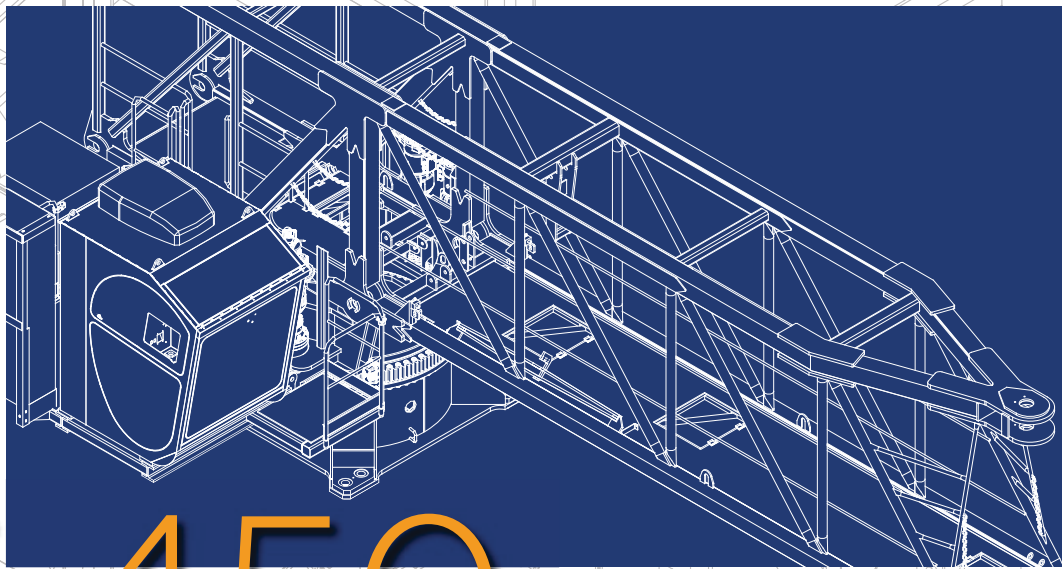


ENG
— CRANES —

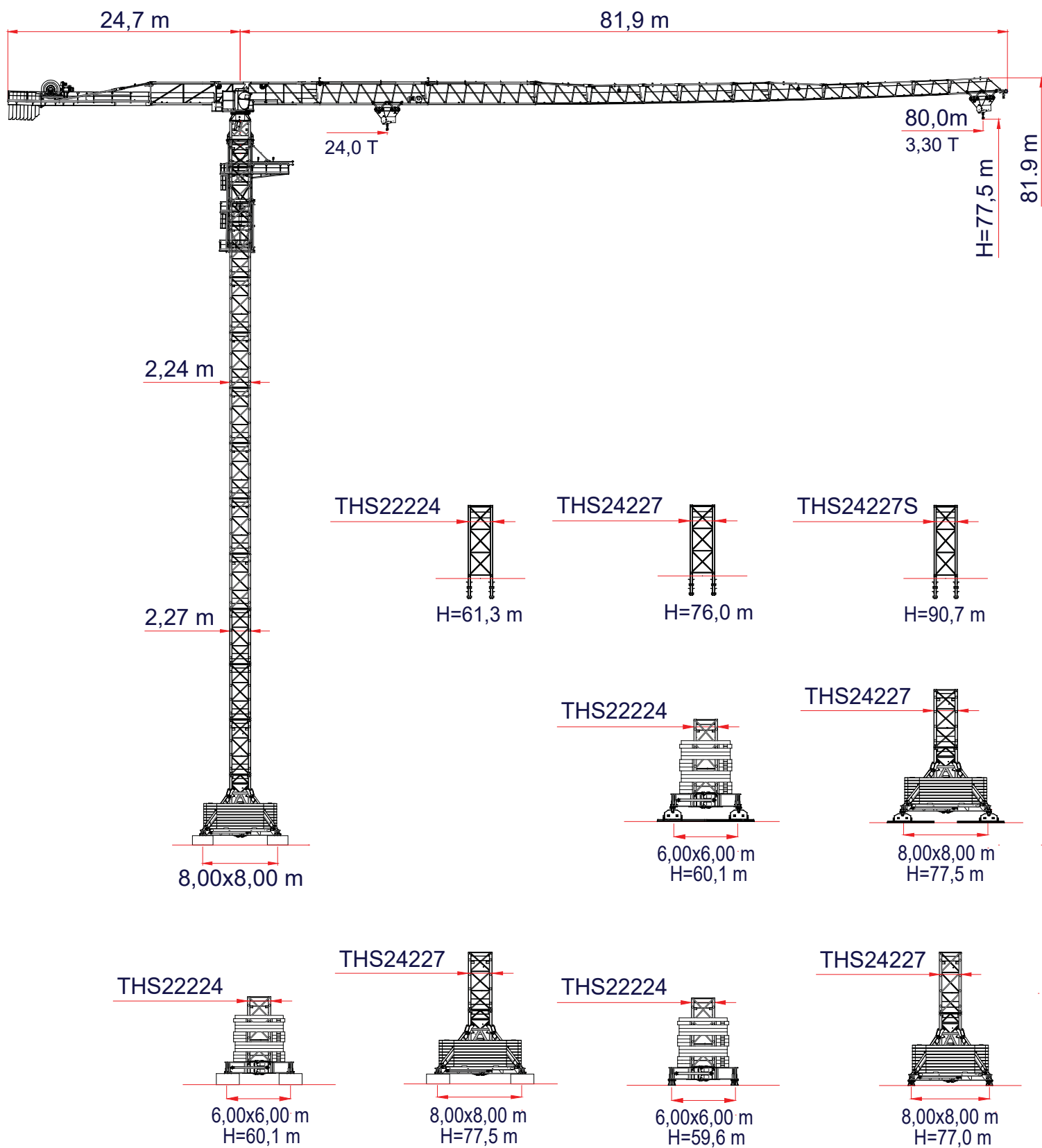
Design, engineering, manufacture



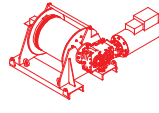
ETT 450
24t

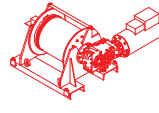
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2017

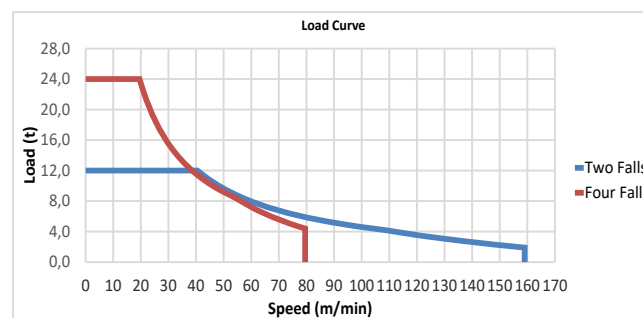
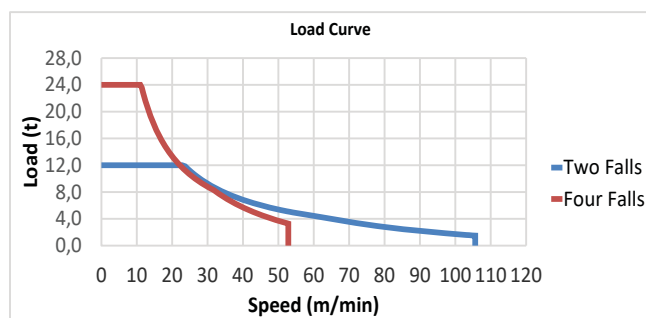
CE EN14439-C25



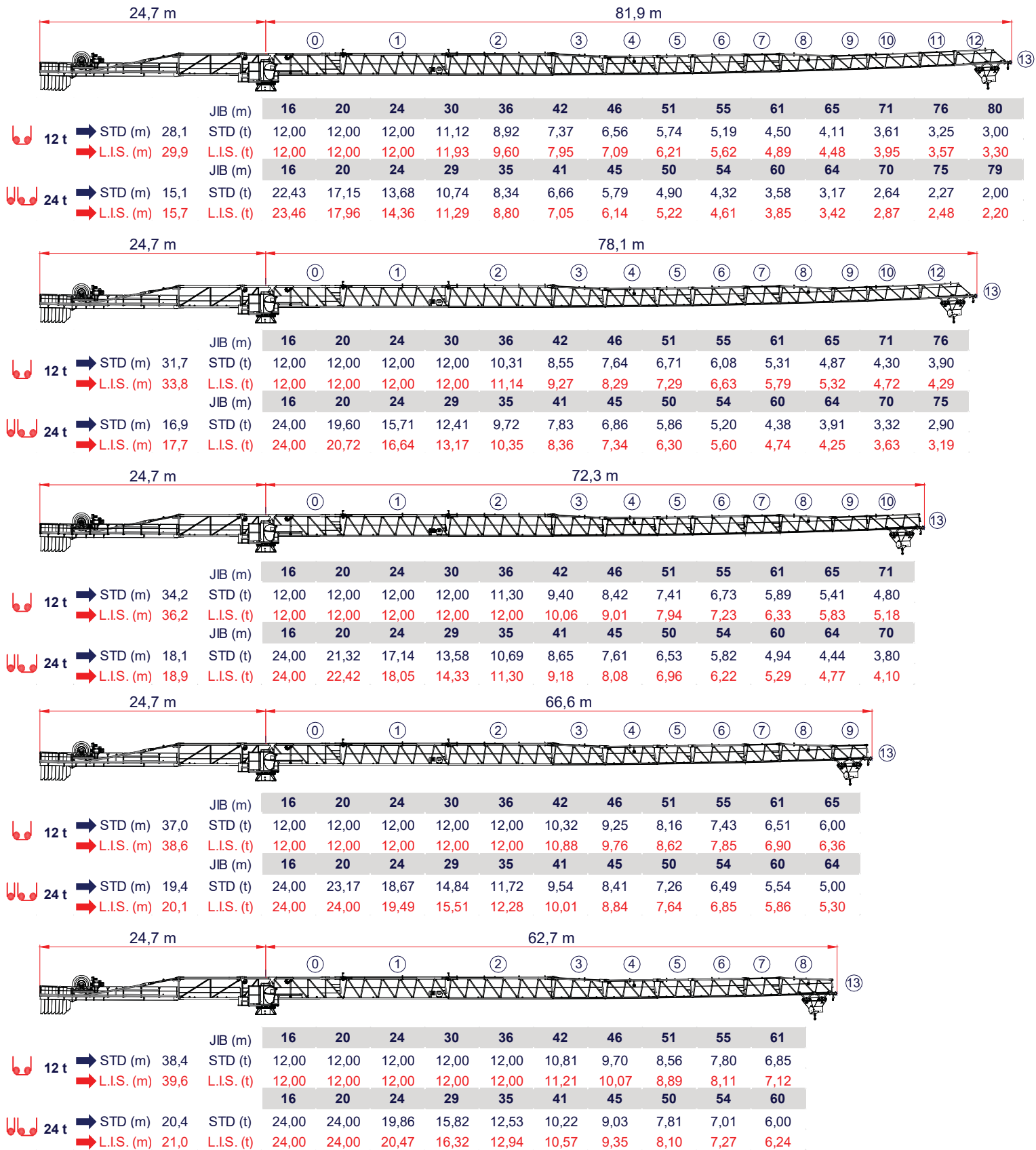
		Speed - Velocità - Vitesse - Geschwindigkeit	Power - Potenza - Puissance - Leistung
Slewing Rotazione Orientation Schwenken		0 → 0,75 r.p.m.	4 x 80 Nm
Trolley Carrello Chariot Katzfahnen		0 → 81,0 m/min	1 x 15 kW
Travelling Traslazione Translation Kranfahren		0 → 20,0 m/min	4 x 11 kW

Type Tipo Type Type	Power - Potenza Puissance - Leistung		Rope - Fune Cable - Seil
	hp - CV PS - ch	kW	m
 HW2465BR-75025BE	90	65	590
Layer - Strati Couches - Lagen	N. 6		
Step - Marcia Vitesse - Gang	kg	m/min	kg m/min
1	12000	7,0	24000 3,0
2	12000	17,0	24000 8,0
3	12000	21,0	24000 11,0
4	6450	42,0	12610 21,0
5	3390	72,0	6830 36,0
6	1490	106,0	3290 53,0
Maximum height - Massima altezza - Hauteur maximale - Maximale Höhe	 287 m		 140 m

Type Tipo Type Type	Power - Potenza Puissance - Leistung		Rope - Fune Cable - Seil
	hp - CV PS - ch	kW	m
 HW24110BR-75025BE	150	110	810
Layer - Strati Couches - Lagen	N. 6		
Step - Marcia Vitesse - Gang	kg	m/min	kg m/min
1	12000	12,0	24000 6,0
2	12000	29,0	24000 14,5
3	12000	36,0	24000 18,0
4	6020	78,0	11890 39,0
5	3400	123,0	6950 61,5
6	1900	160,0	4400 80,0
Maximum height - Massima altezza - Hauteur maximale - Maximale Höhe	 395 m		 193 m



TOTAL INSTALLED POWER FORZA MOTRICE TOTALE PUISSANCE TOTALE DES MOTEURS GESAMT-MOTORENLEISTUNG	65 kW (90 hp) 144 kVA - 400/480 V - 50/60 Hz ± 5% ± 2%	110 kW (150 hp) 200 kVA - 400/480 V - 50/60 Hz ± 5% ± 2%
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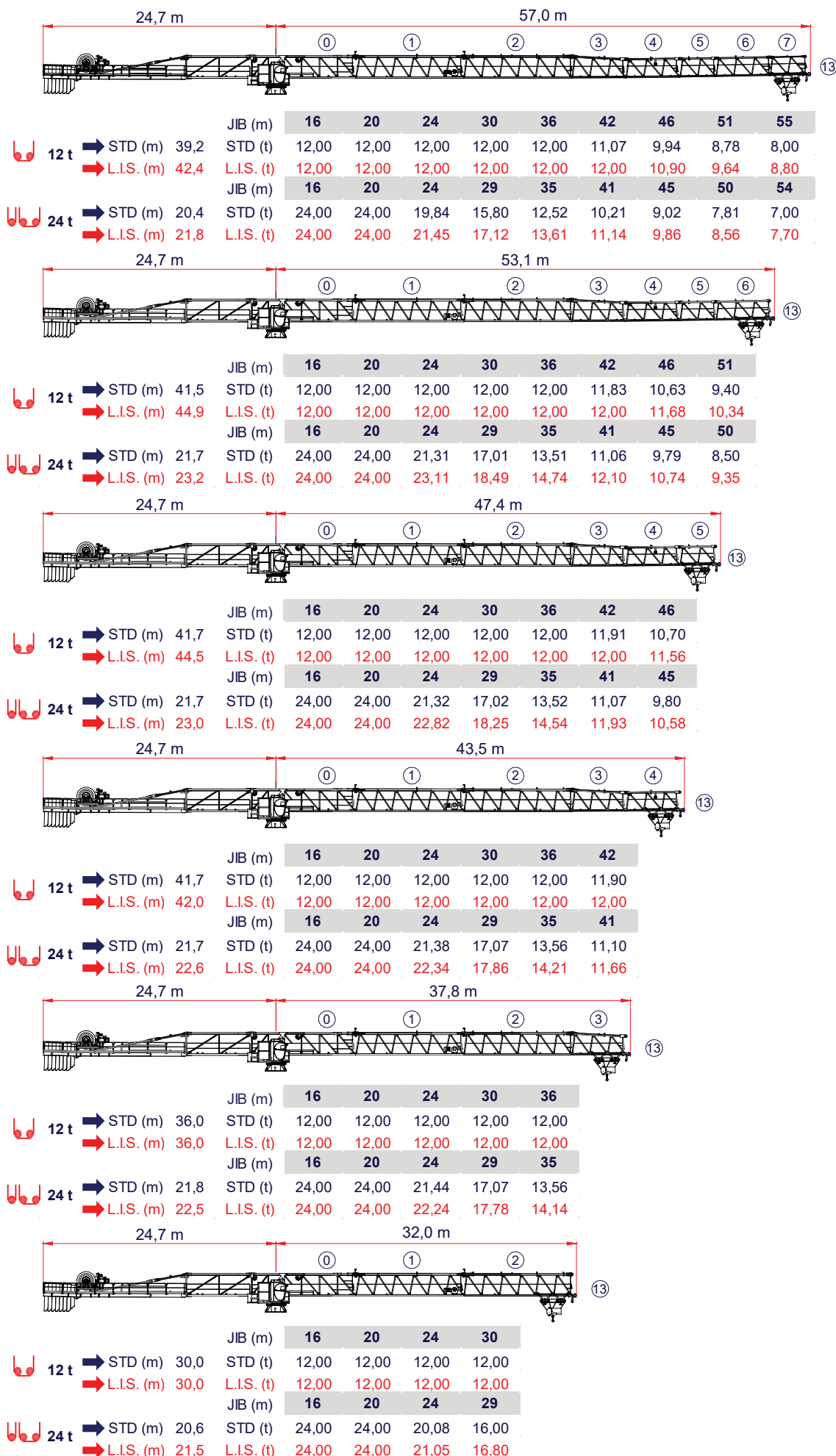
L.I.S. = Load Increase System

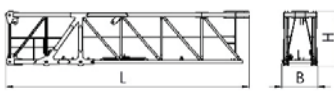
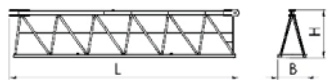
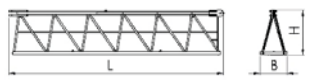
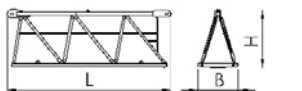
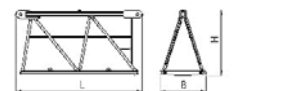
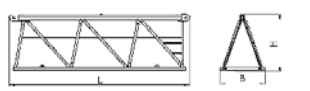
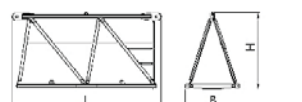
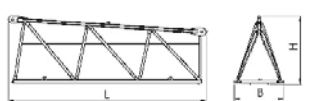
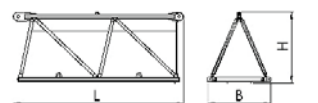
All intermediate loads can be increased till a maximum of 10% if the crane is equipped with L.I.S.

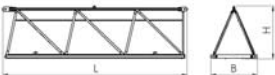
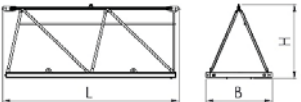
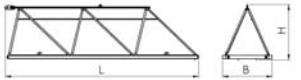
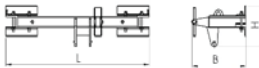
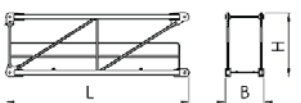
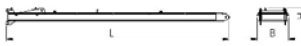
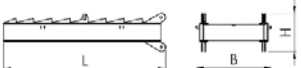
Con il sistema L.I.S. tutte le portate intermedie possono essere aumentate fino ad un massimo del 10%

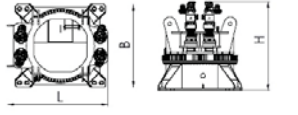
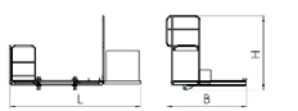
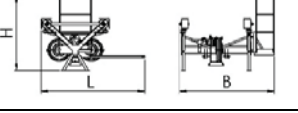
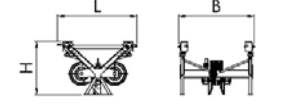
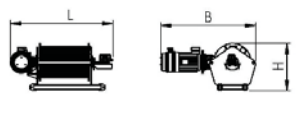
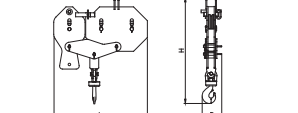
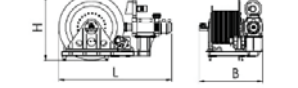
Toutes les charges intermédiaires peuvent être augmentées jusqu'à un maximum de 10% si la grue est équipée avec L.I.S.

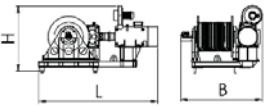
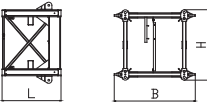
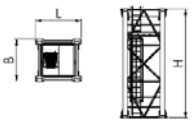
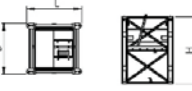
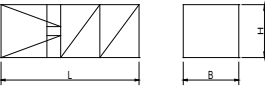
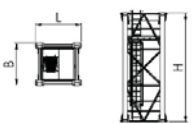
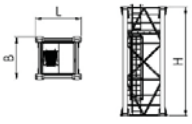
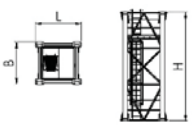
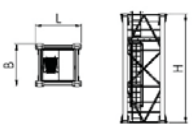
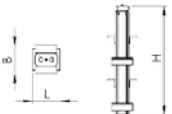
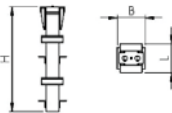
Alle zwischenlasten erhöht werden kann bis maximal 10%, wenn der kran mit L.I.S.

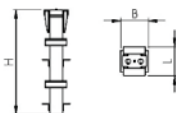
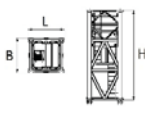
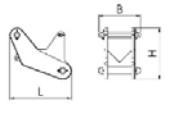
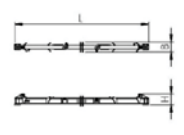
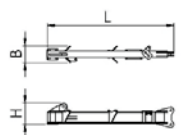
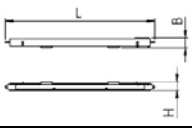
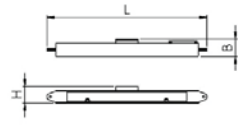
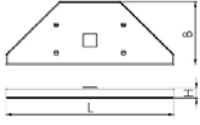


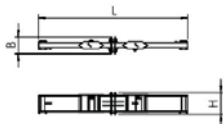
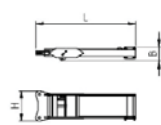
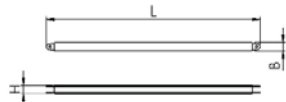
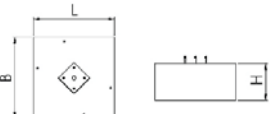
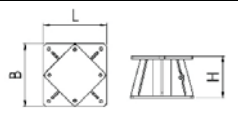
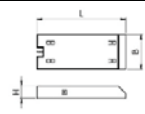
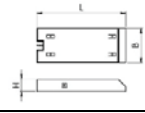
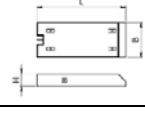
Q.ty Q.tà Q.tè Anz.	Description Descizione Description Beschreibung	Sketch Figura Esquisse Skizze	Length Lunghezza Longueur Länge [L]	Width Larghezza Largeur Breite [B]	Height Altezza Hauteur Höhe [H]	Single Weight Peso Unitario Poids individuels Einzelgewichte
Jib/Braccio/Flèche/Ausleger			[m]	[m]	[m]	[t]
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 0		11,54	1,70	2,58	9,04
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 1		11,89	1,50	2,43	5,50
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 2		11,91	1,50	2,50	4,12
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 3		6,11	1,50	2,48	1,68
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 4		6,08	1,50	2,12	1,58
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 5		4,14	1,50	2,10	0,88
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 6		6,03	1,50	2,10	1,10
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 7		4,09	1,50	2,08	0,67
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 8		6,03	1,50	2,04	0,83
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 9		4,05	1,50	1,67	0,50

Q.ty Q.tà Q.tè Anz.	Description Descizione Description Beschreibung	Sketch Figura Esquisse Skizze	Length Lunghezza Longueur Länge [L]	Width Larghezza Largeur Breite [B]	Height Altezza Hauteur Höhe [H]	Single Weight Peso Unitario Poids individuels Einzelgewichte
Braccio/Jib/Flèche/Ausleger			[m]	[m]	[m]	[t]
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 10		5,93	1,50	1,66	0,62
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 11		3,98	1,50	1,65	0,33
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 12		5,84	1,50	1,65	0,41
1	Tip Puntale Pointe de flèche Ausleger Kopfstück		1,81	0,68	0,76	0,18
Counter-jib/Controbraccio/ Contre-flèche/Gegenausleger			[m]	[m]	[m]	[t]
1	Counter-jib section / Elemento Controbraccio / Element de Contre-flèche / Gegenausleger-Zwischenstück / 0		7,33	1,53	2,55	3,82
1	Counter-jib section / Elemento Controbraccio / Element de Contre-flèche / Gegenausleger-Zwischenstück / 1		11,95	1,69	1,00	3,40
1	Counter-jib 1 with platforms Controbraccio 1 con ballatoio Contre-flèche 1 avec plate-formes Gegenausleger 1 mitpodeste		11,95	2,53	1,69	3,91
1	Counter-jib section / Elemento Controbraccio / Contre-flèche/ Gegenausleger-Zwischenstück / 2		3,60	1,52	0,83	1,12
1	Counter-jib 2 with platforms Controbraccio 2 con ballatoio Contre-flèche 2 avec plate-formes Gegenausleger 2 mitpodeste		3,64	2,43	1,69	1,40

Q.ty Q.tà Q.tè Anz.	Description Descrizione Description Beschreibung	Sketch Figura Esquisse Skizze	Length Lunghezza Longueur Länge [L]	Width Larghezza Largeur Breite [B]	Height Altezza Hauteur Höhe [H]	Single Weight Peso Unitario Poids individuels Einzelgewichte
Counter-jib/Controbraccio/ Contre-flèche/Gegenausleger			[m]	[m]	[m]	[t]
2	Tie-rods Tiranti Barre de liaison Zugstange		6,65	0,14	0,35	0,37
			3,66	0,14	0,35	0,23
			0,66	0,11	0,26	0,06
Rotazione/Slewing/Orientation/Schwenken			[m]	[m]	[m]	[t]
1	Slewing-group Gruppo Girevole Groupe d'orientation Drehgruppe		2,69	2,25	2,36	7,74
1	Cabin Cabina Cabine Kabine		1,92	1,44	2,30	0,21
1	Cabin Platform Ballatoio Cabina Ensemble mat Cabine Drehbühne		4,45	2,26	2,10	0,64
Double Trolley and Hookblock/Doppio Carrello e Bozzello/ Chariot double et Moufle/Doppel Laufkatze und Hubflasche			[m]	[m]	[m]	[t]
1	Main Trolley Carrello Principale Chariot Principal Hauptlaufkatze		2,57	2,35	1,86	0,62
1	Auxiliary Trolley Carrello Secondario Chariot Auxiliaire Hilfslaufkatze		1,91	1,83	1,29	0,50
1	Trolley Winch Comando Carrello Chariot Treuil Laufkatzewinde		1,63	1,51	0,75	0,64
1	Hookblock Bozzello Moufle Hubflasche		1,90	0,79	2,18	1,07
Hoisting /Sollevamento/Levage/Heben			[m]	[m]	[m]	[t]
1	Hoisting Winch / Argano Sollevamento / Treuil de Levage / Hubwerk 110 kW		3,46	1,95	2,02	6,68

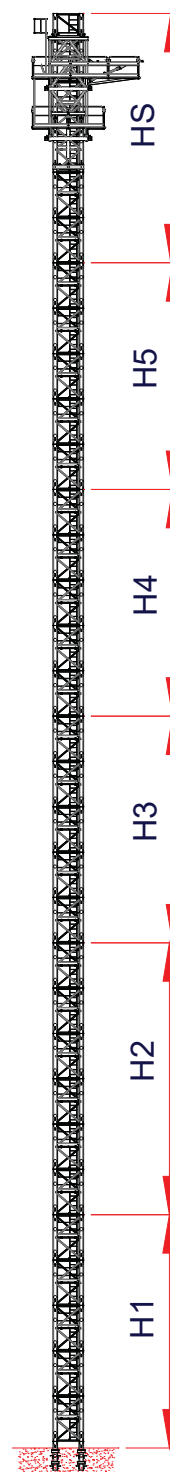
Q.ty Q.tà Q.tè Anz.	Description Descrizione Description Beschreibung	Sketch Figura Esquisse Skizze	Length Lunghezza Longueur Länge [L]	Width Larghezza Largeur Breite [B]	Height Altezza Hauteur Höhe [H]	Single Weight Peso Unitario Poids individuels Einzelgewichte
Hoisting /Sollevamento/Levage/Heben			[m]	[m]	[m]	[t]
1	Hoisting Winch / Argano Sollevamento / Treuil de Levage / Hubwerk 65 kW		2,90	1,99	1,61	4,23
Tower /Torre/Mât/Turm			[m]	[m]	[m]	[t]
1	Jacking Element Telaio di Spinta Elément de levage Hubelement		2,00	2,75	2,39	2,49
1	Tower section / Elemento Torre / Elément de Mât / Turmstück TS22.0590		2,39	2,24	5,90	5,29
1	Tower section / Elemento Torre / Elément de Mât / Turmstück TS22.0295		2,39	2,24	2,95	3,16
1	Climbing Cage Gabbia di Montaggio Cage de montage Hydraulikbühne (Trasportation)		12,54 (11,90)	3,00 (1,80)	2,57 (2,57)	17,50
1	Tower section / Elemento Torre / Elément de Mât / Turmstück TS24.0590		2,42	2,27	5,90	6,39
1	Tower section / Elemento Torre / Elément de Mât / Turmstück TS24S.0590		2,46	2,27	5,90	7,06
1	Tower section / Elemento Torre / Elément de Mât / Turmstück TS22TS24.0590		2,42	2,27	5,90	6,36
1	Tower section / Elemento Torre / Elément de Mât / Turmstück TS24TS24S.0590		2,46	2,27	5,90	6,93
4	Foundation anchors / Gambe di fondazione / jambes de Scellement / Gründungspfahl TS22.0200		0,51	0,52	2,00	0,38
4	Foundation anchors / Gambe di fondazione / jambes de Scellement / Gründungspfahl TS24.0200		0,53	0,55	2,00	0,48

Q.ty Q.tà Q.tè Anz.	Description Descrizione Description Beschreibung	Sketch Figura Esquisse Skizze	Length Lunghezza Longueur Länge [L]	Width Larghezza Largeur Breite [B]	Height Altezza Hauteur Höhe [H]	Single Weight Peso Unitario Poids individuels Einzelgewichte
Tower /Torre/Mât/Turm			[m]	[m]	[m]	[t]
4	Foundation anchors Gambe di fondazione jambes de Scellement Gründungspfohl TS24S.0200		0,53	0,55	2,00	0,61
Strut Base / Base con puntoni / Base avec struts/ Bases mit stut 8x8 TS24			[m]	[m]	[m]	[t]
1	Basic Tower section Palo di Base Mât-chassis Gründturmstück TSV24.0590		2,42	2,27	5,90	9,22
4	Struts Puntoni Haubans Mastabstützungen		5,09	0,40	0,53	1,20
4	Tower-strut Connection Piastra Giunzione Puntone Mât-hauban Connexion Verbindungsplatte		1,03	0,69	0,87	0,51
4	Twist compensator Beam Barra Antitorsione Mât-hauban Connexion Torsionsträger		4,66	0,18	0,18	0,24
1	Long Cross Base Beam Trave lunga Crociera di Base Long Poutre Chassis de Base Langen Querbasissträger		11,81	0,88	0,96	3,94
2	Short Cross Base Beam Trave corta Crociera di Base Court Poutre Chassis de Base Kurze Querbasissträger		5,73	0,77	0,96	1,90
4	Base Ballast Beam Supporto Zavorra di Base Poutres de Lest de Base Gründballast Träger		6,66	0,44	0,39	0,83
			3,66	0,39	0,39	0,45
36	Base Ballast Zavorra di Base Lest de Base Gründballast		5,00	1,90	0,30	5,00

Q.ty Q.tà Q.tè Anz.	Description Descizione Description Beschreibung	Sketch Figura Esquisse Skizze	Length Lunghezza Longueur Länge [L]	Width Larghezza Largeur Breite [B]	Height Altezza Hauteur Höhe [H]	Single Weight Peso Unitario Poids individuels Einzelgewichte
Cross base / Base a croce / Base en croix / Querbasissträger 6x6 TS22			[m]	[m]	[m]	[t]
1	Long Cross Base Beam Trave lunga Crociera di Base Long Poutre Chassis de Base Langen Querbasissträger		8,99	1,01	1,31	6,28
2	Short Cross Base beam Trave corta Crociera di Base Court Poutre Chassis de Base Kurze Querbasissträger		4,32	0,60	1,31	2,91
4	Twist compensator Beam Barra Antitorsione Mât-hauban Connexion Torsionsträger		3,88	0,18	0,18	0,22
38	Ballast Base Zavorra di Base Lest de Base Gründballast		4,60	1,20	0,30	3,81
Base Support/Appoggio delle Base/ Soutien à la Base/Trägerbasis			[m]	[m]	[m]	[t]
4	Base Support ballast Blocchi di Appoggio Lest de appuyer Gründballast Unterstützung		2,20	2,20	1,00	11,60
4	Base Foot Piede di Base Pied de Base Grund Fuss		0,70	0,70	0,47	0,32
Counter-jib Ballast/Zavorra di Controfreccia / Lest de Contre-flèche/Gegenausleger Ballast			[m]	[m]	[m]	[t]
7	Type A / Tipo A / Marque A / Marke A 110 kW		2,93	1,15	0,40	3,10
1	Type B / Tipo B / Marque B / Marke B 110 kW		2,46	1,15	0,40	2,60
2	Type C / Tipo C / Marque C / Marke C 65 kW		3,50	1,15	0,40	3,60

EXTERNAL CLIMBING
A SOPRALZO IDRAULICO
TELESCOPABLE
KLETTERKRANE

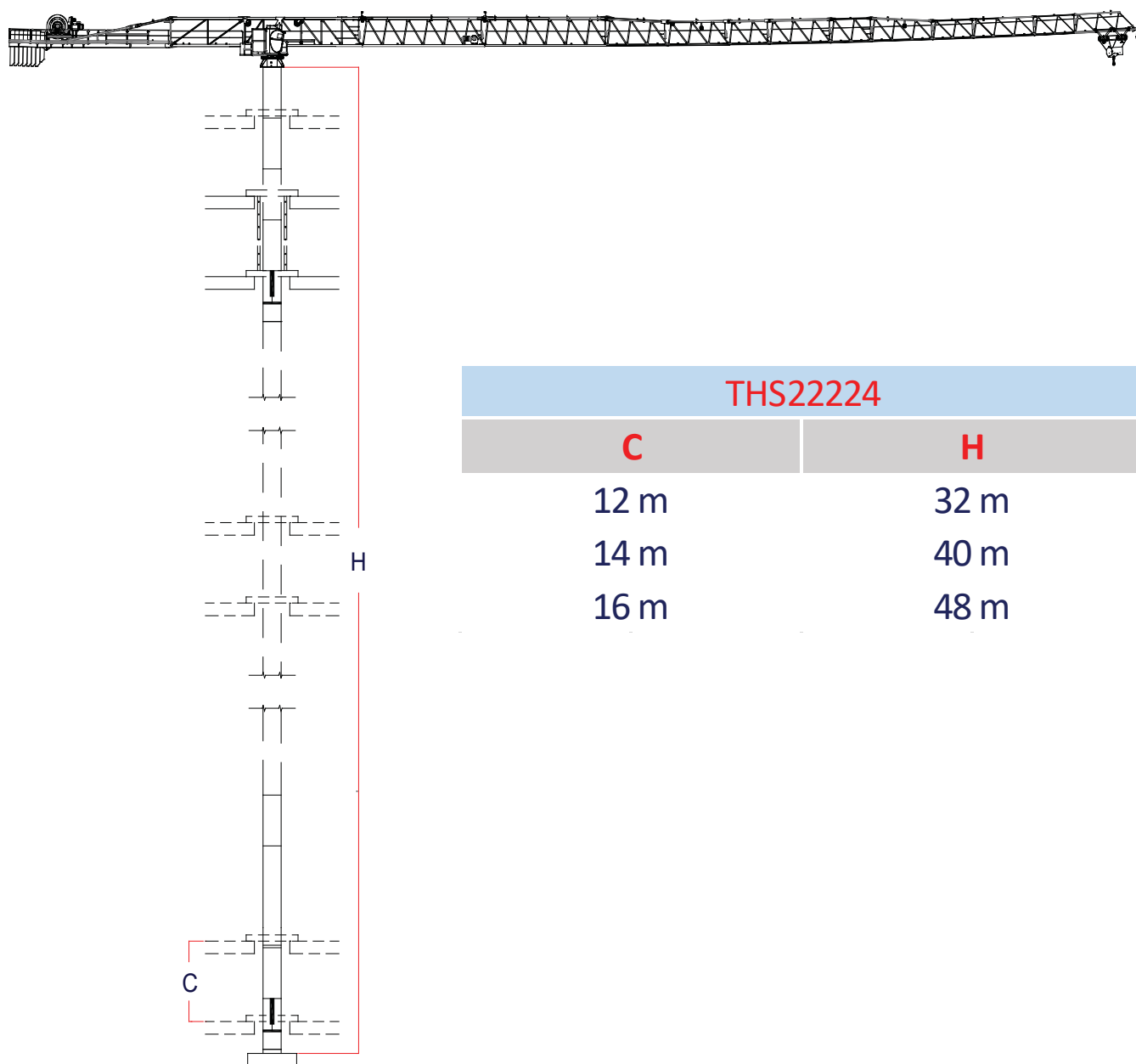
THS22224	
(m)	
H1	45,5
H2	35,4
H3	35,4
H4	35,4
H5	35,4
HS	51,2
H.U.H	240,2



*Other Configuration Available
Altre Configurazioni Disponibili
Autres configurations Disponibles
Andere Konfigurationen Verfügbar*

OTHER INSTALLATION
ALTRE INSTALLAZIONI
AUTRES INSTALLATIONS
SONSTIGE ANLAGEN

INTERNAL CLIMBING
RAMPANTE
TELESCOPABLE SUR DALLES
KLETTERKRANE IN GEBAUDE



THS22224	
C	H
12 m	32 m
14 m	40 m
16 m	48 m

*Other Configuration Available
Altre Configurazioni Disponibili
Autres configurations Disponibles
Andere Konfigurationen Verfügbar*

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