000kg



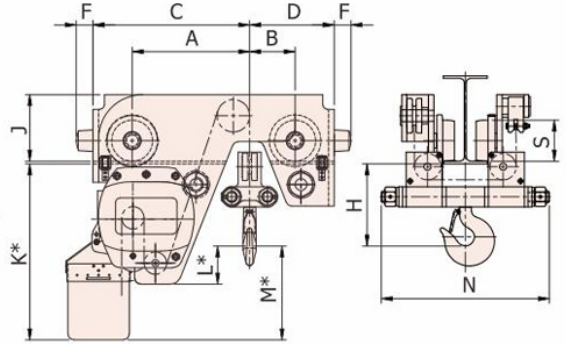
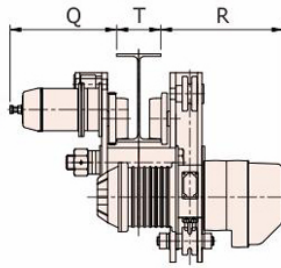
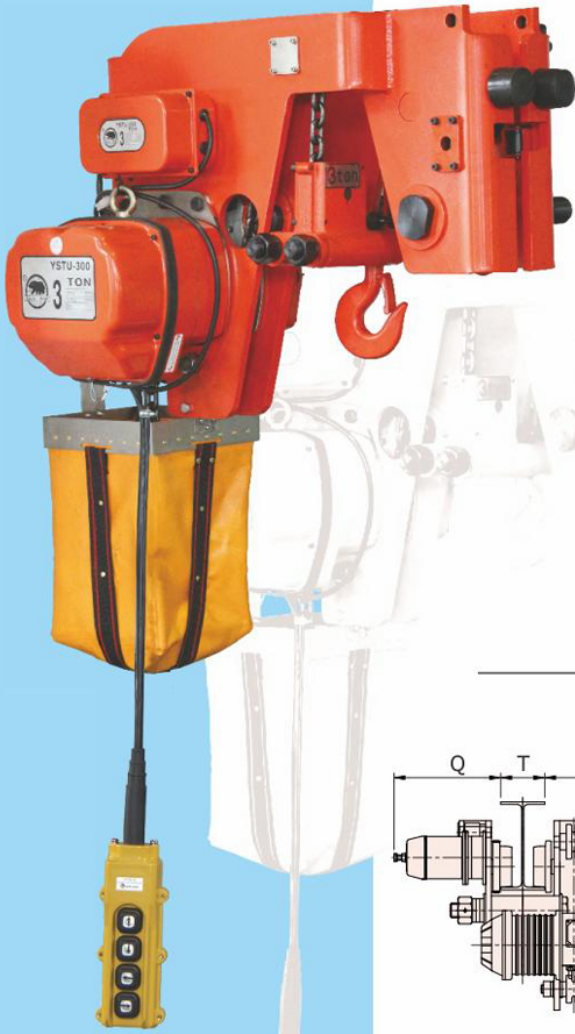
## Specification / Dimensions

Model	Capacity (kg)	Fall no.	Dimension (mm)									Hoisting		Traversing					
			H	A	B	C	E	F	D	G	I	Speed (m/min)		Motor Power kw Pole	Speed (m/min)	Motor Power kw Pole			
												50Hz	60Hz						
NHTD-025-1	250	1	360	795	177	355	75-125	453	15	112	380	12/3	12/3	0.6/0.15	2/8P	20/5	24/6	0.12/0.03	2/8P
NHTD-050-2	500	2	430	835	177	355	75-125	463	15	112	380	6/1.5	6/1.5	2/8P	2/8P	20/5	24/6	0.12/0.03	2/8P
NHTD-050-1	500	1	400	795	177	355	75-125	464	15	112	468	10/2.5	10/2.5	1.1/0.28	2/8P	20/5	24/6	0.12/0.03	2/8P
NHTD-100-2	1000	2	445	845	177	355	75-125	472	15	112	468	5/1.25	5/1.25	2/8P	2/8P	20/5	24/6	0.18/0.04	2/8P
NHTD-100-1	1000	1	405	795	177	355	75-125	464	15	112	488	8/2	8/2	1.5/0.37	2/8P	20/5	24/6	0.18/0.04	2/8P
NHTD-200-2	2000	2	485	850	181	360	100-150	459	26	125	488	4/1	4/1	2/8P	2/8P	20/5	24/6	0.37/0.09	2/8P

※ Duty Rating(ED%) ※ 40%/20%

# YLTU/YHTU /YSTU series

1ton~5ton



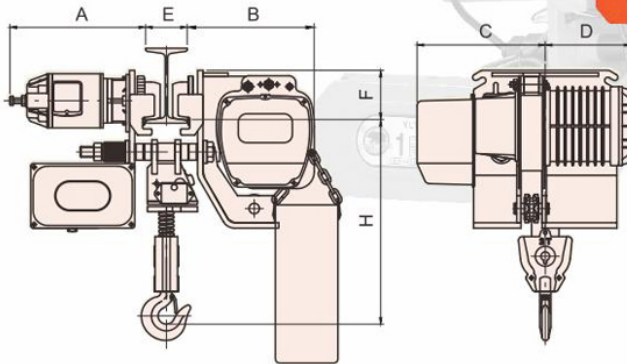
## ■ Specification/Dimensions

Model	Capacity (ton)	Fall no.	Dimension (mm)														Hoisting			Traversing			Flange Width (mm) T
			H	A	B	C	D	F	J	K*	L*	M*	N	Q	R	S	Speed(m/min)		Motor kw pole	Speed(m/min)		Motor kw pole	
																	50Hz	60Hz		50Hz	60Hz		
YLTU-100	1	2	240	262	128	370	237	21	135	590	197	415	370	325	321	78	3.3	4.0	1.5, 4P	20	24	0.25, 4P	75-125
YLTUD-100																	3.3/1.1	4.0/1.3	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P	
YHTU-100	1	2	240	262	128	370	237	21	135	590	197	415	370	325	321	78	4.6	5.5	1.8, 4P	20	24	0.25, 4P	75-125
YHTUD-100																	4.6/1.5	5.5/1.8	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P	
YLTU-200	2	2	255	262	128	370	237	21	155	590	197	415	395	325	321	90	2.3	2.8	1.8, 4P	20	24	0.25, 4P	100-150
YLTUD-200																	2.3/0.8	2.8/1.0	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P	
YHTU-200	2	2	255	262	128	370	237	21	155	590	197	415	395	325	321	90	3.3	4.0	1.8, 4P	20	24	0.25, 4P	100-150
YHTUD-200																	3.3/1.1	4.0/1.3	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P	
YSTU-300	3	2	280	400	160	560	325	57	227	600	160	350	575	361	414	110	4.3	5.2	3.7, 4P	20	24	0.6, 4P	125-175
YSTUD-300																	4.3/1.4	5.2/1.7	3.7/1.2, 4/12P	20/7	24/8	0.6/0.2, 4/12P	
YSTU-500	5	2	330	400	160	560	325	57	227	600	130	320	575	364	419	140	2.6	3.2	3.7, 4P	20	24	0.6, 4P	125-175
YSTUD-500																	2.6/0.9	3.2/1.0	3.7/1.2, 4/12P	20/7	24/8	0.6/0.2, 4/12P	

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

# YET/YLT /YHT/YST series

0.5ton~5ton



## Specification/Dimensions

Model	Capacity (ton)	Fall no.	Dimension (mm)							Hoisting			Traversing		
			H	A	B	C	D	E	F	Speed(m/min)		Motor kw pole	Speed(m/min)		Motor kw pole
										50Hz	60Hz		50Hz	60Hz	
YET-050	0.5	1	440	327	307	278	241	75-125	112	6.7	8.0	1.5, 4P	20	24	0.25, 4P
YETD-050										6.7/2.2	8.0/2.7		1.8/0.6, 4/12P	20/7	
YET-100	1	1	440	327	307	278	241	75-125	112	4.7	5.6	1.5, 4P	20	24	0.25, 4P
YETD-100										4.7/1.6	5.6/1.8		1.8/0.6, 4/12P	20/7	
YET-200	2	2	520	330	310	311	208	100-150	118	2.3	2.8	1.8, 4P	20	24	0.25, 4P
YETD-200										2.3/0.8	2.8/1.0		1.8/0.6, 4/12P	20/7	
YET-300	3	3	593	366	315	343	208	125-175	143	1.5	1.8	1.8, 4P	20	24	0.6, 4P
YETD-300										1.5/0.5	1.8/0.6		1.8/0.6, 4/12P	20/7	
YLT-050	0.5	1	440	327	307	278	241	75-125	112	6.7	8.0	1.5, 4P	20	24	0.25, 4P
YLTD-050										6.7/2.2	8.0/2.7		1.8/0.6, 4/12P	20/7	
YLT-100	1	1	440	327	307	278	241	75-125	112	4.7	5.6	1.5, 4P	20	24	0.25, 4P
YLTD-100										4.7/1.6	5.6/1.8		1.8/0.6, 4/12P	20/7	
YLT-200	2	2	520	330	310	311	208	100-150	118	2.3	2.8	1.8, 4P	20	24	0.25, 4P
YLTD-200										2.3/0.8	2.8/1.0		1.8/0.6, 4/12P	20/7	
YLT-300	3	3	593	366	315	343	208	125-175	143	1.5	1.8	1.8, 4P	20	24	0.6, 4P
YLTD-300										1.5/0.5	1.8/0.6		1.8/0.6, 4/12P	20/7	
YHT-050	0.5	1	440	327	307	278	241	75-125	112	9.2	11	1.8, 4P	20	24	0.25, 4P
YHTD-050										9.2/3.1	11/3.7		1.8/0.6, 4/12P	20/7	
YHT-100	1	1	440	327	307	278	241	75-125	112	6.7	8.0	1.8, 4P	20	24	0.25, 4P
YHTD-100										6.7/2.2	8.0/2.7		1.8/0.6, 4/12P	20/7	
YHT-200	2	2	520	330	310	311	208	100-150	118	3.3	4.0	1.8, 4P	20	24	0.25, 4P
YHTD-200										3.3/1.1	4.0/1.3		1.8/0.6, 4/12P	20/7	
YHT-300	3	3	593	366	315	343	208	125-175	143	2.2	2.6	1.8, 4P	20	24	0.6, 4P
YHTD-300										2.2/0.7	2.6/0.9		1.8/0.6, 4/12P	20/7	
YST-200	2	1	702	371	443	318	319	125-175	143	6.7	7.9	3.7, 4P	20	24	0.6, 4P
YSTD-200										6.7/2.2	7.9/2.6		3.7/1.2, 4/12P	20/7	
YST-250	2.5	1	724	371	443	318	319	125-175	143	5.2	6.4	3.7, 4P	20	24	0.6, 4P
YSTD-250										5.2/1.7	6.4/2.1		3.7/1.2, 4/12P	20/7	
YST-300	3	2	765	371	443	274	363	125-175	143	4.3	5.2	3.7, 4P	20	24	0.6, 4P
YSTD-300										4.3/1.4	5.2/1.7		3.7/1.2, 4/12P	20/7	
YST-500	5	2	805	371	443	265	372	125-175	148	2.6	3.2	3.7, 4P	20	24	0.6, 4P
YSTD-500										2.6/0.9	3.2/1.0		3.7/1.2, 4/12P	20/7	

\*Maximun lifting height ※6M

※YET(D) series of products are only applicable for Europe.

## FEDERATION EUROPEENNE DE LA MANUTENTION

Load spectrum	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.	$\leq 0.12$	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.		$\leq 0.12$	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:

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

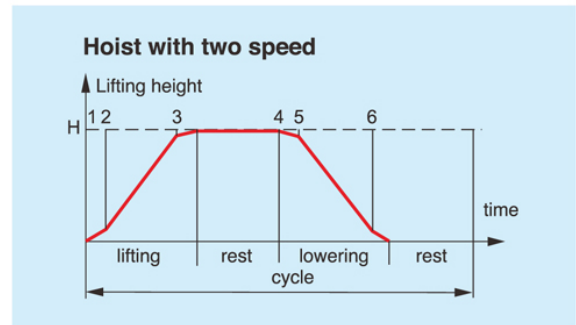
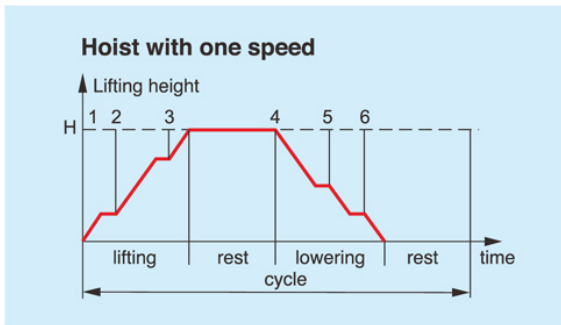
### Class of operating time:

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

### Classification of mechanisms into groups:

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									
		$\leq 0.12$	$\leq 0.25$	$\leq 0.5$	$\leq 1$	$\leq 2$	$\leq 4$	$\leq 8$	$\leq 16$	> 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



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■ No further notice while sizes and dimensions update; Quotations are based on practical dimensions.

■ Due to the printing factors, the color of the products is subject to minor deviation from the physical objects.