

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.	≤ 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:

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

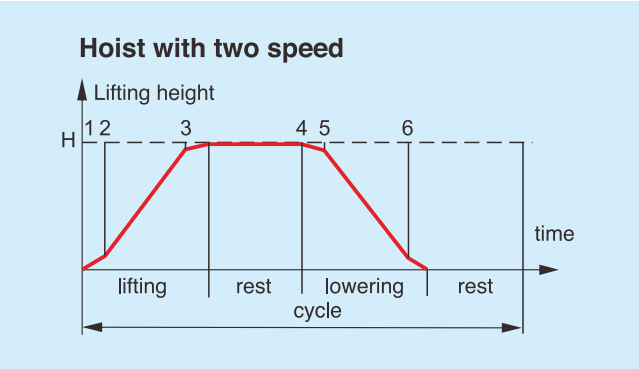
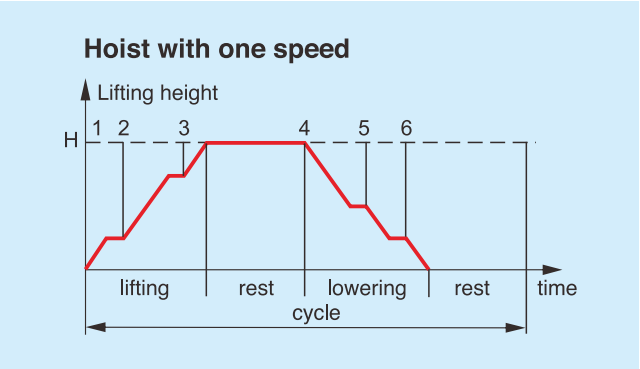
Classification of mechanisms into groups:

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									
1	L1	$k \leq 0.50$			≤ 0.12	≤ 0.25	≤ 0.5	≤ 1	≤ 2	≤ 4	≤ 8
2	L2	$0.50 < k \leq 0.63$			1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m
3	L3	$0.63 < k \leq 0.80$			1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m
4	L4	$0.80 < k \leq 1.00$			1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m

Class of operating 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

OPERATION CYCLE



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- Revision of January, 2011 (Edition No.2) #950188
- 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.



Low Headroom

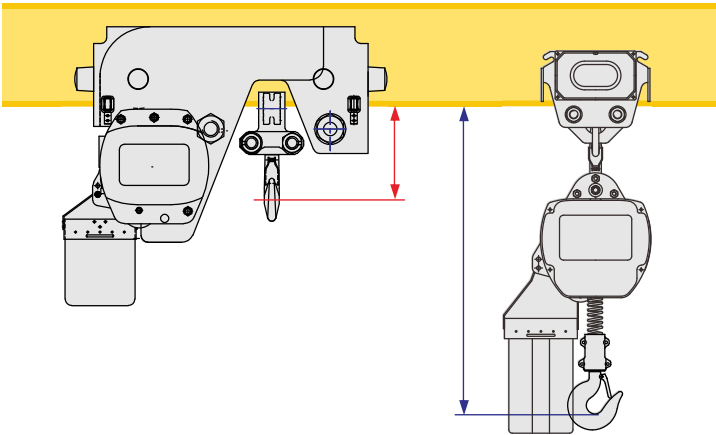


Electric Chain Hoist



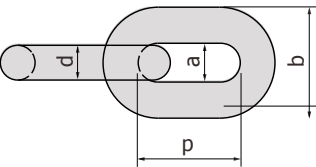
Features

- 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.



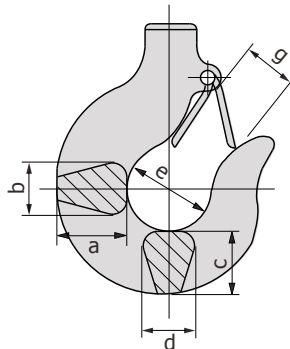
Low headroom configuration Standard configuration

LOAD CHAIN



Diameter d(mm)	Model Reference Being Used		Inner Length p(mm)	Inner Width a(mm)	Outer Width b(mm)	Breaking Load (kg)
Φ 4.0	NHTD-025-1	NHTD-050-2	12.0	4.8	13.7	2000
Φ 6.3	NHTD-050-1	NHTD-100-2	19.1	7.6	21.4	5000
Φ 7.1	NHTD-100-1	NHTD-200-2	20.2	8.4	23.6	6300
Φ 7.1	YL(H)T-050~300 YL(H)TU-100~200		20.2	8.9	23.6	6300
Φ 10.0	YST-200 · 300 YSTU-300		30.0	12.5	33.2	12500
Φ 11.2	YST-250 · 500 YSTU-500		34.0	14.0	37.2	16000

HOOK



Model	Capacity		Hook	Dimensions (mm)						
	(ton)	(kg)		a	b	c	d	e	g	
NHTD-025-1		250	B	20	12	20	12	36	32	
NHTD-050-2		500	B	28	18	23	18	35	30	
NHTD-050-1		500	B	33	23	29	23	40	28	
NHTD-100-2		1000	B	33	23	29	23	40	28	
NHTD-100-1		1000	B	33	23	29	23	40	28	
NHTD-200-2		2000	B	45	31	41	31	46	36	
YL(H)T	0.5,1		B	33	23	29	23	40	28	
	2		B	45	31	41	31	46	36	
	3		B	55	34	48	34	52	43	
YL(H)TU	1		B	33	23	29	23	40	28	
	2		B	45	31	41	31	52	36	
YST	2,2.5,3		B	55	34	48	34	52	43	
	5		B	67	45	60	45	62	45	
YSTU	3		B	55	34	48	34	52	43	
	5		B	67	45	60	45	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 :

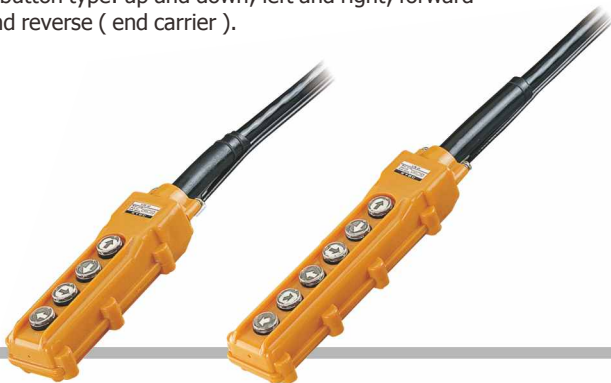
- Standard lifting height: 3 Meters / 6 Meters.
- Additional height available upon request (may be extra charged according to load chain length).

LIFTING SPEED :

- Please refer to each detailed specification.

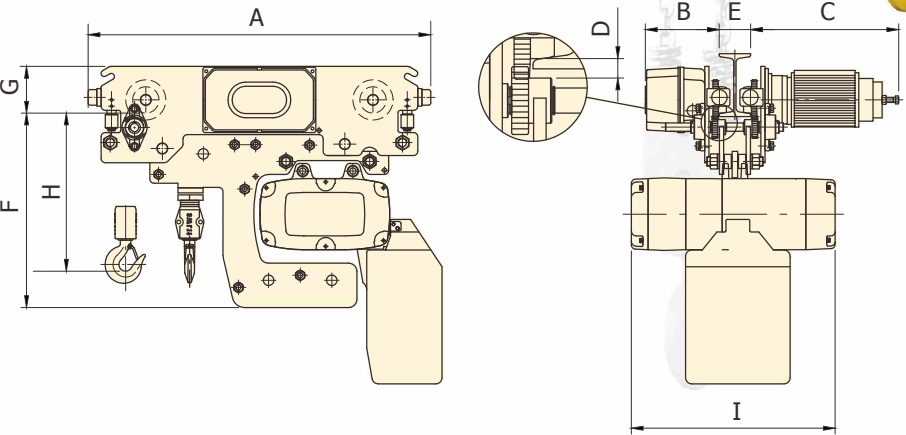
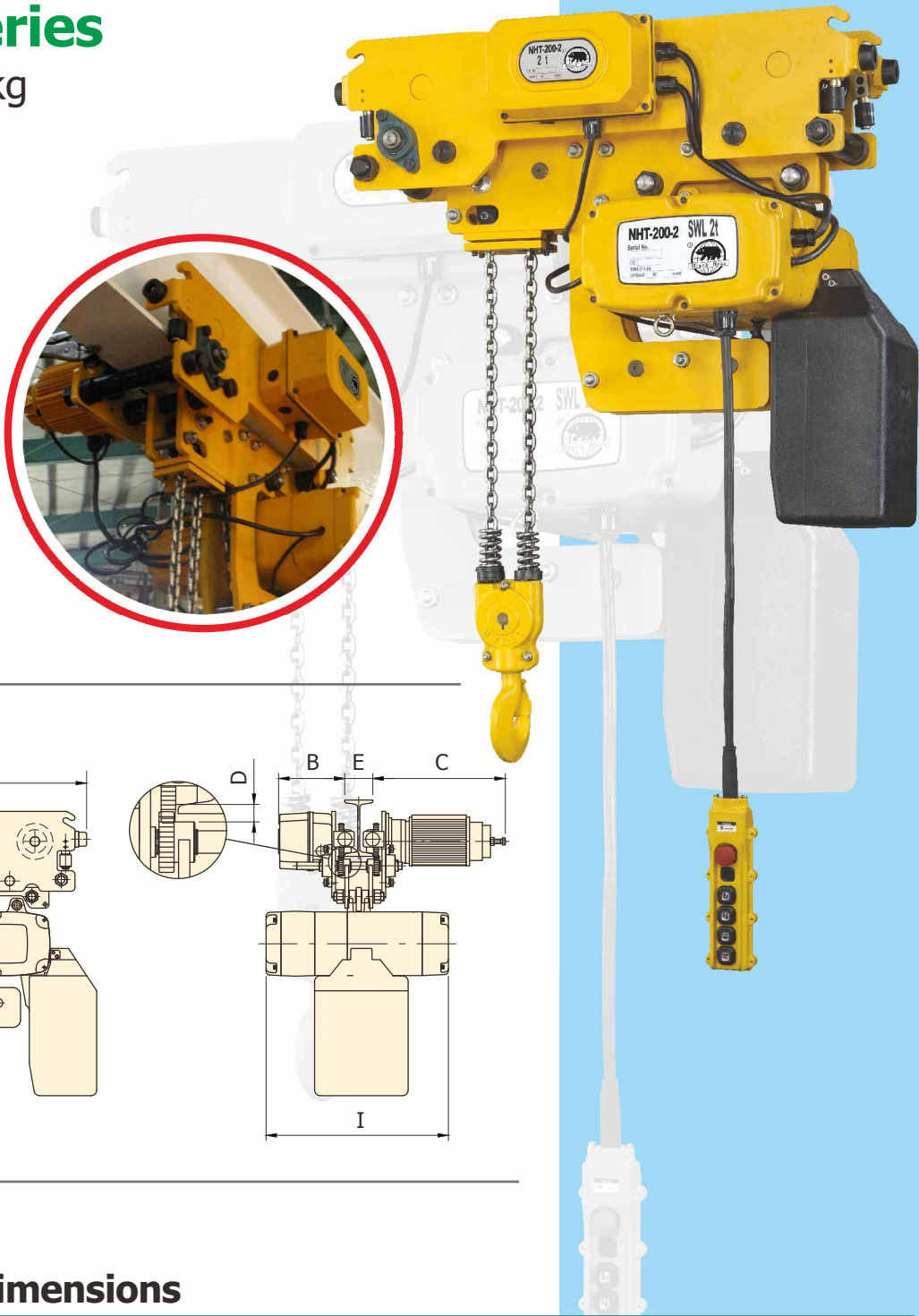
PUSH BUTTON PENDENT :

- 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

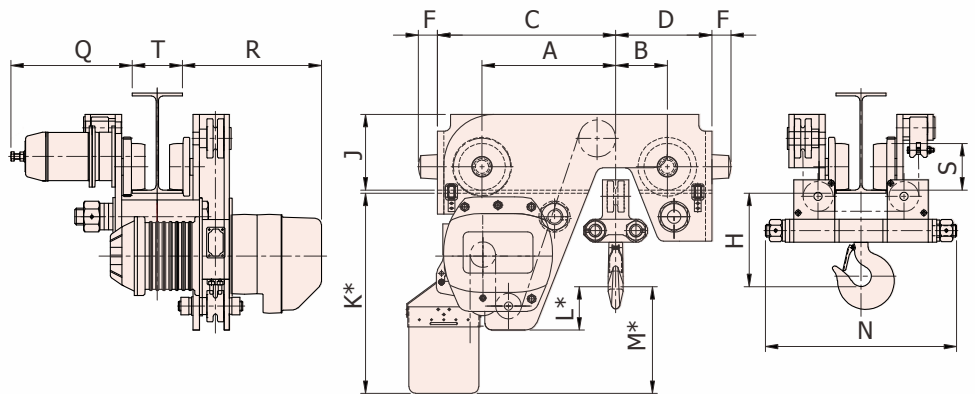
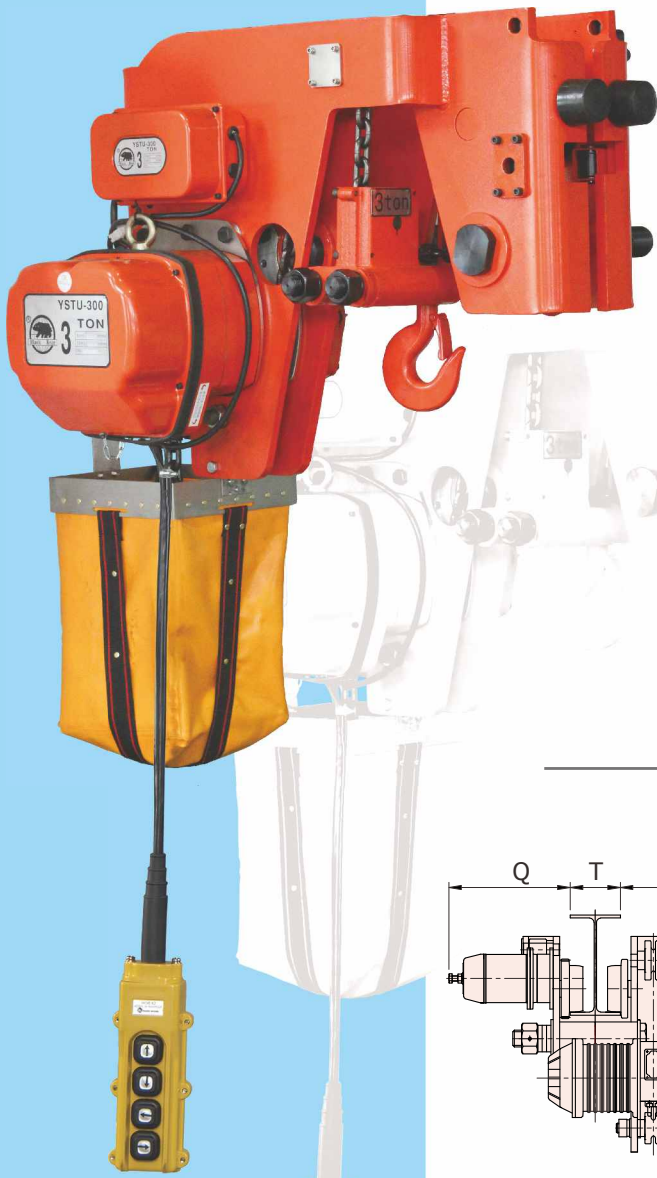


Specification / Dimensions

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		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		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		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		20/5	24/6	0.37/0.09 2/8P

※ Duty Rating(ED%) : 40%/20%

■ YLTU/YHTU /YSTU series 1ton~5ton



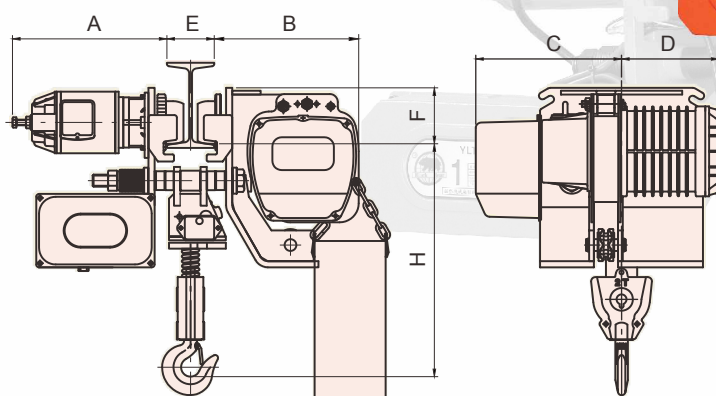
■ Specification/Dimensions

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) 50Hz 60Hz	Motor kw pole	Speed(m/min) 50Hz 60Hz	Motor kw pole	
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							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
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							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
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							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
YET-300	3	3	593	335	315	343	176	125-175	143	1.5	1.8	1.8, 4P	20	24	0.6, 4P
YETD-300							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
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							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
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							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
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							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
YLT-300	3	3	593	335	315	343	176	125-175	143	1.5	1.8	1.8, 4P	20	24	0.6, 4P
YLTD-300							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
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							286			9.2/3.1	11/3.7	1.8/0.6, 4/12P	20/7	24/8	0.25/0.08, 4/12P
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							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
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							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
YHT-300	3	3	593	335	315	343	176	125-175	143	2.2	2.6	1.8, 4P	20	24	0.6, 4P
YHTD-300							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
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							376			6.7/2.2	7.9/2.6	3.7/1.2, 4/12P	20/7	24/8	0.6/0.2, 4/12P
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							376			5.2/1.7	6.4/2.1	3.7/1.2, 4/12P	20/7	24/8	0.6/0.2, 4/12P
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							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
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							429			2.6/0.9	3.2/1.0	3.7/1.2, 4/12P	20/7	24/8	0.6/0.2, 4/12P

※ Maximun lifting height : 6M

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