

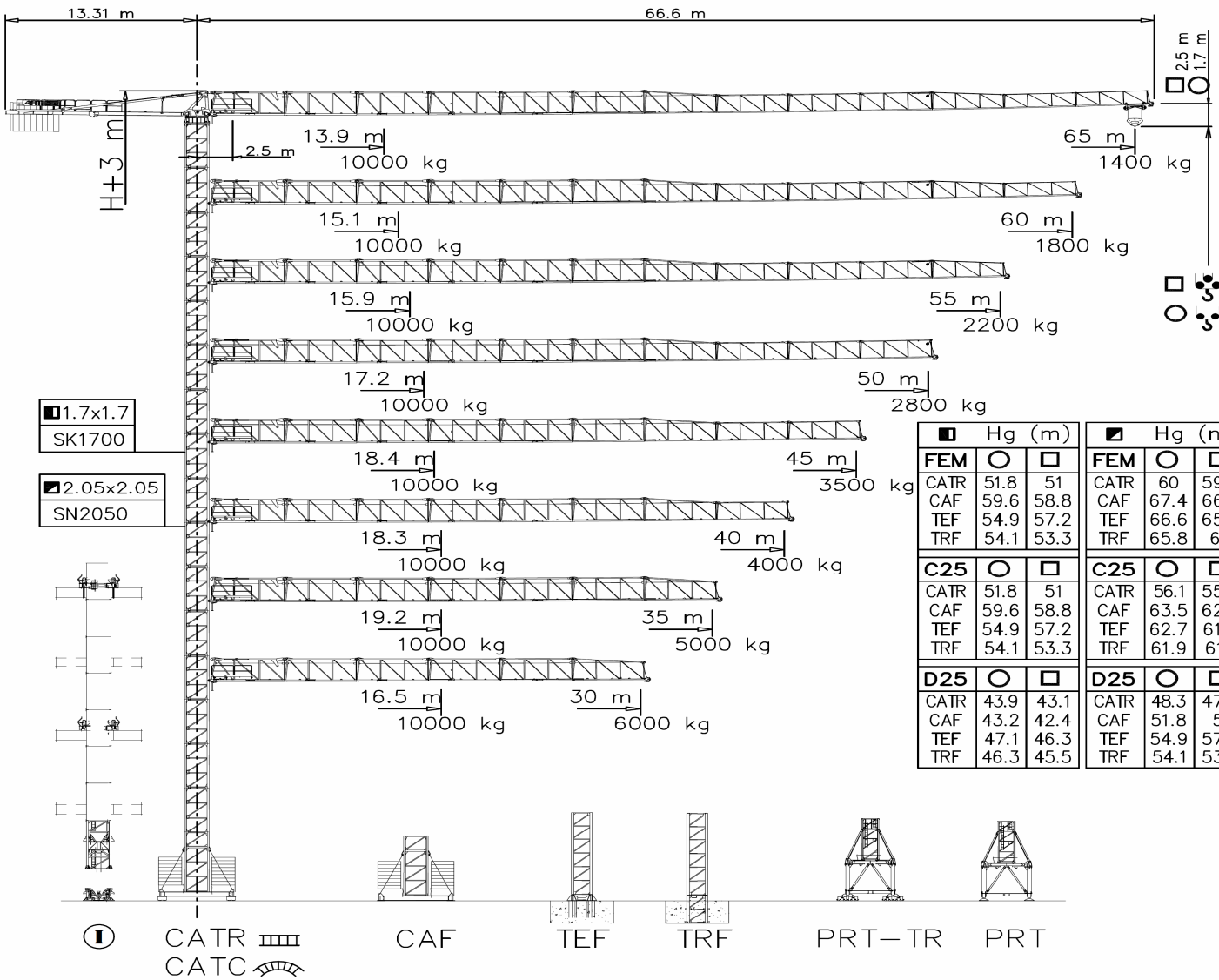
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FM Gru

**1465 TLX
 P10**



Power Control ASsys ACsys ULTRALIFT

CE FEM 1.001 - A4
 EN 14439 - C25 - D25

Code: 15ICA37150A1 P.1
 Rev. 4 Data 03.07.17



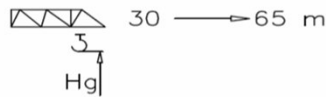
65m Kran, FM Gru 1465 TLX

AFM Gru

1465 TLX

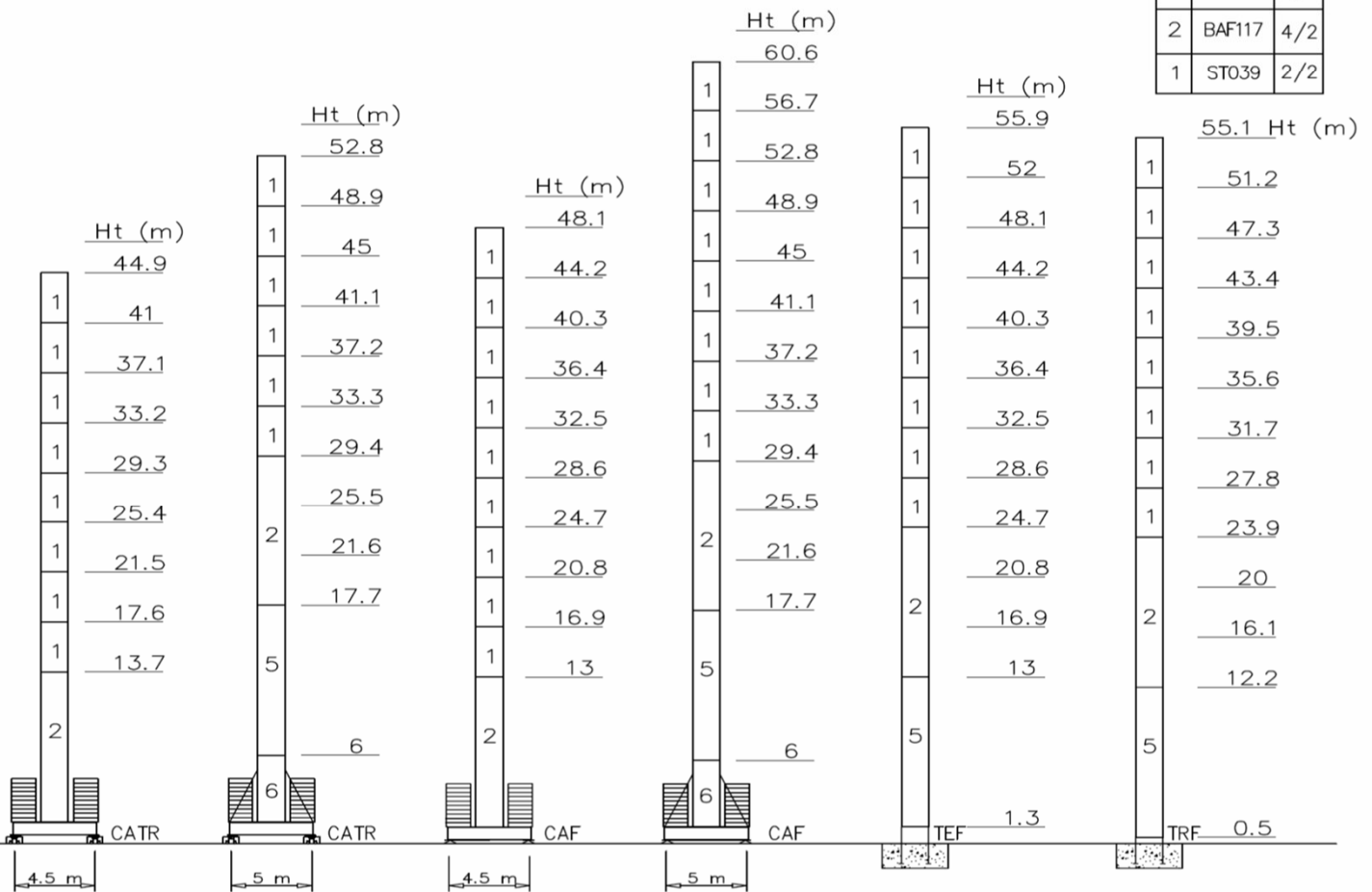
Torre/Reazioni – Masts/Reactions – Mat/Réactions – Maste/Eckdrücke – Mástil/Reacciones – Tramo/Reacções

SK1700 FEM

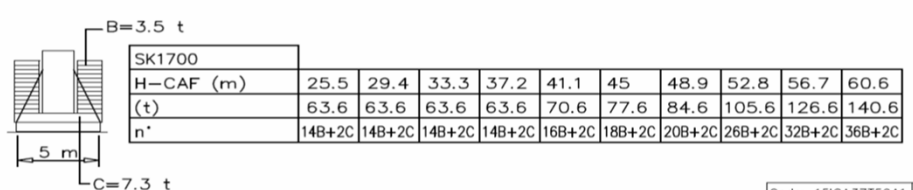
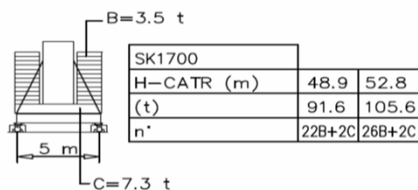
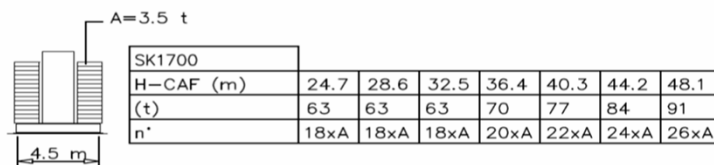
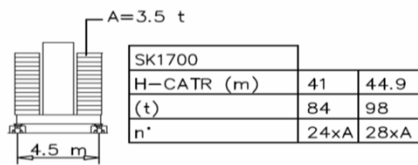


- Hg=Ht-1 m
- Hg=Ht-1.8 m

6	BCF052	2/4
5	BPF117	4/4
4	BPF039	4/4
3	ST117	2/2
2	BAF117	4/2
1	ST039	2/2



Peso zavorra – Ballast weight – Poids du lest – Ballastgewicht – Peso de lastre



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 Rev. 4 | Data: 03.07.17

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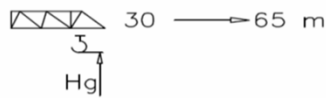
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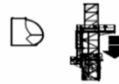
1465 TLX

Torre/Reazioni – Masts/Reactions – Mat/Réactions – Mast/Eckdrücke – Mástil/Reacciones – Tramo/Reacções

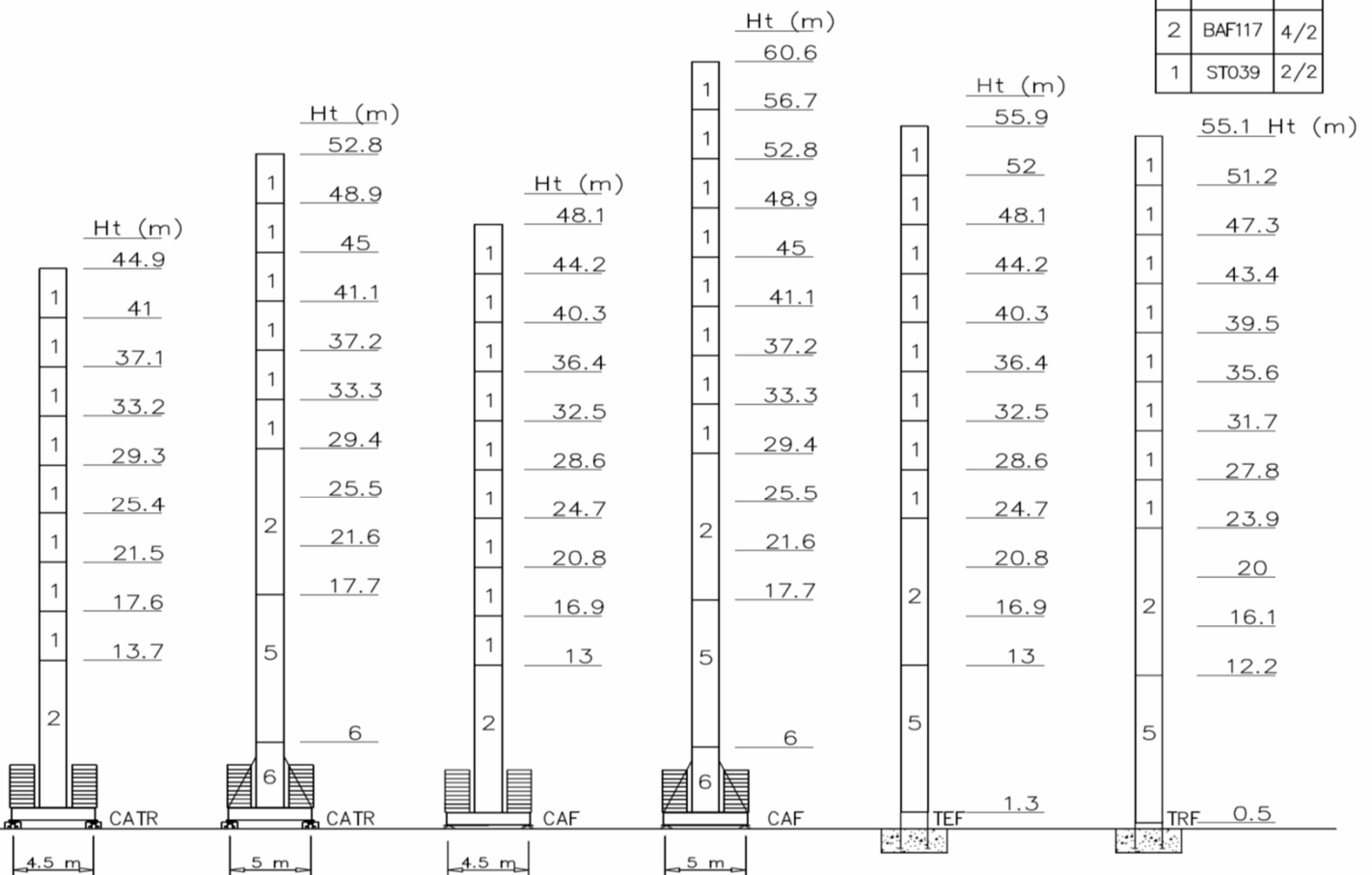
SK1700 EN14439-C25



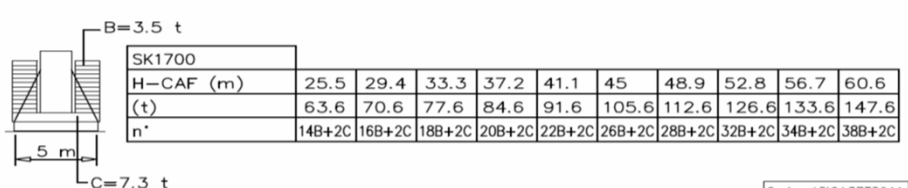
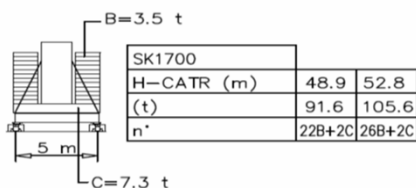
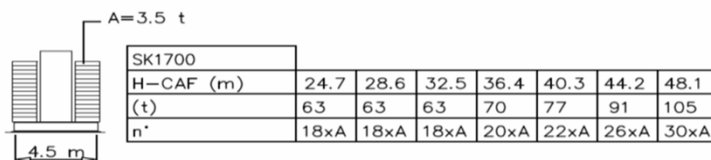
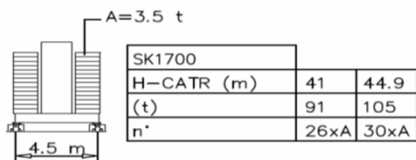
○ Hg=Ht-1 m
 □ Hg=Ht-1.8 m



6	BCF052	2/4
5	BPF117	4/4
4	BPF039	4/4
3	ST117	2/2
2	BAF117	4/2
1	ST039	2/2



Peso zavorra – Ballast weight – Poids du lest – Ballastgewicht – Peso de lastre



C=7.3 t

Code: 15ICA37T50A1 P.3
 Rev. 4 Data 03.07.17

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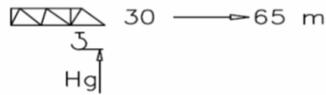
65m Kran, FM Gru 1465 TLX

AFM Gru

1465 TLX

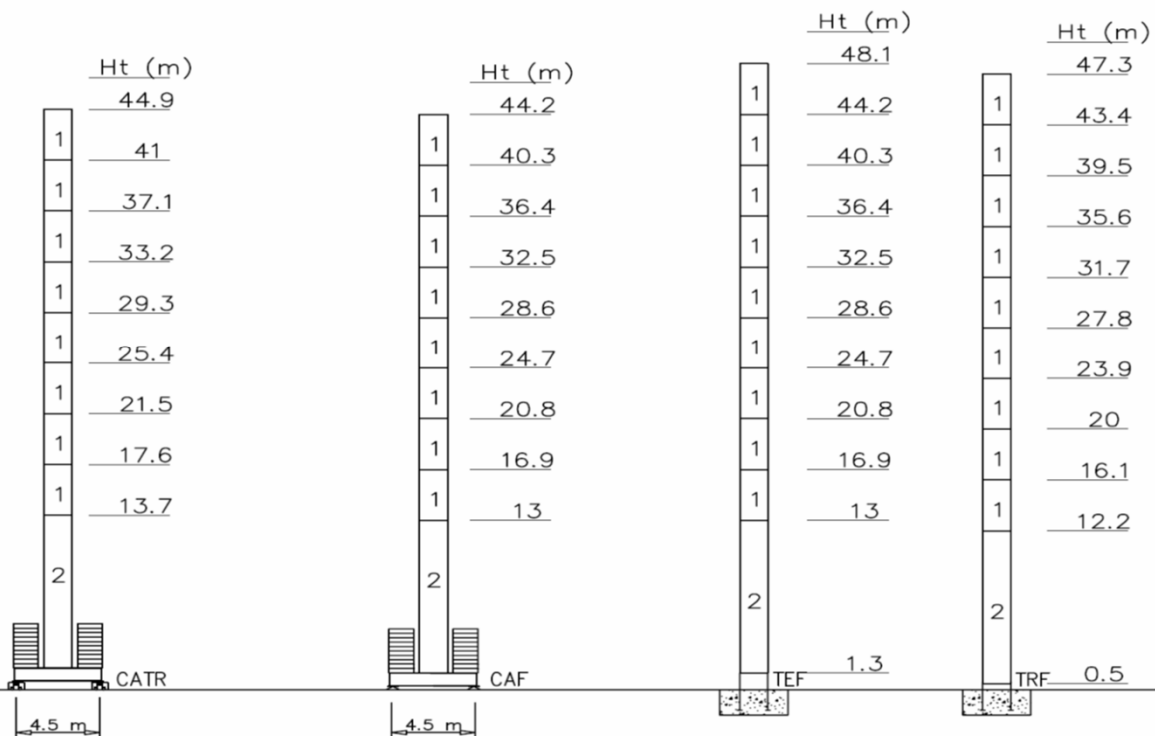
Torre/Reazioni – Masts/Reactions – Mat/Réactions – Maste/Eckdrücke – Mástil/Reacciones – Tramo/Reacções

SK1700 EN14439-D25

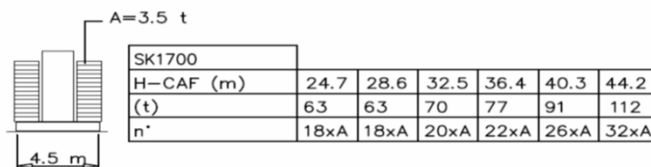
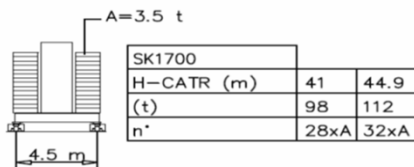


○ Hg=Ht-1 m
 □ Hg=Ht-1.8 m

6	BCF052	2/4
5	BPF117	4/4
4	BPF039	4/4
3	ST117	2/2
2	BAF117	4/2
1	ST039	2/2



Peso zavorra – Ballast weight – Poids du lest – Ballastgewicht – Peso de lastre



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 Rev. 4 | Data | 03.07.17

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65m Kran, FM Gru 1465 TLX

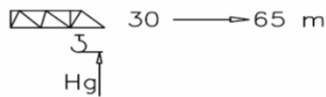
AFM Gru

1465 TLX

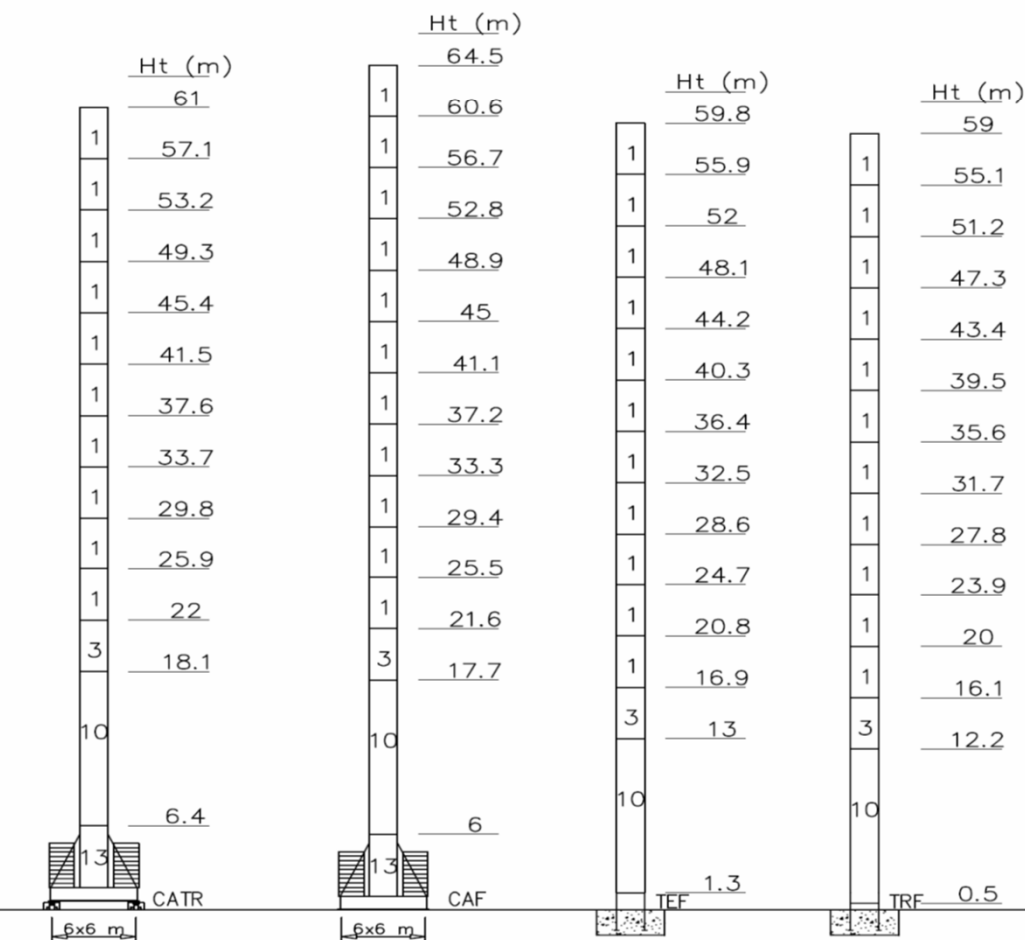
Torre/Reazioni – Masts/Reactions – Mat/Réactions – Maste/Eckdrücke – Mástil/Reacciones – Tramo/Reacções

SN2050 FEM

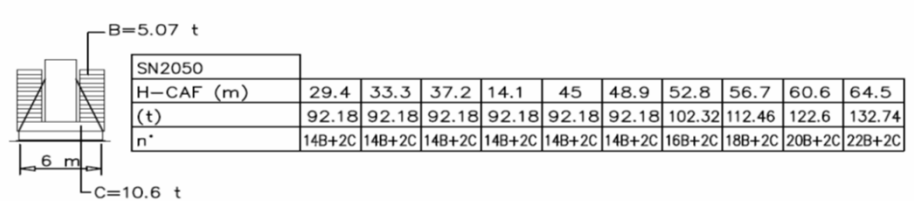
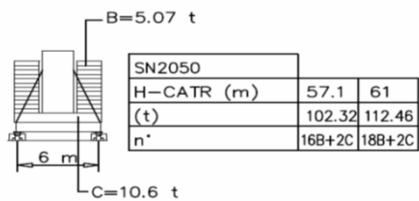
○ Hg=Ht-1 m
□ Hg=Ht-1.8 m



14	BCF52	2/4 M45
13	BAF052	2/4 M42
12	BPF117	4/4 M45-45
11	BNF117	4/4 M45-42
10	BOF117	4/4
9	BOF039	4/4
8	BO039	4/4
7	STR039	2/2
6	SBR117	4/2
5	SBR039	4/2
4	SB117	4/2
3	SB039	4/2
2	ST117	2/2
1	ST039	2/2



Peso zavorra – Ballast weight – Poids du lest – Ballastgewicht – Peso de lastre



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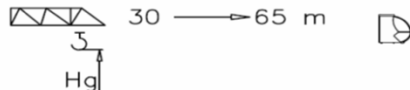
AFM Gru

1465 TLX

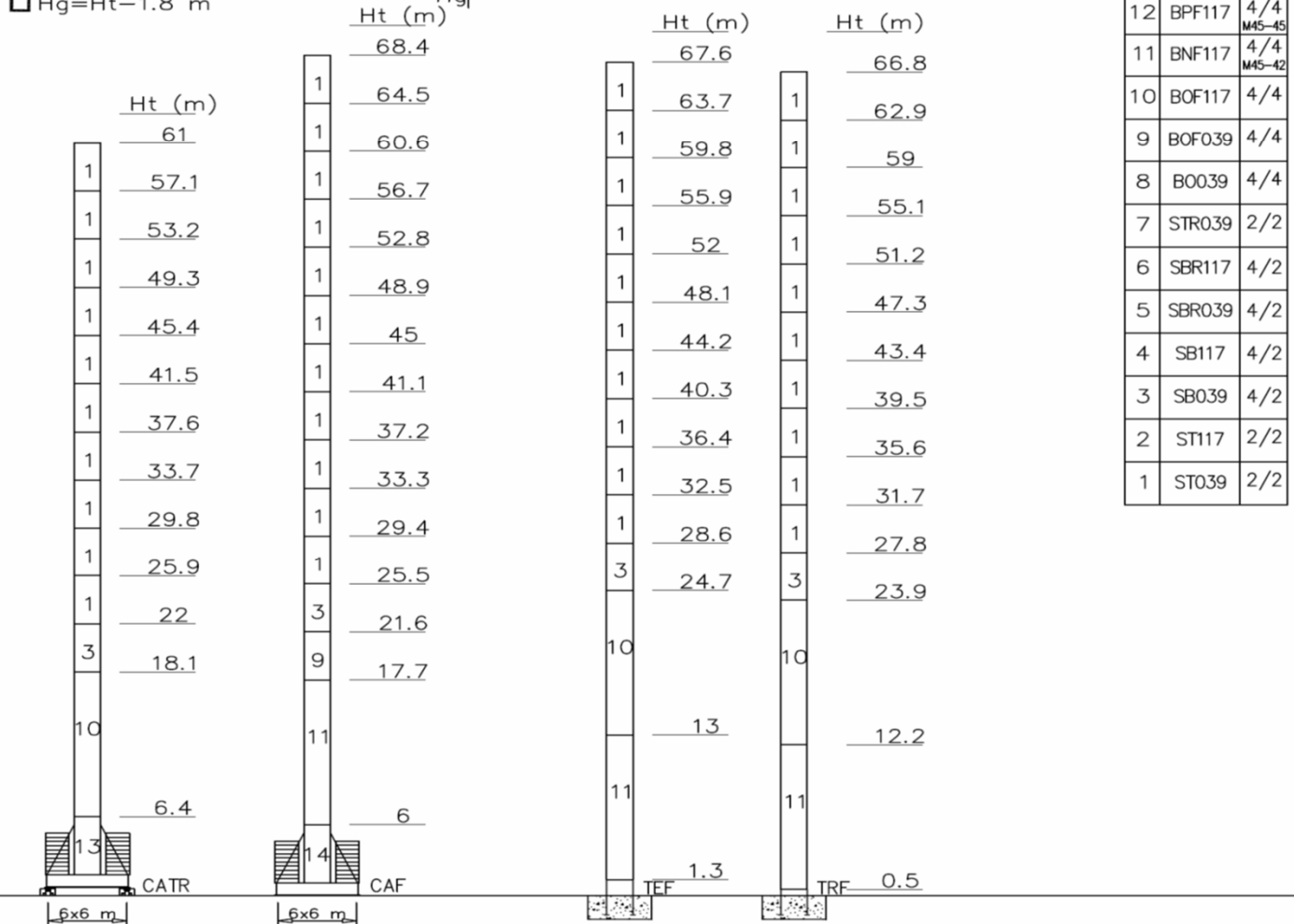
Torre/Reazioni – Masts/Reactions – Mat/Réactions – Maste/Eckdrücke – Mästil/Reacciones – Tramo/Reacções

SN2050 FEM

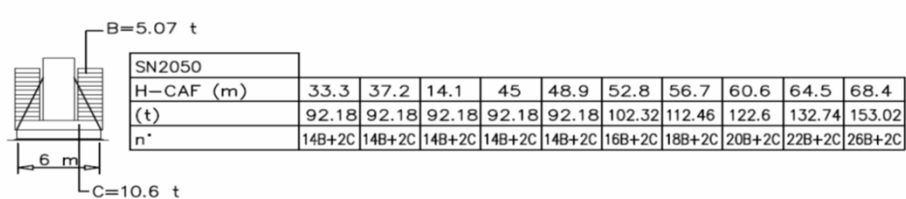
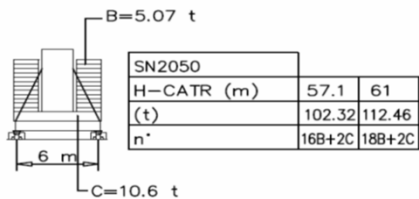
○ Hg=Ht-1 m
 □ Hg=Ht-1.8 m



14	BCF52	2/4 M45
13	BAF052	2/4 M42
12	BPF117	4/4 M45-45
11	BNF117	4/4 M45-42
10	BOF117	4/4
9	BOF039	4/4
8	B0039	4/4
7	STR039	2/2
6	SBR117	4/2
5	SBR039	4/2
4	SB117	4/2
3	SB039	4/2
2	ST117	2/2
1	ST039	2/2



Peso zavorra – Ballast weight – Poids du lest – Ballastgewicht – Peso de lastre



Code: 15ICA37T50A1 P.6
 Rev. 4 Data 03.07.17

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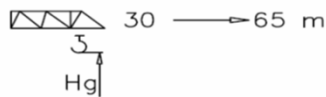
65m Kran, FM Gru 1465 TLX

AFM Gru

1465 TLX

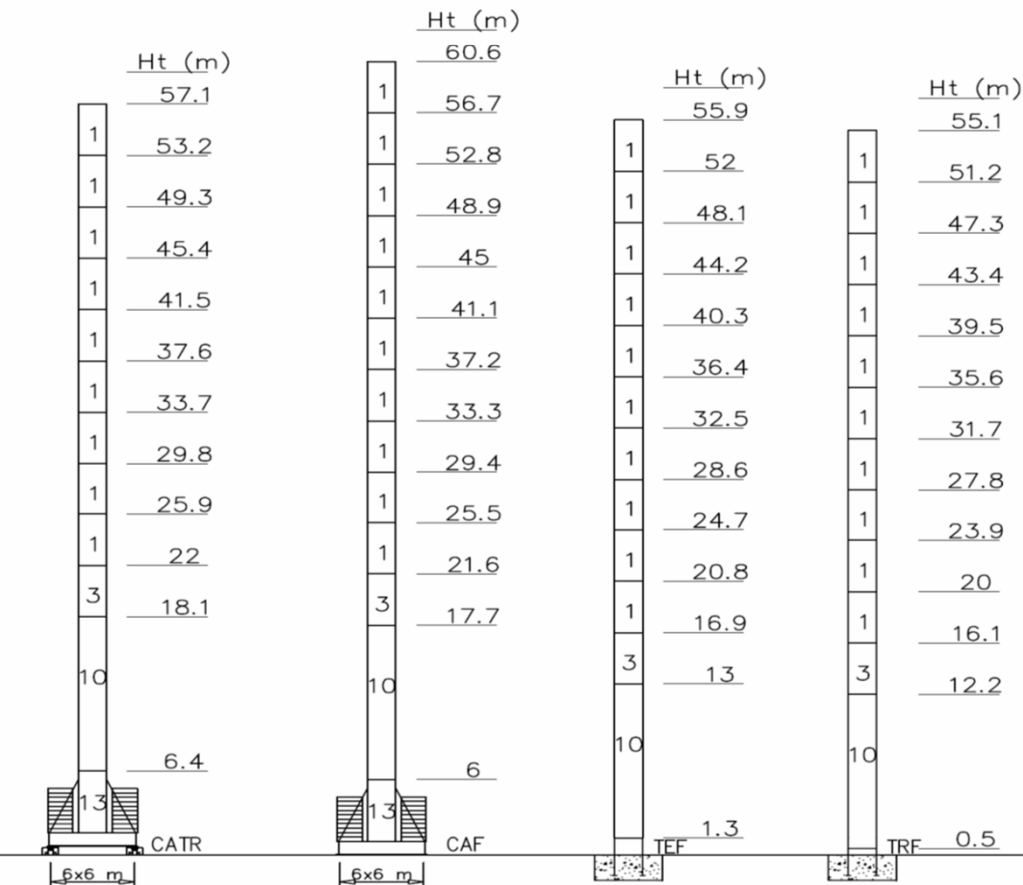
Torre/Reazioni – Masts/Reactions – Mat/Réactions – Maste/Eckdrücke – Măstil/Reacciones – Tramo/Reações

SN2050 EN14439-C25

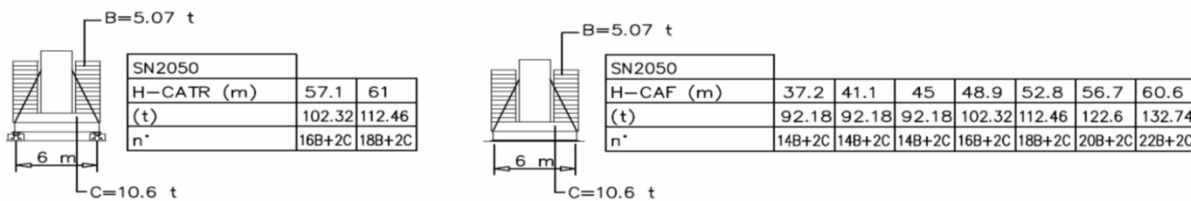


○ Hg=Ht-1 m
□ Hg=Ht-1.8 m

14	BCF52	2/4 M45
13	BAF052	2/4 M42
12	BPF117	4/4 M45-45
11	BNF117	4/4 M45-42
10	BOF117	4/4
9	BOF039	4/4
8	BO039	4/4
7	STR039	2/2
6	SBR117	4/2
5	SBR039	4/2
4	SB117	4/2
3	SB039	4/2
2	ST117	2/2
1	ST039	2/2



Peso zavorra – Ballast weight – Poids du lest – Ballastgewicht – Peso de lastre



Code: 15ICA37T50A1 P.7
Rev. 4 | Data | 03.07.17

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65m Kran, FM Gru 1465 TLX

AFM Gru

1465 TLX

Torre/Reazioni – Masts/Reactions – Mat/Réactions – Maste/Eckdrücke – Mästil/Reacciones – Tramo/Reacções

SN2050 EN14439-C25

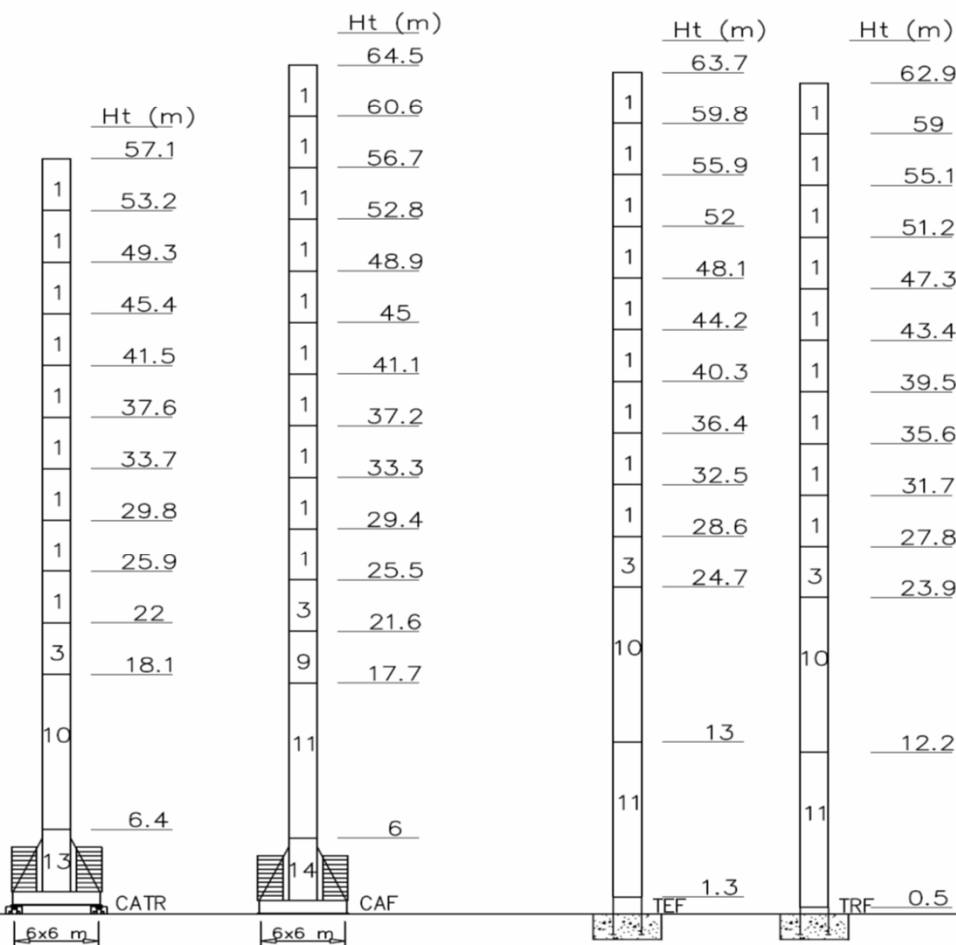
30 → 65 m



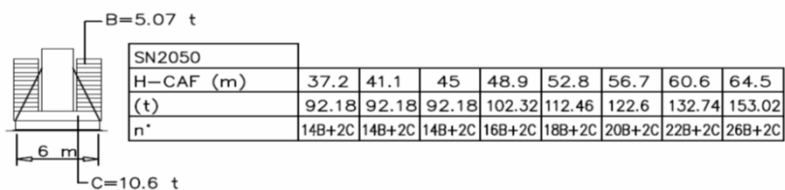
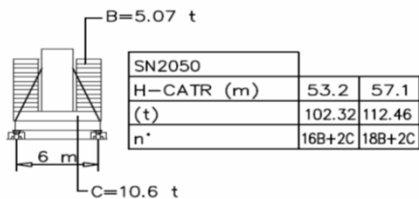
○ Hg=Ht-1 m
□ Hg=Ht-1.8 m

Hg

14	BCF52	2/4 M45
13	BAF052	2/4 M42
12	BPF117	4/4 M45-45
11	BNF117	4/4 M45-42
10	BOF117	4/4
9	BOF039	4/4
8	B0039	4/4
7	STR039	2/2
6	SBR117	4/2
5	SBR039	4/2
4	SB117	4/2
3	SB039	4/2
2	ST117	2/2
1	ST039	2/2



Peso zavorra – Ballast weight – Poids du lest – Ballastgewicht – Peso de lastre



Code: 15ICA37T50A1 P.8
Rev. 4 Data 03.07.17

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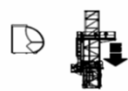
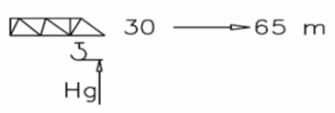
65m Kran, FM Gru 1465 TLX



1465 TLX

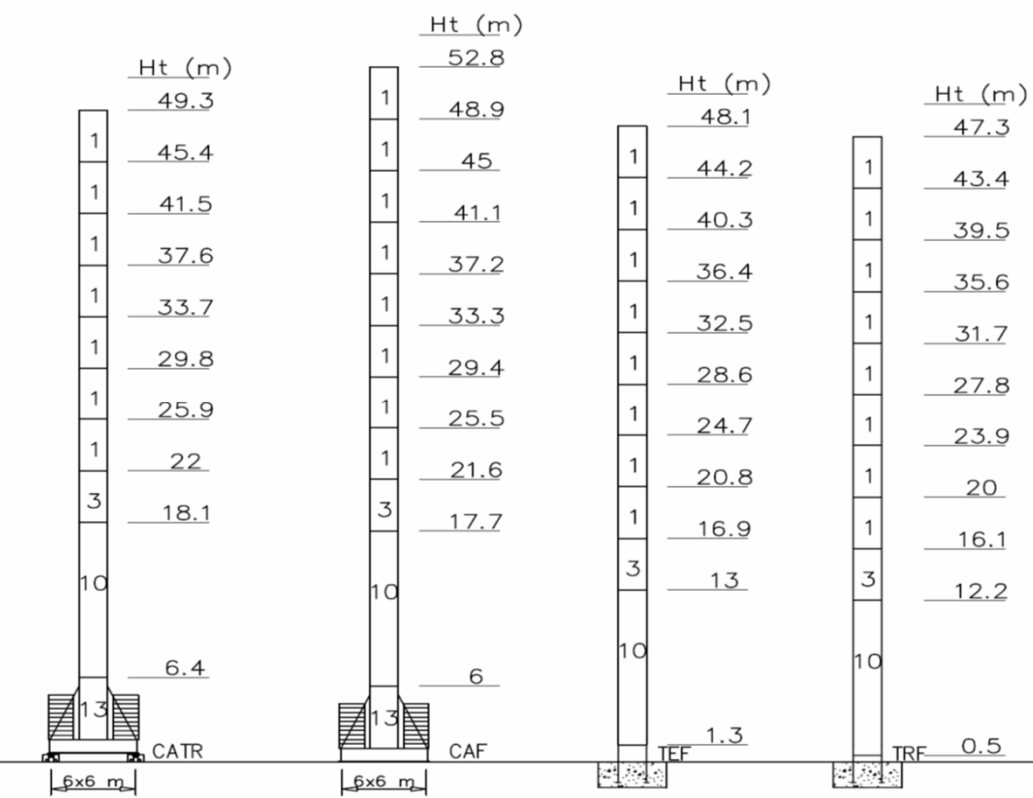
Torre/Reazioni – Masts/Reactions – Mat/Réactions – Maste/Eckdrücke – Mástil/Reacciones – Tramo/Reacções

SN2050 EN14439-D25

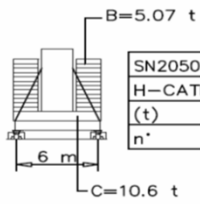


○ Hg=Ht-1 m
 □ Hg=Ht-1.8 m

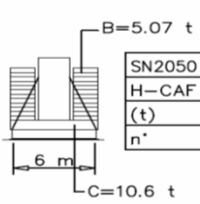
14	BCF52	2/4 M45
13	BAF052	2/4 M42
12	BPF117	4/4 M45-45
11	BNF117	4/4 M45-42
10	BOF117	4/4
9	BOF039	4/4
8	B0039	4/4
7	STR039	2/2
6	SBR117	4/2
5	SBR039	4/2
4	SB117	4/2
3	SB039	4/2
2	ST117	2/2
1	ST039	2/2



Peso zavorra – Ballast weight – Poids du lest – Ballastgewicht – Peso de lastre



SN2050		
H-CATR (m)	45.4	49.3
(t)	102.32	112.46
n'	16B+2C	18B+2C



SN2050					
H-CAF (m)	37.2	41.1	45	48.9	52.8
(t)	92.18	102.32	112.46	122.6	142.88
n'	14B+2C	16B+2C	18B+2C	20B+2C	24B+2C

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 Rev. 4 Data 03.07.17

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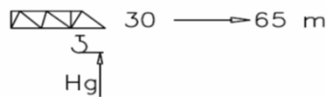
65m Kran, FM Gru 1465 TLX

AFM Gru

1465 TLX

Torre/Reazioni – Masts/Reactions – Mat/Réactions – Maste/Eckdrücke – Mástil/Reacciones – Tramo/Reacções

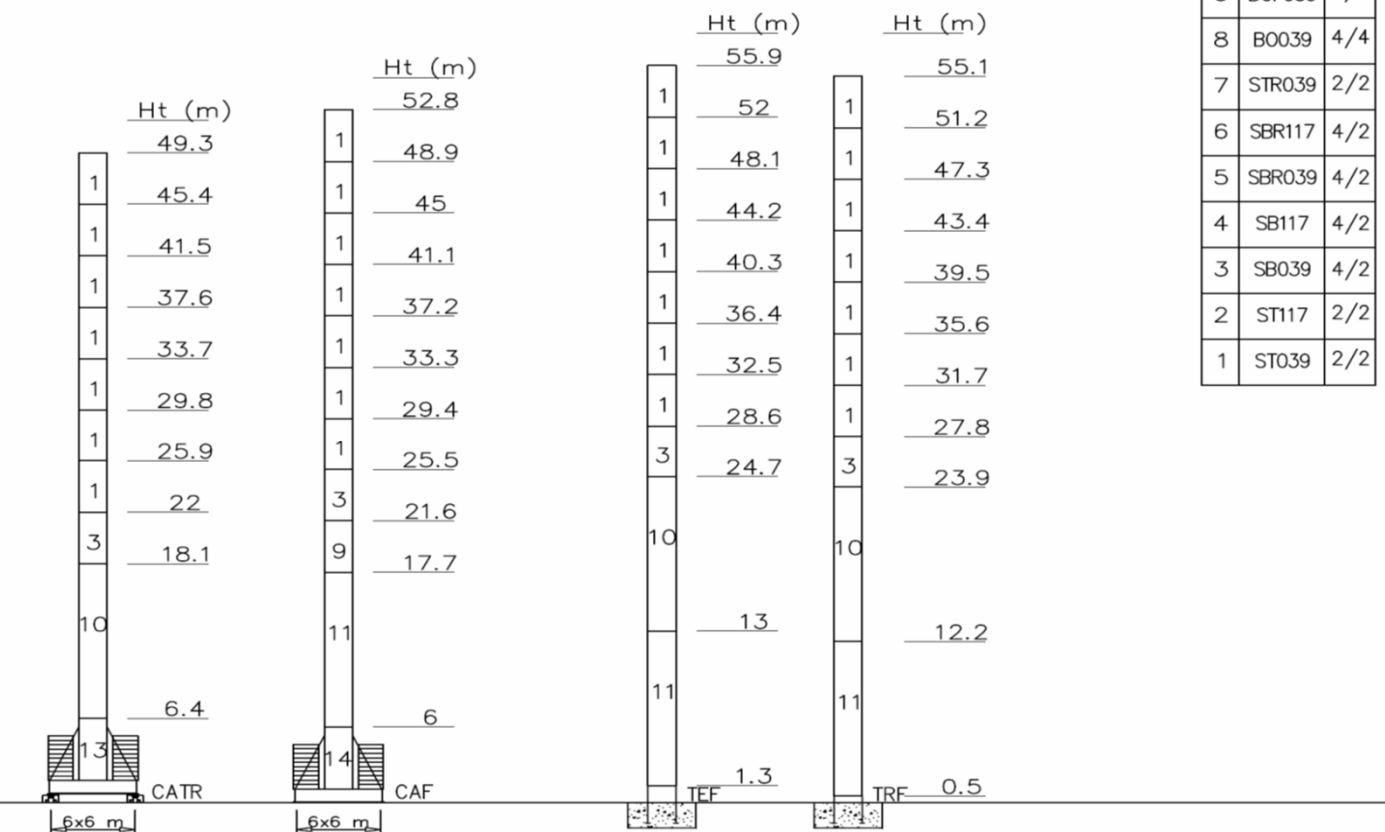
SN2050 EN14439-D25



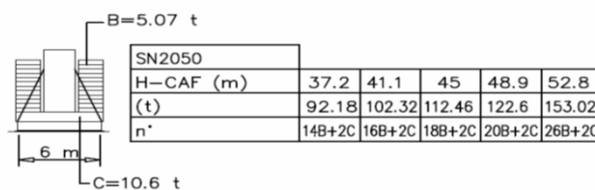
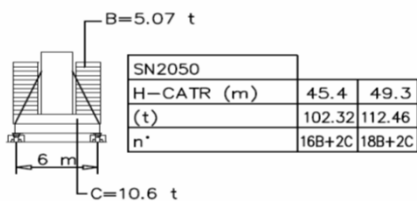
- Hg=Ht-1 m
- Hg=Ht-1.8 m



14	BCF52	2/4 M45
13	BAF052	2/4 M42
12	BPF117	4/4 M45-45
11	BNF117	4/4 M45-42
10	BOF117	4/4
9	BOF039	4/4
8	BO039	4/4
7	STR039	2/2
6	SBR117	4/2
5	SBR039	4/2
4	SB117	4/2
3	SB039	4/2
2	ST117	2/2
1	ST039	2/2



Peso zavorra – Ballast weight – Poids du lest – Ballastgewicht – Peso de lastre



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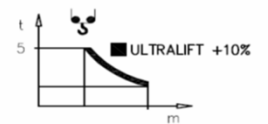
AFM Gru

1465 TLX

Curve di carico – Courbes de charges – Load diagrams – LastKurven – Curvas de cargas

Pmax 5000 kg

	26520 kg	65 m	2.5	24	25	30	35	40	45	50	55	60	65	m
			5000	5000	4600	3750	3050	2650	2300	1950	1700	1500	1400	kg
	24960 kg	60 m	2.5	26.5	30	35	40	45	50	55	60			m
			5000	5000	4250	3500	3000	2600	2300	2050	1800			kg
	24960 kg	55 m	2.5	28.2	30	35	40	45	50	55				m
			5000	5000	4610	3800	3250	2850	2500	2200				kg
	23400 kg	50 m	2.5	31	35	40	45	50						m
			5000	5000	4300	3650	3180	2800						kg
	23400 kg	45 m	2.5	33	35	40	45							m
			5000	5000	4700	4000	3500							kg
	20280 kg	40 m	2.5	34.8	40									m
			5000	5000	4000									kg
	18720 kg	35 m	2.5	35										m
			5000	5000										kg
	15600 kg	30 m	2.5	30										m
			5000	5000										kg



Pmax 5000/10000 kg

	26520 kg	65 m	2.5	13.9	15	20	24	25	30	35	40	45	50	55	60	65	m
			10000	10000	8000	5850	5000	4600	3750	3050	2650	2300	1950	1700	1500	1400	kg
	24960 kg	60 m	2.5	15.1	15	20	25	30	31.5	35	40	45	50	55	60		m
			10000	10000	8600	6700	5200	4250	4000	3500	3000	2600	2300	2050	1800		kg
	24960 kg	55 m	2.5	15.9	15	20	25	28.2	30	35	40	45	50	55			m
			10000	10000	9350	7250	5670	5000	4610	3800	3250	2850	2500	2200			kg
	23400 kg	50 m	2.5	17.2	20	25	30	31	35	40	45	50					m
			10000	10000	7200	6300	5200	5000	4300	3650	3180	2800					kg
	23400 kg	45 m	2.5	18.4	20	25	30	35	40	45							m
			10000	10000	7400	6850	5600	4700	4000	3500							kg
	20280 kg	40 m	2.5	18.3	20	25	30	34.8	40								m
			10000	10000	7600	7000	5800	5000	4000								kg
	18720 kg	35 m	2.5	19.2	20	25	30	35									m
			10000	10000	7700	7200	6000	5000									kg
	15600 kg	30 m	2.5	16.5	20	25	30										m
			10000	10000	7850	7300	6000										kg



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65m Kran, FM Gru 1465 TLX

FM Gru

1465 TLX

PESI E INGOMBRI – PACKING LIST – LISTE DE COLISAGE – GEWICHT UND ABMESSUNGEN

Denominazione Description	Disegno Draw	Pezzi Pieces	Dimensioni—Dimensions (mm)			Peso—Weight (kg)			
			L	W	H	Unit	Total		
Elemento di braccio Jib element Elément de èche Elemento de flecha	n°14		1	5500	1480	2290	2400	—	
	n°13		1	5300	1200	2170	1670	—	
	n°12		1	5280	1200	2170	1400	—	
	n°11		1	5270	1200	2150	1150	—	
	n°10		1	5260	1200	2150	900	—	
	n°9		1	5260	1200	2120	800	—	
	n°8		1	5240	1200	2100	700	—	
	n°7		1	5225	1200	2060	635	—	
	n°6		1	5200	1200	1630	500	—	
	n°5		1	5160	1200	1630	370	—	
	n°4		1	5140	1200	1610	350	—	
	n°3		1	5110	1200	1610	250	—	
	n°2		1	5090	1200	1260	210	—	
	Punta braccio		1	700	1200	500	55	—	
Contorbraccio completo Complete counterjib Contreflèche complète Contraflecha completa		1	12560	1810	1480	5650	—		
Gruppo girevole Slewing group Table tournante Grupo giratorio	SK1700		1	2300	1810	2900	6000	—	
	SN2050		1	2450	1810	2900	6300	—	
Carrello Trolley Chariot Carretilla	P8		1	1600	1620	710	400	—	
Ballatoio con cabina Access balcony with cabin Porte cabine Balcón corrido con cabina		1	2500	2150	2450	1000	—		
Blocchi contrappeso Counterweight block Contre-poids Bloques de contrapeso	VX32		VS15	1	1000	200	3550	1560	1560
	VS15			VX32	8	1000	400	3550	3120

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PESI E INGOMBRI – PACKING LIST – LISTE DE COLISAGE – GEWICHT UND ABMESSUNGEN

Denominazione Description	Disegno Draw	Pezzi Pieces	Dimensioni-Dimensions (mm)			Peso-Weight (kg)		
			L	W	H	Unit	Total	
Elemento di torre Mast element Elément de mât Elemento de torre	ST039	SK1700	–	3900	1785	1785	1750	–
	STR039	SN2050	–	3900	2110	2110	2320	–
	ST052	SK1700	–	5200	1785	1785	2250	–
		SN2050	–	5200	2110	2110	2850	–
	ST117	SK1700	–	11700	1785	1785	4690	–
		SN2050	–	11700	2110	2110	5790	–
	SB039	SK1700	–	3900	1785	1785	2100	–
	SB039	SN2050	–	3900	2110	2110	2710	–
	SB052	SK1700	–	5200	1785	1785	2600	–
		SN2050	–	5200	2110	2110	3350	–
	SB117	SK1700	–	11700	1785	1785	4830	–
	SBR117	SN2050	–	11700	2110	2110	7000	–
	BOF039	SK1700	–	3900	1785	1785	2450	–
	BPF039	SN2050	–	3900	2110	2110	3370	–
BO039	SK1700	–	5200	1785	1785	3390	–	
BOF052	SN2050	–	5200	2110	2110	3880	–	
Elemento di base Base element Mat de base Elemento de base	BAF052	SK1700	1	5200	2060	2060	3650	–
	BCF052	SN2050	1	5200	2260	2260	4040	–
		4.5x4.5	1	6670	500	1260	3180	3180
Carro di base Base carriage Chassis de base Cruceta de base		5x5	1	7550	670	780	2300	2300
		6x6	1	8870	670	780	2500	2500
		4.5x4.5	2	3100	500	1260	1400	2800
		5x5	2	3530	420	780	1060	2120
		6x6	2	4320	420	780	1200	2400
	Puntoni di base Rafter Jambes de force Cabrios de base		5x5	4	4250	240	300	280
		6x6	4	4560	420	300	420	1680
Elemento a perdere Disposable frame Chassis a perdre Bastidor desechable		SK1700	1	1840	1910	1910	1430	–
		SN2050	1	2600	2260	2260	2030	–
Elemento recuperabile Recoverable frame Chassis récupérable Bastidor recuperable		SK1700	1	1300	2170	2170	1720	–
		SN2050	1	1300	2620	2620	1860	–
Bogie di traslazione Driven bogie Boggie motorisèe Balancin de traslaciòn			4	1160	700	600	700	2800
Blocco zavorra di base Base ballast block Lest de base Blaque de lastre		4.5x4.5	–	4400	1200	290	3500	–
		5x5	2	5300	1000	600	7300	14600
		6x6	2	6400	1200	600	10600	21200
		5x5	–	4100	1600	300	3500	–
		6x6	–	4800	2000	300	5070	–
Corsoio di montaggio Climbing cage Cage de montage Jaula de montaje		SK1700	1	8300	2600	2500	6000	–
		SN2050	1	8300	2900	2700	6700	–

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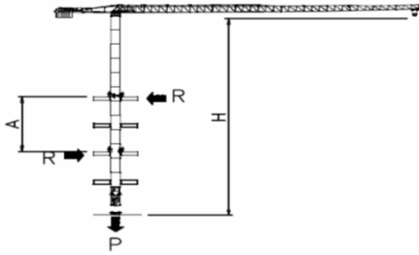
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GRU IN CAVEDIO – TELESOPAGE SUR DALLES – CLIMBING CRANE – KLETTERKRANE IM GEBAUDE



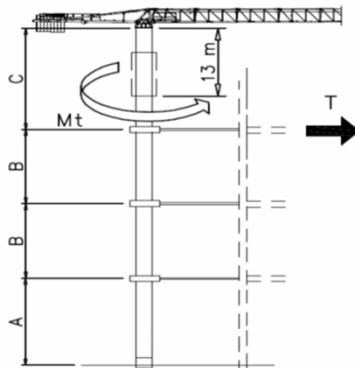
SK1700	H (m)	A (m)
	39	Min 9
Apertura passaggio gru Opening for crane passing 		Max 12

SN2050	H (m)	A (m)
	50.8	Min 9
Apertura passaggio gru Opening for crane passing 		Max 12

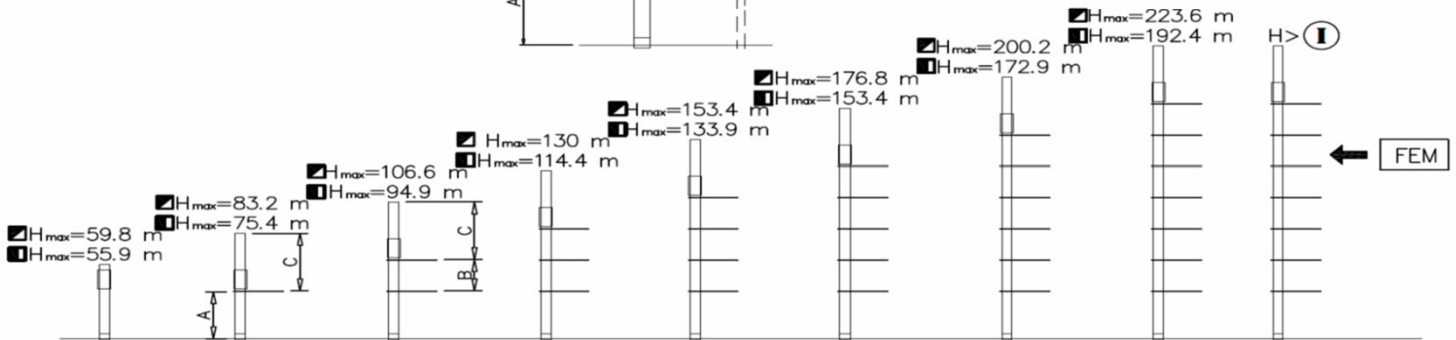
SOPRALZO IDRAULICO – TELESOPABLE – EXTERNAL CLIMBING – KLETTERKRANE

FEM

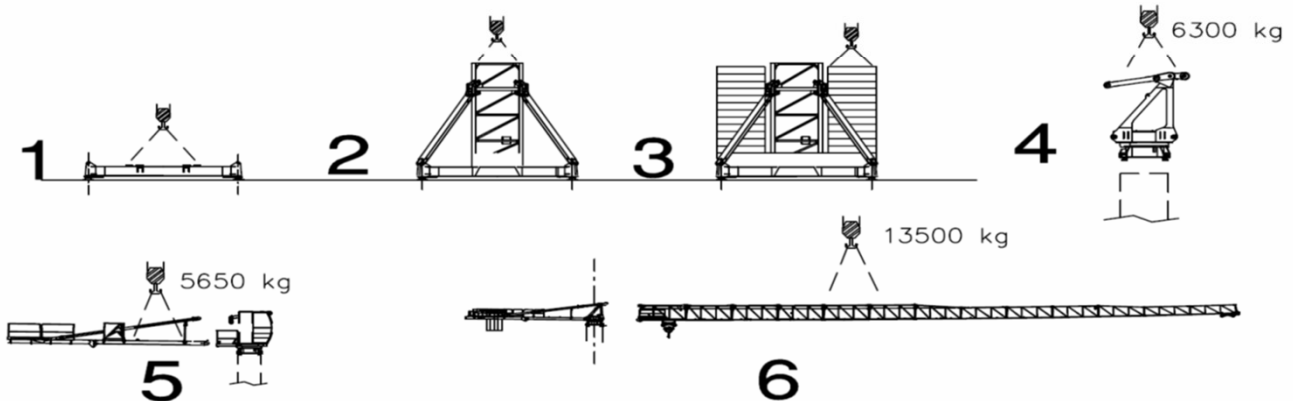
MAX	SK1700
C	32.5 m
B	19.5 m
A	42.9 m



MAX	SN2050-M42	SN2050-M45
C	36.4 m	36.4 m
B	23.4 m	23.4 m
A	46.8 m	54.6 m
		Hmax+7.8 m



Montaggio – Montage – Erection – Montage – Montaje – Montagem



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Meccanismi – Mechanisms – Mécanismes – Antriebe – Mecanismos

Sollevamento V45.60 Hoisting Levage Heben Elevaciòn Elevaçao														V45.60 33 kW 57 kVA 200 m 448 m (L)
	m/min	3	14	30	45	60	72	1.5	7	15	22.5	30	36	
	t	5	5	5	3.5	2.4	1.2	10	10	10	7	4.8	2.4	
Sollevamento V75.105 Hoisting Levage Heben Elevaciòn Elevaçao														V75.105 55 kW 85 kVA 200 m 448 m (L)
	m/min	4	21	43	68	86	105	2	10.5	21.5	34	43	52.5	
	t	5	5	5	3.4	2.5	1.2	10	10	10	6.8	5	2.4	

Carrello Trolleying Distribution Katzfahren Distribuciòn Distribuiçao			0 → 80	m/min	4 kW	Potenza elettrica necessaria Puissance électrique nécessaire Necessary electric power Anschlusswert – Potencia
Rotazione Slewing Orientation Schwenken Orientaciòn Rotaçao			0 → 0,9	giri/min tr/min rp/min	4.4 kW @ 1200rpm n° 2 x 2.2 kW	
Traslazione Travelling Translation Kranfahren Traslaciòn Traslaiçao			0 → 20	m/min	7.5 kW	

Rete elettrica – Réseau – Mains supply – Netzstrom – Red – Rede electrica	400V – 50 Hz
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FEM 1.001 – A4
 EN 14439 – C25 – D25

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**GRU A TORRE ROTAZIONE ALTA - TLX
 TOWER CRANE HIGH ROTATION - TLX**

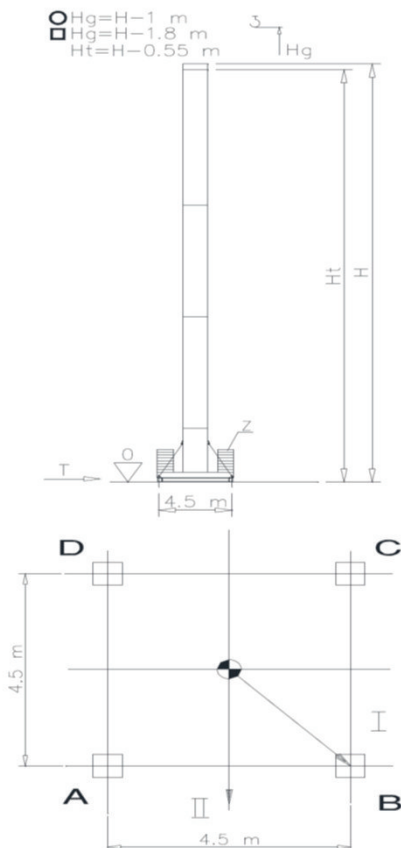
Modello 1465TLX P8/P10
Model
Portata in punta al braccio 1400kg
Tip load capacity
Lunghezza max braccio 65 m
Max jib length

Portata massima 8000 / 10000 kg
Max load capacity

Torre Appoggiata Con Cabina e Gabbia abbassata
Rested version With cabin and lowered cage

Carichi di base per gru Appoggiata con Carro 4,5x4,5 in accordo alla EN 14439 C25
 Base load for a rested version crane with undercarriage 4,5x4,5 according to EN 14439 C25

Composizione - Torre Modello: S.K1700
 Composition - Tower Model: S.K1700



Legenda
 Legend

A-B-C-D = Carico verticale sugli appoggi; unità di misura [t]
 A-B-C-D = Vertical load on the undercarriage feet;
 unit of measure [t]

Sc = Interasse appoggi; unità di misura [m]
 Sc = Wheelbase wagon; unit of measure [m]

I-II = Direzione del braccio;
 I-II = Jib direction

Z = Zavorra; unità di misura [kg]
 Z = Base ballast; unit of measure [kg]

T = Carico orizzontale; unità di misura [t]
 T = Horizontal load; unit of measure [t]

N.B. = 1 t = 9,806 kN

N.B. Utilizzare il valore massimo dei carichi forniti
 N.B. Use the maximum value of the loads supplied



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Carichi di base per gru Appoggiata con Carro 4,5x4,5 in accordo alla EN 14439 C25
Base load for a rested version crane with undercarriage 4,5x4,5 according to EN 14439 C25

Composizione - Torre Modello: S.K1700
Composition - Tower Model: S.K1700

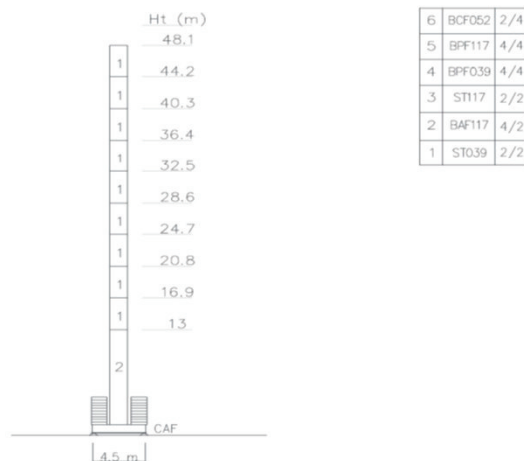


Tabella carichi alla base
Load table – crane base

Lunghezza del braccio - Jib length 65 [m]						
	DISPOSIZIONE DEL BRACCIO jib composition	In servizio In service	In servizio In service	Fuori servizio Out of service	Fuori servizio Out of service	Zavorra di base Base Ballast [kg]
Altezza della torre Tower Crane Height [m]	APPOGGI Undercarriage feet/Support	I	II	I	II	
0 - 24,7 m	A	42,5	40,3	101,2	79,3	63000
	B	77,2	73,8	33	79,3	
	C	42,5	12,3	33	6,7	
	D	13,6	38,2	10,3	6,7	
24,7 - 32,5 m	A	48,1	45,7	114,6	89,7	63000
	B	87,4	83,5	37,3	89,7	
	C	48,1	13,9	37,3	7,6	
	D	15,4	43,3	11,7	7,6	
32,5 - 40,3 m	A	54,5	51,7	129,7	101,5	77000
	B	98,9	94,5	42,3	101,5	
	C	54,5	15,8	42,3	8,6	
	D	17,5	49	13,2	8,6	
40,3 - 48,1 m	A	56,7	53,8	135	105,7	105000
	B	103	98,4	44	105,7	
	C	56,7	16,4	44	9	
	D	18,2	51	0	9	