CONDOR MECART S.A.

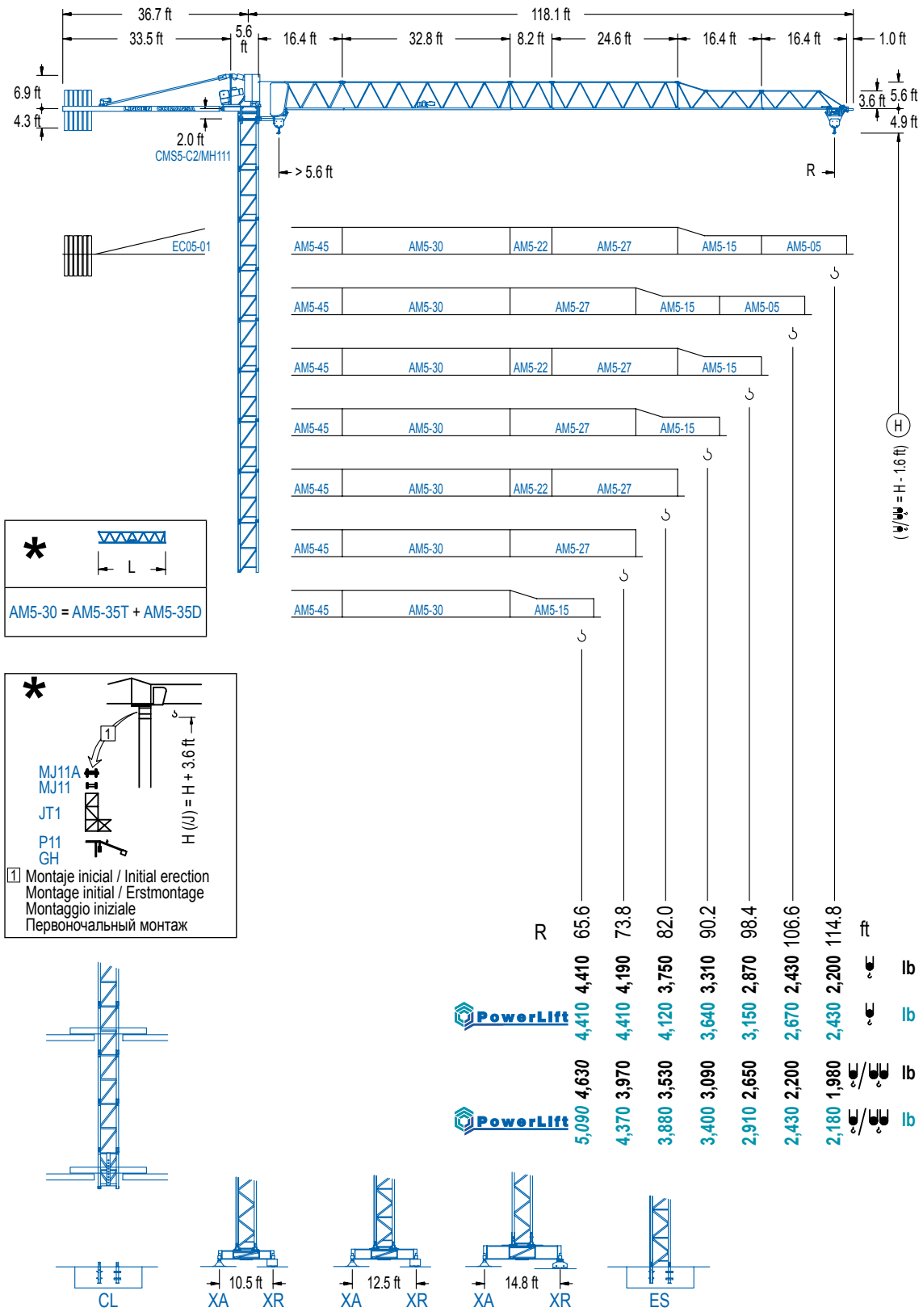
COMANSA

SCHEDE TECNICHE DEI SEGUENTI PRODOTTI

- 5 LC 3510
- 5 LC 5010
- 11 LC 160
- 21 LC 210

LINDEN COMANSA

LC 500 — 5 LC 3510 — 8,820 lb



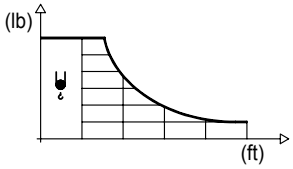
R	65.6	73.8	82.0	90.2	98.4	106.6	114.8	ft	
	4,410	4,190	3,750	3,310	2,870	2,430	2,200		lb
PowerLift	4,410	4,410	4,120	3,640	3,150	2,670	2,430		lb
	4,630	3,970	3,530	3,090	2,650	2,200	1,980		lb
PowerLift	5,090	4,370	3,880	3,400	2,910	2,430	2,180		lb

CE EN 14439 (C/25)

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DIAGRAMA DE CARGAS
Load chart / Diagramme de charges / Lastdiagramm / Diagramma di carico / Диаграмма распределения нагрузки

R (ft)	RCmax (ft)	32.8	41.0	49.2	57.4	65.6	73.8	82.0	90.2	98.4	106.6	114.8
114.8	64.0				4,410	4,300	3,750	3,310	2,950	2,670	2,430	2,200
106.6	64.3				4,410	4,300	3,770	3,330	2,980	2,670	2,430	
98.4	68.2					4,410	4,010	3,550	3,170	2,870		
90.2	70.5					4,410	4,170	3,700	3,310			
82.0	71.2					4,410	4,230	3,750				
73.8	70.5					4,410	4,190					
65.6	65.6					4,410						



R (ft)	RCmax (ft)	32.8	41.0	49.2	57.4	65.6	73.8	82.0	90.2	98.4	106.6	114.8
114.8	34.8	*8,820*	*7,250*	*5,860*	*4,870*	4,140	3,570	3,130	2,760	2,450	2,200	1,980
106.6	34.8	*8,820*	*7,280*	*5,860*	*4,870*	4,140	3,570	3,130	2,760	2,470	2,200	
98.4	36.7	*8,820*	*7,740*	*6,240*	*5,200*	*4,430*	3,810	3,350	2,980	2,650		
90.2	37.7	*8,820*	*8,000*	*6,460*	*5,380*	*4,590*	3,970	3,480	3,090			
82.0	38.1	*8,820*	*8,090*	*6,550*	*5,450*	*4,650*	4,010	3,530				
73.8	37.7	*8,820*	*8,000*	*6,460*	*5,380*	*4,590*	3,970					
65.6	38.1	*8,820*	*8,070*	*6,530*	*5,450*	*4,630*						

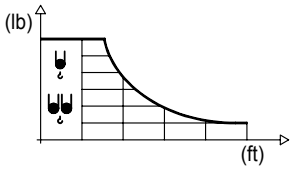
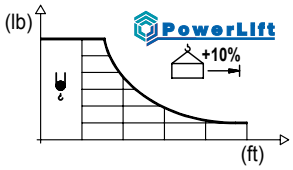
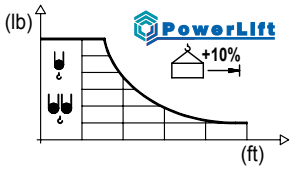


DIAGRAMA DE CARGAS POWERLIFT
Load chart PowerLift / Diagramme de charges PowerLift / Lastdiagramm PowerLift / Diagramma di carico PowerLift / Диаграмма распределения нагрузки PowerLift

R (ft)	RCmax (ft)	32.8	41.0	49.2	57.4	65.6	73.8	82.0	90.2	98.4	106.6	114.8
114.8	69.2					4,410	4,100	3,620	3,240	2,910	2,650	2,430
106.6	69.5					4,410	4,120	3,640	3,260	2,930	2,670	
98.4	73.8						4,410	3,900	3,480	3,150		
90.2	76.3						4,410	4,060	3,640			
82.0	77.4						4,410	4,120				
73.8	73.8						4,410					
65.6	65.6					4,410						



R (ft)	RCmax (ft)	32.8	41.0	49.2	57.4	65.6	73.8	82.0	90.2	98.4	106.6	114.8
114.8	37.0	*8,820*	*7,850*	*6,330*	*5,270*	*4,500*	3,880	3,400	3,020	2,690	2,430	2,180
106.6	37.1	*8,820*	*7,870*	*6,350*	*5,290*	*4,500*	3,900	3,420	3,020	2,690	2,430	
98.4	39.3	*8,820*	*8,380*	*6,790*	*5,670*	*4,830*	4,190	3,660	3,260	2,910		
90.2	40.6	*8,820*	*8,710*	*7,050*	*5,890*	*5,030*	4,370	3,840	3,400			
82.0	41.0		*8,820*	*7,140*	*5,950*	*5,090*	4,410	3,880				
73.8	40.6	*8,820*	*8,730*	*7,050*	*5,910*	*5,030*	4,370					
65.6	41.0		*8,820*	*7,140*	*5,970*	*5,090*						



MECANISMOS
Mechanisms / Mécanismes / Antriebe / Meccanismi / Механизмы

ES3-13-10
740 ft — 21 hp

		I	II	III
	ft/min	30	118	236
	lb	4,410	4,410	2,425

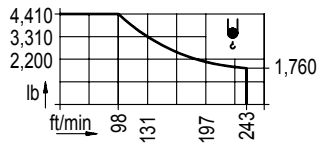
		I	II	III
	ft/min	15	59	118
	lb	8,820	8,820	4,850

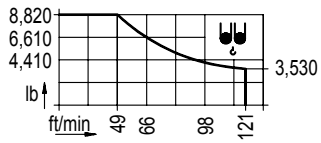
ES3-18-10 *
820 ft — 29 hp

		I	II	III
	ft/min	39	150	299
	lb	4,410	4,410	2,425

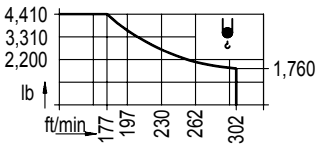
		I	II	III
	ft/min	20	75	150
	lb	8,820	8,820	4,850

EFU2-11-10 *
740 ft — 15 hp





EFU2-18-10 *
820 ft — 24 hp





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MECANISMOS
Mechanisms / Mécanismes / Antriebe / Meccanismi / Механизмы

CS2-1.9
3 hp
63 ft/min 189 ft/min

CFU-2.2 *
3 hp
0 ⇨ 262 ft/min

GR-6.5
48 ft·lb
0 ⇨ 0,8 rpm

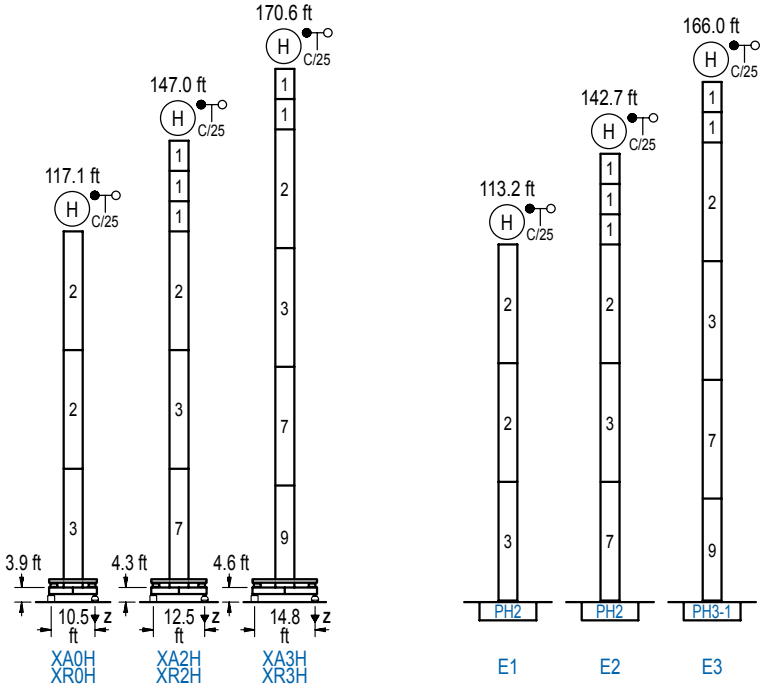
TS2-3.0	TS2-4.5	TS2-5.5
2x 22 ft·lb	2x 33 ft·lb	2x 40 ft·lb
0 ⇨ 78 ft/min		
XR0H	XR2H	XR3H

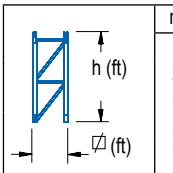
POTENCIA / POWER / PUISSANCE / LEISTUNG / POTENZA / МОЩНОСТЬ				Tensión de alimentación / Operating voltage / Tension de service / Betriebsspannung / Tensione di alimentazione / Напряжение источника питания	Generador / Generator / Générateur / Generator / Generatore / Генератор
Elevación / Hoist / Levage / Hub / Sollevamento / Тип механизма (подъем)	Carro / Trolley / Chariot / Laufkatze / Carrelo / Грузовая тележка	Giro / Slewing / Rotation / Drehbewegung / Rotazione / Поворот	Traslación / Travel / Translation / Verfahrbewegung / Traslazione / Ход		
ES3-13-10	CS2-1.9	GR-6.5	(2x) TS2-3.0 (2x) TS2-4.5 (2x) TS2-5.5	480 V 3ph 60 Hz	90 kVA
ES3-18-10					107 kVA
EFU2-11-10	CFU-2.2				48 kVA
EFU2-18-10					60 kVA

Opcional / Optional / En option / Kaufoption / Opzionale / Опционально: *

ALTURAS BAJO GANCHO
Heights under hook / Hauteurs sous crochet / Hakenhöhen / Altezza sotto gancio / Высота под крюком

⍁ 3.9 ft





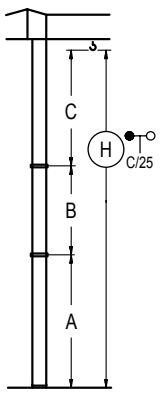
nº	Ref.	⍁	h
1	MH111	3.9	9.8
2	MH114	3.9	38.7
3	MH114A	3.9	38.7
5	MH121	3.9	9.8
7	MH124A	3.9	38.7
9	MT123	3.9	33.1

MH114 = 4x MH111 - 0.7 ft

H = H + 0.7 ft
H = H
H = H
H = H - 0.7 ft

Z máx.		
	En servicio / In operation / En service / In Betrieb / In servizio / При работе	XR0H..... 77 kip XR2H..... 90 kip XR3H..... 99 kip
	Fuera de servicio / Out of service / Hors service / Ausser Betrieb / Fuori servizio / В стационарном состоянии	XR0H... 108 kip XR2H... 148 kip XR3H... 168 kip

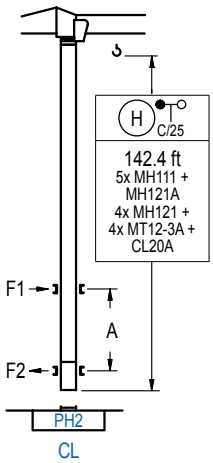
GRÚA ARRIOSTRADA
Braced crane / Grue à entretoisement / Abgespannter Kran / Gru ancorata / Наращиваемый кран

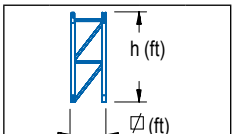


	XA0H		XA2H		XA3H	
A max	101.0		130.2		153.9	
B max	-	68.9	-	68.9	-	68.9
C max	89.2	89.2	89.2	89.2	89.2	89.2
H max	190.3	259.2	219.5	288.4	243.1	312.0

	E1		E2		E3	
A max	97.1		126.0		149.3	
B max	-	68.9	-	68.9	-	68.9
C max	89.2	89.2	89.2	89.2	89.2	89.2
H max	186.4	255.2	215.2	284.1	238.5	307.4

GRÚA TREPADORA
Internal climbing crane / Grue avec cage de télescopage intérieure / Kran mit klettern im Gebäude / Gru in rampante in cavedio / Кран с самоподъемом





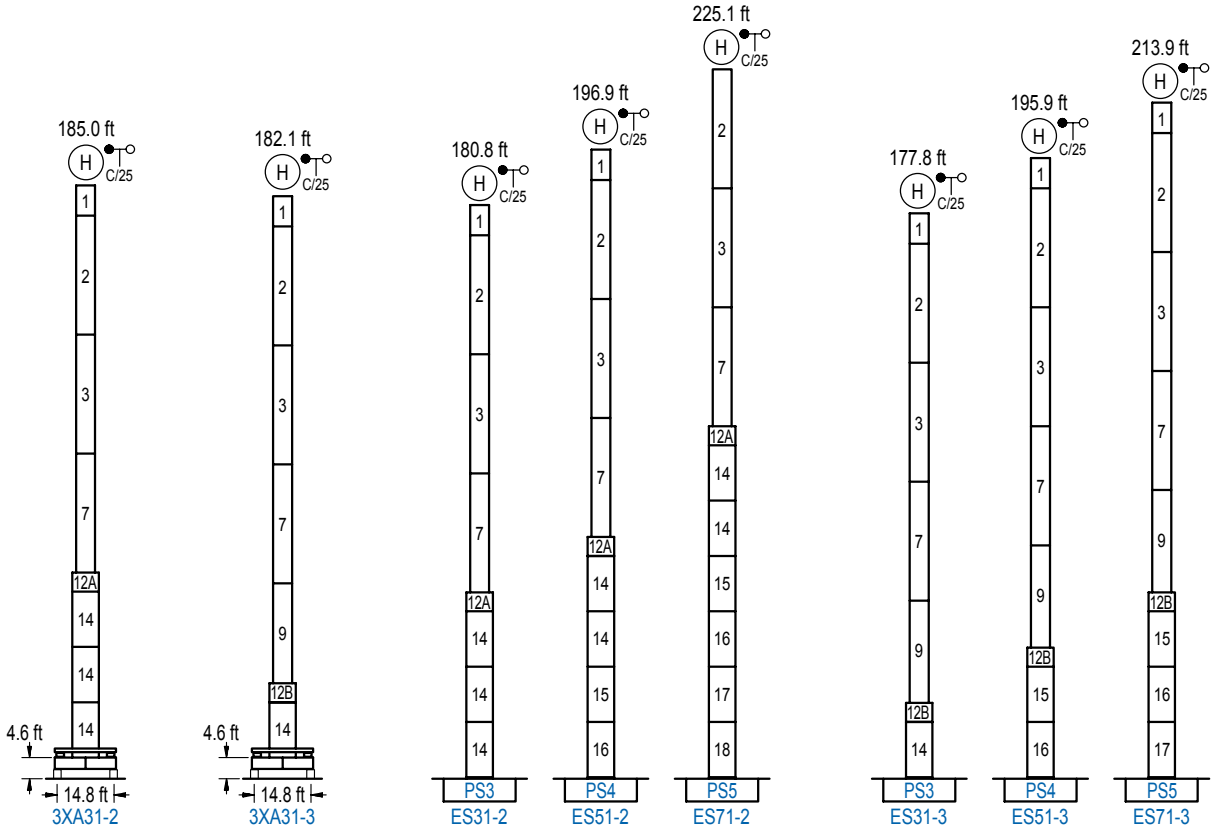
nº	Ref.	⍁	h
1	MH111	3.9	9.8
4	MH121A	3.9	9.8
5	MH121	3.9	9.8
10	MT12-3A	3.9	9.5
11	CL20A	3.9	8.5

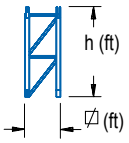
Otras zonas de viento, alturas superiores, arriostramientos o trepado interno consultar / Other wind zones , additional hook heights, tie frames or internal climbing on request / Autres zones de vent, des hauteurs supplémentaires, entretoisements où grues avec cage de télescopage intérieure, sur demande / Andere Windzonen, weitere Hakenhöhen, Abspannungen zum Gebäude oder Klettern im Gebäude auf Anfrage / Per zone con velocità del vento particolari, altezze superiori, ancoraggi o rampante in cavedio, consultare il fabbricante / При других ветренных зонах, при бóльшой высоте, привязках к зданию или наращивании крана внутри здания проконсультируйтесь с нами

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ALTURAS ESPECIALES
Special heights / Spéciaux hauteurs / Extra Höhen / Conformazioni raccordate per altezze speciali / Для специальной высоты

⌀ 5.2 ft





nº	Ref.	⌀	h
1	MH111	3.9	9.8
2	MH114	3.9	38.7
3	MH114A	3.9	38.7
7	MH124A	3.9	38.7
9	MT123	3.9	33.1
MH114 = 4x MH111 - 0.7 ft			

nº	Ref.	⌀	h
12A	TMS13/PMH12	5.2	3.3
12B	TMS13/PMH13	5.2	3.3

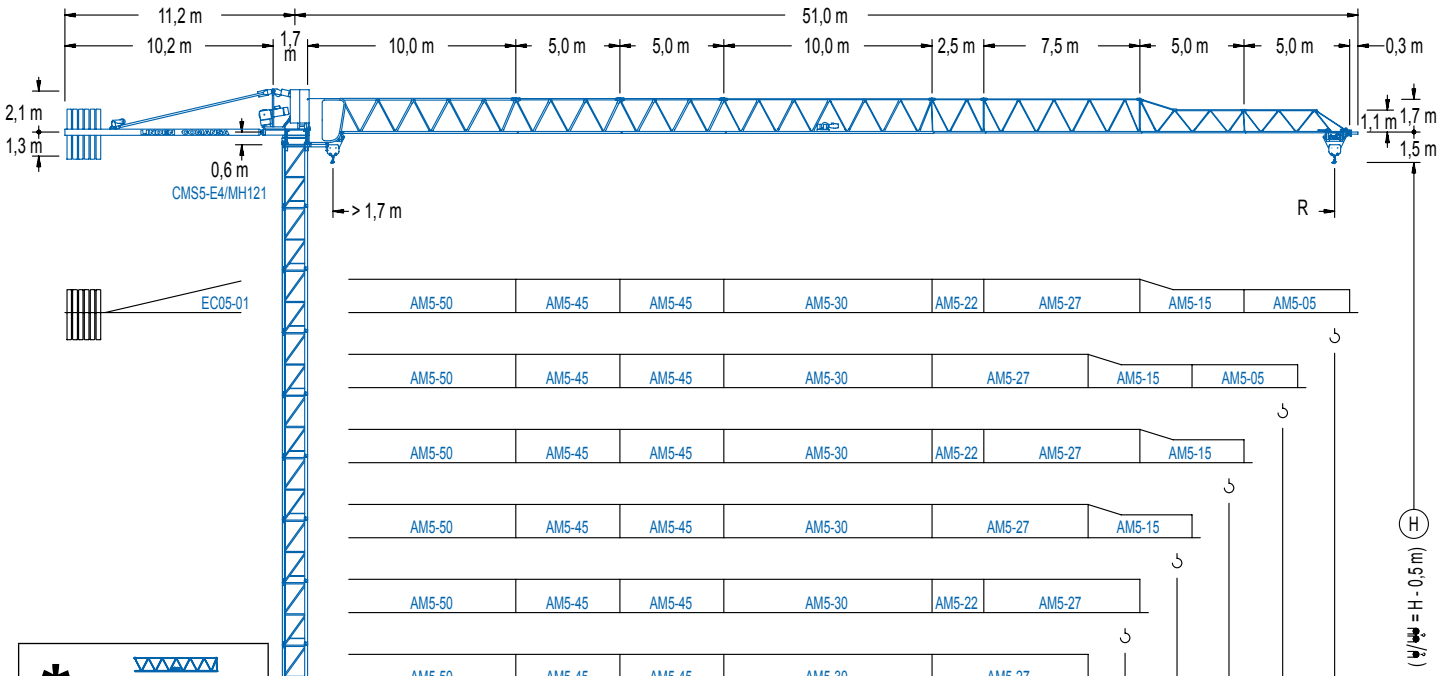
nº	Ref.	⌀	h
14	S13	5.2	18.0
15	TS14	5.2	18.0
16	S14	5.2	18.0
17	TS15	5.2	18.0
18	S15	5.2	18.0

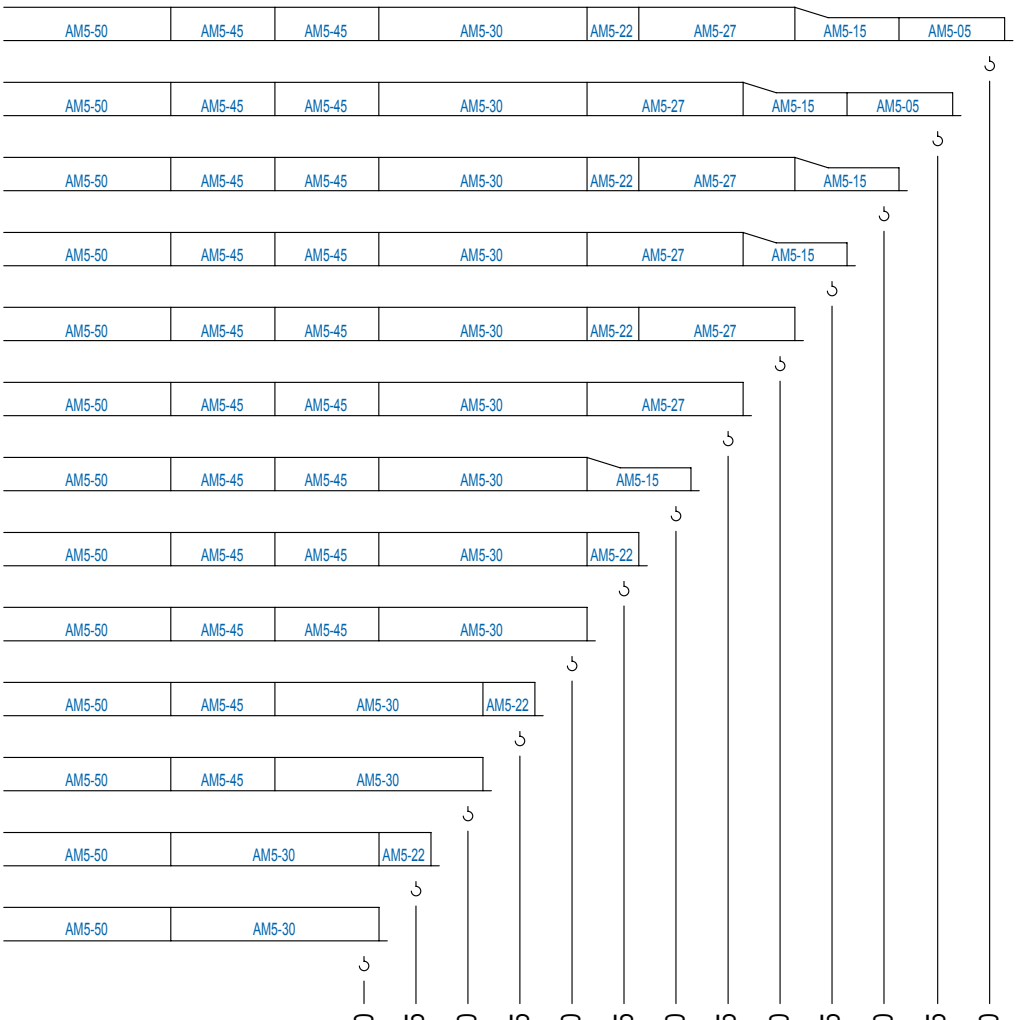
Otras zonas de viento o alturas superiores consultar / Other wind zones or additional hook heights on request / Autres zones de vent ou des hauteurs supplémentaires sur demande / Andere Windzonen oder weitere Hakenhöhen auf Anfrage / Per zone con velocità del vento particolari o altezze superiori consultare il fabbricante / При других ветренных зонах о при бóльшой высоте проконсультируйтесь с нами

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Construcciones Metálicas COMANSA S. A.
Tel.: (34) 948 335 020 / Fax: (34) 948 330 810 / e-mail: info@comansa.com
Polígono Urbizkain E-31620 HUARTE-PAMPLONA.- SPAIN

LINDEN COMANSA

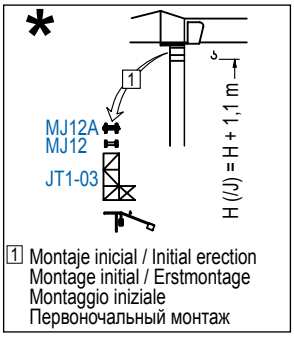
LC 500 — 5 LC 5010 — 4 t





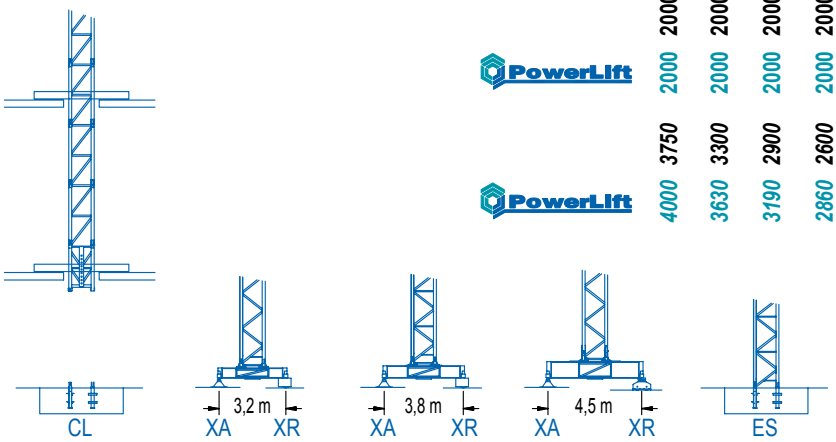
* L

AM5-50 = AM5-55T + AM5-55D
AM5-30 = AM5-35T + AM5-35D



1 Montaje inicial / Initial erection
Montage initial / Erstmontage
Montaggio iniziale
Первоначальный монтаж

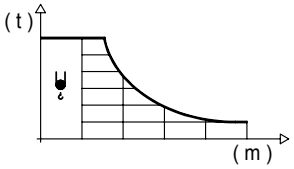
R	m	20,0	22,5	25,0	27,5	30,0	32,5	35,0	37,5	40,0	42,5	45,0	47,5	50,0
	kg	2000	2000	2000	2000	2000	2000	2000	1750	1600	1500	1200	1100	1000
PowerLift	kg	2000	2000	2000	2000	2000	2000	2000	1920	1760	1650	1320	1210	1100
	kg	3750	3300	2900	2600	2350	2100	1900	1650	1500	1400	1100	1000	900
PowerLift	kg	4000	3630	3190	2860	2580	2310	2090	1810	1650	1540	1210	1100	990



CE EN 14439 (C/25)

DIAGRAMA DE CARGAS
Load chart / Diagramme de charges / Lastdiagramm / Diagramma di carico / Диаграмма распределения нагрузки

R (m)	RCmax (m)	12,5	15,0	17,5	20,0	22,5	25,0	27,5	30,0	32,5	35,0	37,5	40,0	42,5	45,0	47,5	50,0
50,0	27,8							2000	1830	1670	1530	1410	1310	1220	1140	1060	1000
47,5	28,5							2000	1890	1720	1580	1460	1350	1260	1170	1100	
45,0	29,0							2000	1930	1760	1610	1490	1380	1280	1200		
42,5	33,1									2000	1880	1730	1610	1500			
40,0	32,9									2000	1860	1720	1600				
37,5	33,4									2000	1890	1750					
35,0	35,0										2000						
32,5	32,5									2000							
30,0	30,0								2000								
27,5	27,5							2000									
25,0	25,0						2000										
22,5	22,5					2000											
20,0	20,0				2000												



R (m)	RCmax (m)	12,5	15,0	17,5	20,0	22,5	25,0	27,5	30,0	32,5	35,0	37,5	40,0	42,5	45,0	47,5	50,0
50,0	14,9	4000	3970	3330	2850	2480	2190	1950	1760	1590	1450	1330	1220	1120	1040	970	900
47,5	15,3		4000	3420	2930	2550	2260	2010	1810	1640	1490	1370	1260	1160	1080	1000	
45,0	15,5		4000	3480	2980	2600	2300	2050	1840	1670	1520	1400	1280	1190	1100		
42,5	17,5			4000	3450	3010	2660	2380	2150	1950	1780	1640	1510	1400			
40,0	17,4		4000	3980	3420	2990	2640	2360	2130	1940	1770	1630	1500				
37,5	17,6			4000	3470	3030	2680	2400	2160	1960	1800	1650					
35,0	18,5			4000	3650	3190	2830	2530	2280	2080	1900						
32,5	18,6			4000	3690	3230	2860	2560	2310	2100							
30,0	18,9			4000	3750	3280	2910	2600	2350								
27,5	18,9			4000	3750	3280	2900	2600									
25,0	18,9			4000	3740	3270	2900										
22,5	19,0			4000	3770	3300											
20,0	18,9			4000	3750												

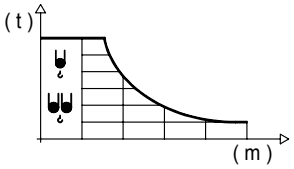
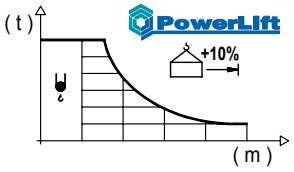
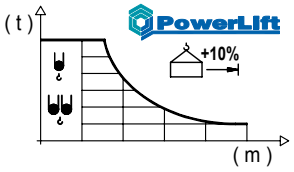


DIAGRAMA DE CARGAS POWERLIFT
Load chart PowerLift / Diagramme de charges PowerLift / Lastdiagramm PowerLift / Diagramma di carico PowerLift / Диаграмма распределения нагрузки PowerLift

R (m)	RCmax (m)	12,5	15,0	17,5	20,0	22,5	25,0	27,5	30,0	32,5	35,0	37,5	40,0	42,5	45,0	47,5	50,0
50,0	30,0								2000	1830	1680	1550	1440	1340	1250	1170	1100
47,5	30,9								2000	1880	1730	1600	1480	1380	1290	1210	
45,0	31,4								2000	1920	1770	1630	1520	1410	1320		
42,5	35,9										2000	1900	1770	1650			
40,0	35,8										2000	1900	1760				
37,5	36,2										2000	1920					
35,0	35,0										2000						
32,5	32,5									2000							
30,0	30,0								2000								
27,5	27,5							2000									
25,0	25,0						2000										
22,5	22,5					2000											
20,0	20,0				2000												



R (m)	RCmax (m)	12,5	15,0	17,5	20,0	22,5	25,0	27,5	30,0	32,5	35,0	37,5	40,0	42,5	45,0	47,5	50,0
50,0	15,9		4000	3590	3080	2690	2370	2120	1910	1730	1580	1450	1330	1230	1140	1060	990
47,5	16,3		4000	3700	3170	2770	2450	2190	1970	1790	1630	1500	1380	1270	1180	1100	
45,0	16,6		4000	3770	3240	2820	2500	2230	2010	1820	1670	1530	1410	1300	1210		
42,5	18,9			4000	3750	3280	2900	2600	2350	2140	1950	1800	1660	1540			
40,0	18,8			4000	3730	3260	2890	2580	2330	2120	1940	1790	1650				
37,5	19,0			4000	3770	3300	2920	2620	2360	2150	1970	1810					
35,0	20,0			4000	3990	3490	3100	2770	2510	2280	2090						
32,5	20,2				4000	3530	3130	2810	2540	2310							
30,0	20,5				4000	3590	3180	2850	2580								
27,5	20,5				4000	3600	3190	2860									
25,0	20,5				4000	3600	3190										
22,5	20,7				4000	3630											
20,0	20,0				4000												



MECANISMOS
Mechanisms / Mécanismes / Antriebe / Meccanismi / Механизмы

ES3-13-10
225 m — 13,2 kW

		I	II	III
	m/min	7,5	30	60
	kg	2000	2000	1100

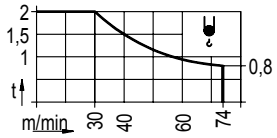
		I	II	III
	m/min	3,7	15	30
	kg	4000	4000	2200

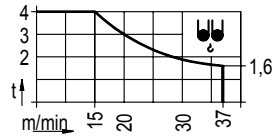
ES3-18-10 *
250 m — 18 kW

		I	II	III
	m/min	10	38	76
	kg	2000	2000	1100

		I	II	III
	m/min	5	19	38
	kg	4000	4000	2200

EFU2-11-10 *
225 m — 11 kW





EFU2-18-10 *
250 m — 18 kW





MECANISMOS
Mechanisms / Mécanismes / Antriebe / Meccanismi / Механизмы

CS2-1.9
1,9 kW
16 m/min 48 m/min

CFU-2.2 *
2,2 kW
0 ⇨ 80 m/min

GR-9.0
90 Nm
0 ⇨ 0,8 rpm

TS2-3.0	TS2-4.5	TS2-5.5
2 x 30 Nm	2 x 45 Nm	2 x 55 Nm
20 m/min		
XR0H	XR2H	XR3H XR3H-A

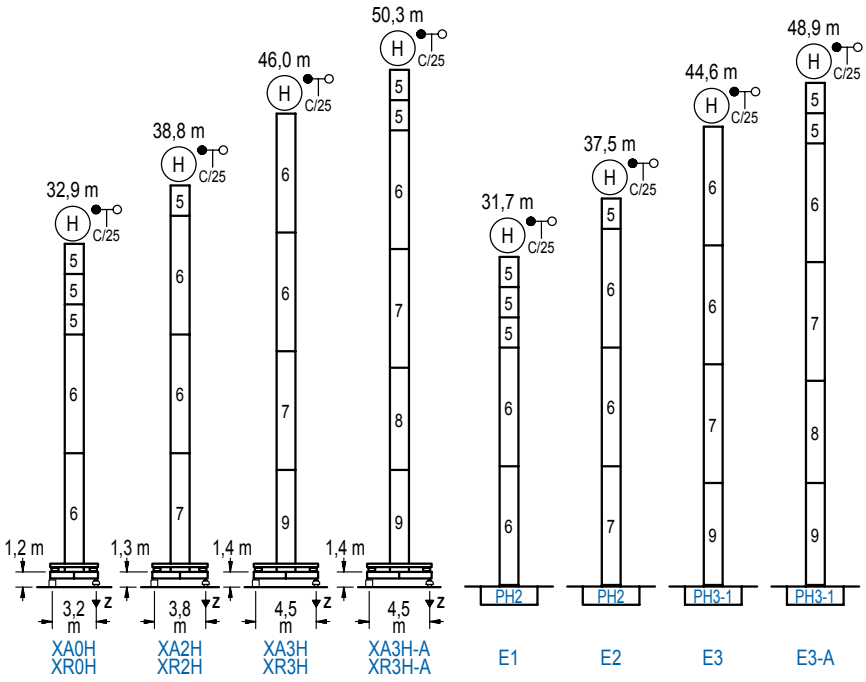
POTENCIA / POWER / PUISSANCE / LEISTUNG / POTENZA / МОЩЬНОСТЬ				Tensión de alimentación / Operating voltage / Tension de service / Betriebsspannung / Tensione di alimentazione / Напряжение источника питания	Generador / Generator / Générateur / Generator / Generatore / Генератор
Elevación / Hoist / Levage / Hub / Sollevamento / Тип механизма (подъем)	Carro / Trolley / Chariot / Laufkatze / Carrelo / Грузовая тележка	Giro / Slewing / Rotation / Drehbewegung / Rotazione / Поворот	Traslación / Travel / Translation / Verfahrbewegung / Traslazione / Ход		
ES3-13-10	CS2-1.9	GR-9.0	(2x) TS2-3.0 (2x) TS2-4.5 (2x) TS2-5.5	400 V 3ph 50 Hz	90 kVA
ES3-18-10					107 kVA
EFU2-11-10	CFU-2.2				48 kVA
EFU2-18-10					60 kVA

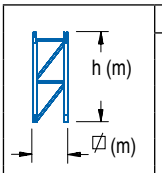
Opcional / Optional / En option / Kaufoption / Opzionale / Опционально: *

LC 500

ALTURAS BAJO GANCHO
Heights under hook / Hauteurs sous crochet / Hakenhöhen / Altezza sotto gancio / Высота под крюком

⍁ 1,2 m





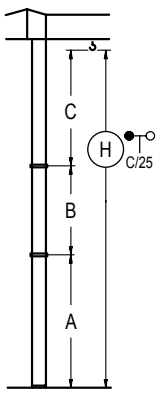
nº	Ref.	⍁	h
5	MH121	1,2	3,0
6	MH124-1	1,2	11,8
7	MH124A	1,2	11,8
8	MT123A	1,2	10,1
9	MT123	1,2	10,1

MH124-1 = 4x MH121 - 0,2 m

H = H + 0,2 m
H = H
H = H
H = H - 0,2 m

Z máx.		
	En servicio / In operation / En service / In Betrieb / In servizio / При работе	XR0H..... 43 t XR2H..... 42 t XR3H..... 43 t XR3H-A..... 48 t
	Fuera de servicio / Out of service / Hors service / Ausser Betrieb / Fuori servizio / В стационарном состоянии	XR0H..... 42 t XR2H..... 49 t XR3H..... 64 t XR3H-A..... 76 t

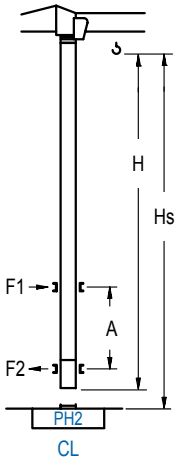
GRÚA ARRIOSTRADA
Braced crane / Grue à entretoisement / Abgespannter Kran / Gru ancorata / Наращиваемый кран



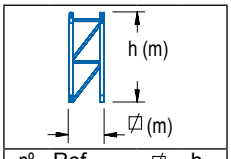
	XA0H		XA2H		XA3H		XA3H-A	
A max A min	27,8 16,0		33,9 16,1		41,1 23,3		45,2 33,4	
B max B min	-	21,0 12,0	-	21,0 12,0	-	21,0 12,0	-	21,0 12,0
C max	27,2	27,2	27,2	27,2	27,2	27,2	27,2	27,2
H max	55,0	76,0	61,1	82,1	68,3	89,3	72,4	93,4

	E1		E2		E3		E3-A	
A max A min	26,6 14,8		32,6 14,8		39,7 21,9		43,8 32,0	
B max B min	-	21,0 12,0	-	21,0 12,0	-	21,0 12,0	-	21,0 12,0
C max	27,2	27,2	27,2	27,2	27,2	27,2	27,2	27,2
H max	53,8	74,8	59,8	80,8	66,9	87,9	71,0	92,0

GRÚA TREPADORA
Internal climbing crane / Grue avec cage de télescopage intérieure / Kran mit klettern im Gebäude / Gru in rampante in cavedio / Кран с самоподъемом



H C/25	Hs < 300 m	
	A max (m)	A min (m)
43,3 m 10x MH121 + 4x MT12-3A + CL20A	12,0	9,0
40,3 m 9x MH121 + 4x MT12-3A + CL20A	12,0	8,0
37,3 m 8x MH121 + 4x MT12-3A + CL20A	12,0	7,0

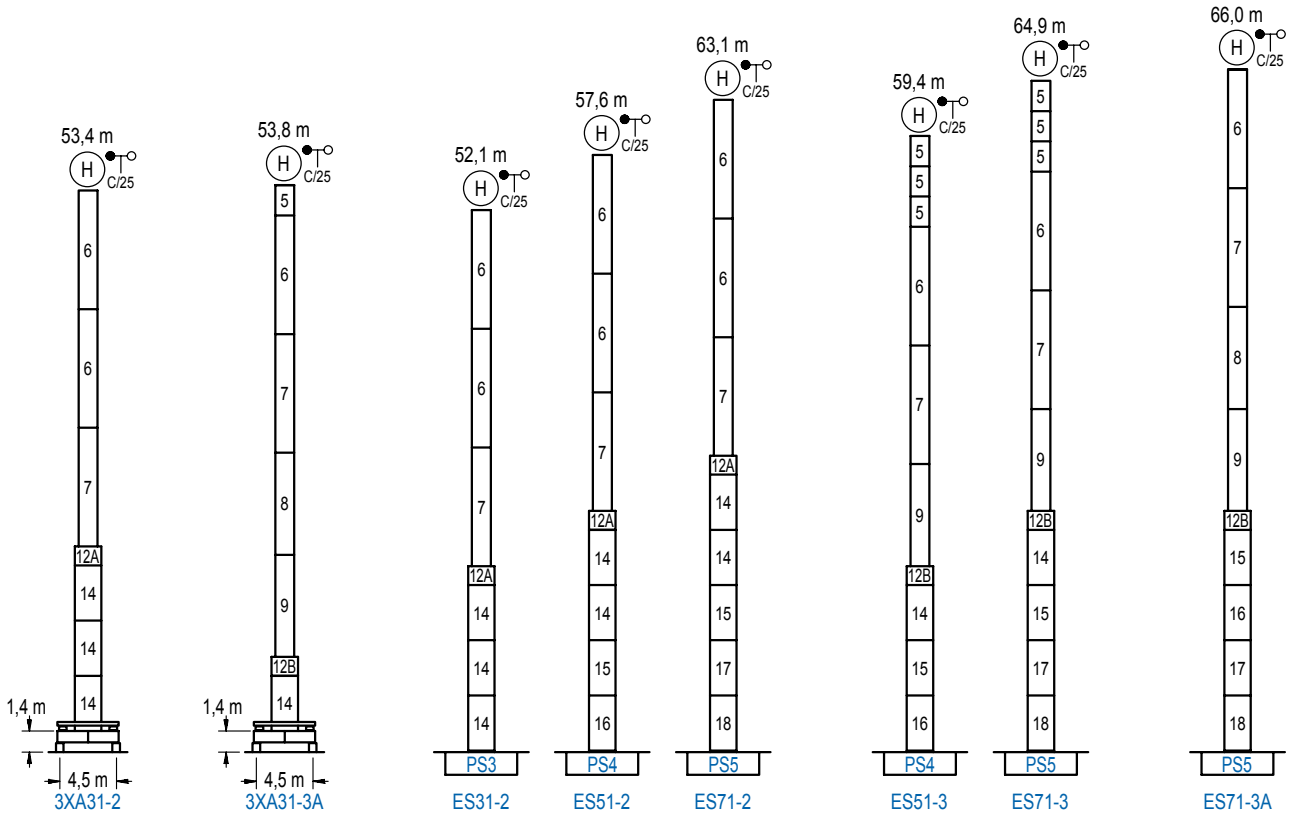


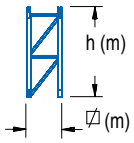
nº	Ref.	⍁	h
5	MH121	1,2	3
10	MT12-3A	1,2	2,9
11	CL20A	1,2	2,6

Otras zonas de viento, alturas superiores, arriostramientos o trepado interno consultar / Other wind zones , additional hook heights, tie frames or internal climbing on request / Autres zones de vent, des hauteurs supplémentaires, entretoisements où grues avec cage de télescopage intérieure, sur demande / Andere Windzonen, weitere Hakenhöhen, Abspannungen zum Gebäude oder Klettern im Gebäude auf Anfrage / Per zone con velocità del vento particolari, altezze superiori, ancoraggi o rampante in cavedio, consultare il fabbricante / При других ветренных зонах, при бóльшой высоте, привязках к зданию или наращивании крана внутри здания проконсультируйтесь с нами

ALTURAS ESPECIALES
Special heights / Spéciaux hauteurs / Extra Höhen / Conformazioni raccordate per altezze speciali / Для специальной высоты

⌀ 1,6 m





nº	Ref.	⌀	h
5	MH121	1,2	3,0
6	MH124-1	1,2	11,8
7	MH124A	1,2	11,8
8	MT123A	1,2	10,1
9	MT123	1,2	10,1
MH124-1 = 4x MH121 - 0,2 m			

nº	Ref.	⌀	h
12A	TMS13/PMH12	1,6	1,0
12B	TMS13/PMH13	1,6	1,0
14	S13	1,6	5,5
15	TS14	1,6	5,5
1x S13 = 1x S13M			

nº	Ref.	⌀	h
16	S14	1,6	5,5
17	TS15	1,6	5,5
18	S15	1,6	5,5
1x S15 = 1x S15M			

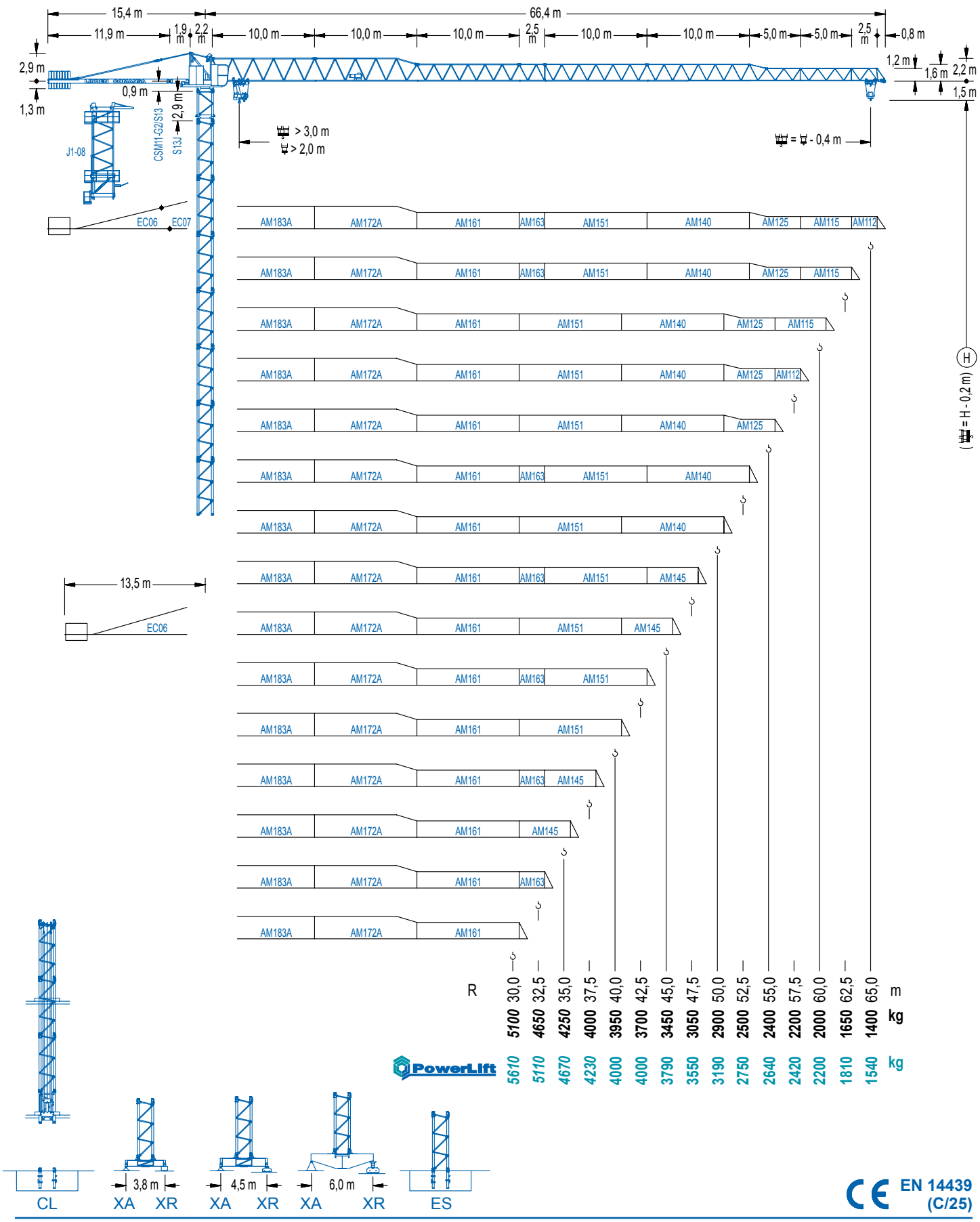
Otras zonas de viento o alturas superiores consultar / Other wind zones or additional hook heights on request / Autres zones de vent ou des hauteurs supplémentaires sur demande / Andere Windzonen oder weitere Hakenhöhen auf Anfrage / Per zone con velocità del vento particolari o altezze superiori consultare il fabbricante / При других ветренных зонах о при бóльшой высоте проконсультируйтесь с нами

LINDEN COMANSA
Construcciones Metálicas COMANSA S. A.
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LINDEN COMANSA

LC 1100 — 11 LC 160 — 8 t



EN 14439 (C/25)

LC 1100

DIAGRAMA DE CARGAS
Load chart / Diagramme de charges / Lastdiagramm / Diagramma di carico / Диаграмма распределения нагрузки

R (m)																							
65,0	13,8	15	20	24,7	26,8	28	30	32,5	35	37,5	40	42,5	45	47,5	50	52,5	55	57,5	60	62,5	65	m
	8000	7250	5160	4000	4000	3800	3520	3210	2950	2730	2530	2350	2200	2060	1940	1830	1730	1630	1550	1470	1400	kg
62,5		15,1	20	23	26,9	29,3	30	32,5	35	37,5	40	42,5	45	47,5	50	52,5	55	57,5	60	62,5	m	
		8000	5720	4850	4000	4000	3890	3560	3270	3020	2810	2620	2450	2300	2160	2040	1930	1830	1740	1650	kg	
60,0		16,8	20	23	25	28	30,1	32,9	35	37,5	40	42,5	45	47,5	50	52,5	55	57,5	60	m		
		8000	6530	5540	5020	4380	4000	4000	3730	3450	3210	2990	2800	2630	2480	2340	2220	2100	2000	kg		
57,5		17,4	20	23	25	28	31,2	34,1	35	37,5	40	42,5	45	47,5	50	52,5	55	57,5	m			
		8000	6800	5780	5240	4570	4000	4000	3890	3600	3350	3120	2930	2750	2590	2450	2320	2200	kg			
55,0		17,9	20	23	25	28	30	32,1	35,1	37,5	40	42,5	45	47,5	50	52,5	55	m				
		8000	7020	5970	5410	4730	4350	4000	4000	3720	3460	3230	3030	2840	2680	2530	2400	kg				
52,5		17,6	20	23	25	28	31,8	34,7	35	37,5	40	42,5	45	47,5	50	52,5	m					
		8000	6920	5880	5330	4660	4000	4000	3970	3670	3410	3190	2990	2810	2650	2500	kg					
50,0		19,0	20	23	25	28	30	32	34,3	37,6	40	42,5	45	47,5	50	m						
		8000	7560	6430	5840	5110	4710	4350	4000	4000	3730	3490	3270	3070	2900	kg						
47,5		18,9	20	23	25	28	30	32	34,0	37,3	40	42,5	45	47,5	m							
		8000	7490	6380	5790	5060	4660	4310	4000	4000	3700	3460	3240	3050	kg							
45,0			19,9	23	25	28	30	32	35,9	39,4	40	42,5	45	m								
			8000	6780	6150	5390	4970	4600	4000	4000	3940	3680	3450	kg								
42,5			20,0	23	25	28	30	32	36,0	39,6	40	42,5	m									
			8000	6810	6180	5410	4990	4620	4000	4000	3960	3700	kg									
40,0			19,9	23	25	28	30	32	35,9	39,6	40	m										
			8000	6780	6160	5390	4970	4600	4000	4000	3950	kg										
37,5			19,9	23	25	28	30	32	35,9	37,5	m											
			8000	6780	6160	5400	4970	4600	4000	4000	kg											
35,0			20,1	23	25	28	30	32	35	m												
			8000	6870	6240	5470	5040	4660	4250	kg												
32,5			20,1	23	25	28	30	32,5	m													
			8000	6870	6240	5460	5040	4650	kg													
30,0			20,1	23	25	28	30	m														
			8000	6840	6210	5440	5100	kg														

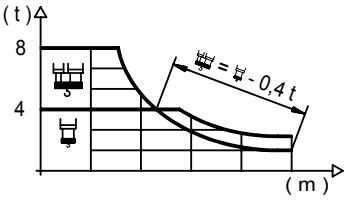
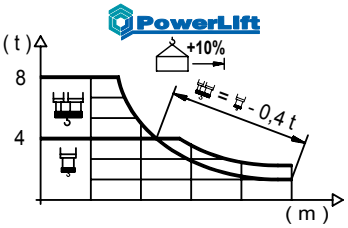
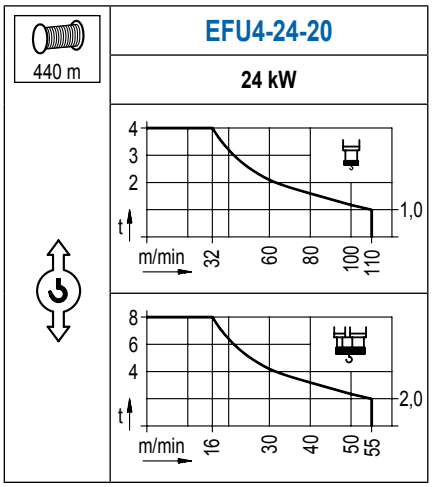


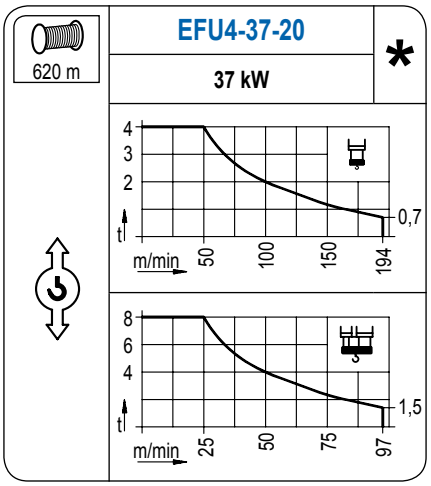
DIAGRAMA DE CARGAS POWERLIFT
Load chart PowerLift / Diagramme de charges PowerLift / Lastdiagramm PowerLift / Diagramma di carico PowerLift / Диаграмма распределения нагрузки PowerLift

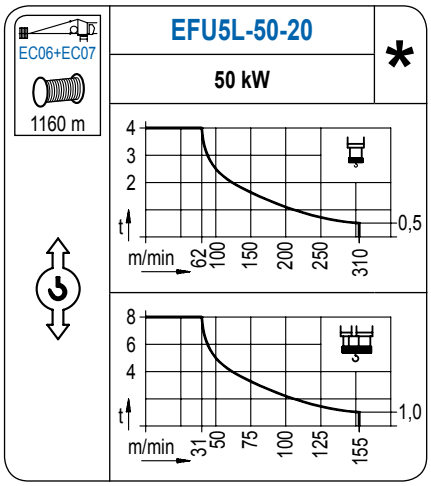
R (m)																							
65,0	14,5	18	20	23	26,0	28,8	30	32,5	35	37,5	40	42,5	45	47,5	50	52,5	55	57,5	60	62,5	65	m	
	8000	6220	5500	4650	4000	4000	3830	3500	3210	2970	2760	2570	2400	2260	2120	2000	1890	1790	1700	1620	1540	kg	
62,5	15,8	18	20	23	25	28,5	31,6	32,5	35	37,5	40	42,5	45	47,5	50	52,5	55	57,5	60	62,5	m		
	8000	6900	6110	5180	4680	4000	4000	3870	3561	3294	3060	2855	2673	2510	2364	2232	2112	2002	1902	1810	kg		
60,0		17,8	20	23	25	28	30	32,1	35,6	37,5	40	42,5	45	47,5	50	52,5	55	57,5	60,0	m			
		8000	7010	5960	5410	4720	4350	4000	4000	3770	3510	3278	3072	2887	2722	2573	2437	2313	2200	kg			
57,5		18,5	20	23	25	28	30	33,4	37,0	37,5	40	42,5	45	47,5	50	52,5	55	57,5	m				
		8000	7320	6230	5650	4940	4550	4000	4000	3940	3664	3423	3208	3017	2845	2690	2549	2420	kg				
55,0		19,1	20	23	25	28	30	32,5	34,4	38,1	40	42,5	45	47,5	50	52,5	55,0	m					
		8000	7580	6450	5850	5120	4720	4280	4000	4000	3790	3541	3320	3123	2946	2785	2640	kg					
52,5		18,9	20	23	25	28	30	32,5	34,0	37,7	40	42,5	45	47,5	50	52,5	m						
		8000	7480	6370	5780	5050	4660	4230	4000	4000	3743	3497	3279	3084	2908	2750	kg						
50,0			20,4	23	25	28	30	32,5	35	36,9	40,9	42,5	45	47,5	50,0	m							
			8000	6980	6340	5560	5120	4660	4260	4000	4000	3829	3592	3380	3190	kg							
47,5			20,3	23	25	28	30	32,5	35	36,5	40,5	42,5	45	47,5	m								
			8000	6920	6280	5500	5070	4610	4220	4000	4000	3795	3560	3350	kg								
45,0			21,4	23	25	28	30	32,5	35	37,5	38,6	42,9	45,0	m									
			8000	7360	6690	5870	5420	4930	4510	4150	4000	4000	3790	kg									
42,5			21,5	23	25	28	30	32,5	35	37,5	38,9	42,5	m										
			8000	7420	6740	5910	5460	4960	4540	4180	4000	4000	kg										
40,0			21,5	23	25	28	30	32,5	35	39,6	40,0	m											
			8000	7390	6720	5890	5440	4940	4530	4000	4000	kg											
37,5			21,5	23	25	28	30	32,5	35	37,1	m												
			8000	7400	6730	5900	5440	4950	4530	4230	kg												
35,0			21,8	23	25	28	30	32,5	34,6	m													
			8000	7510	6820	5990	5520	5030	4670	kg													
32,5			21,8	23	25	28	30	32,1	m														
			8000	7510	6830	5990	5530	5110	kg														
30,0			21,7	23	25	28	29,6	m															
			8000	7500	6820	5980	5610	kg															



MECANISMOS
Mechanisms / Mécanismes / Antriebe / Meccanismi / Механизмы







MECANISMOS
Mechanisms / Mécanismes / Antriebe / Meccanismi / Механизмы

CFU-4.0
4 kW
0 ⇨ 90 m/min

GFU-5.5
2x 5,5 kW
0 ⇨ 0,7 rpm

TS2-5.5	TRA-7.5
2x 55 Nm	2x 75 Nm
20 m/min	
1XR31 3XR51	5XR71

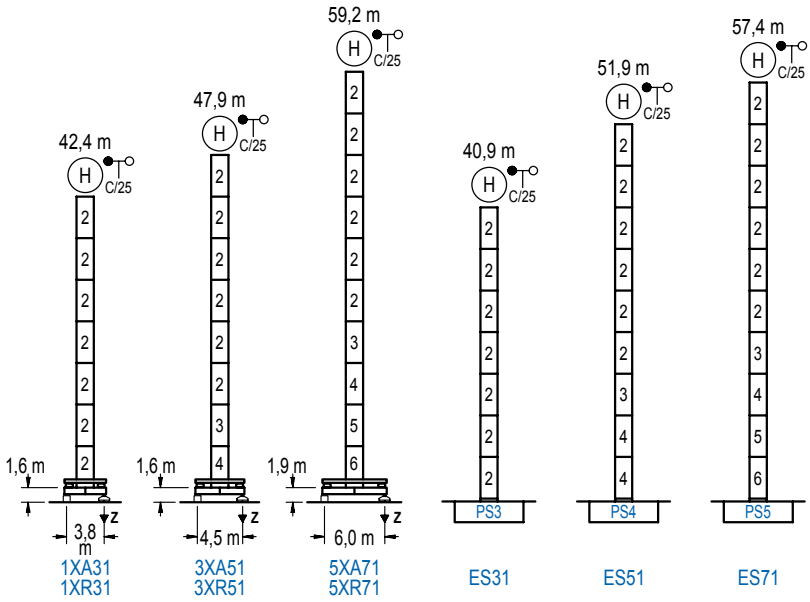
TRA-7.5VC *
2x 75 Nm
20 m/min
5XR71

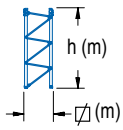
POTENCIA / POWER / PUISSANCE / LEISTUNG / POTENZA / МОЩЬНОСТЬ				Tensión de alimentación / Operating voltage / Tension de service / Betriebsspannung / Tensione di alimentazione / Напряжение источника питания	Generador / Generator / Générateur / Generator / Generatore / Генератор
Elevación / Hoist / Levage / Hub / Sollevamento / Тип механизма (подъем)	Carro / Trolley / Chariot / Laufkatze / Carrelo / Грузовая тележка	Giro / Slewing / Rotation / Drehbewegung / Rotazione / Поворот	Traslación / Travel / Translation / Verfahrbewegung / Traslazione / Ход		
EFU4-24-20	CFU-4.0	(2x) GFU-5.5	(2x) TS2-5.5 (2x) TRA-7.5	400 V 3ph 50 Hz	75 kVA
EFU4-37-20					105 kVA
EFU5L-50-20					125 kVA

Opcional / Optional / En option / Kaufoption / Opzionale / Опционально
*

ALTURAS BAJO GANCHO
Heights under hook / Hauteurs sous crochet / Hakenhöhen / Altezza sotto gancio / Высота под крюком

⌀ 1,6 m



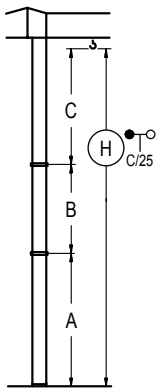


nº	Ref.	⌀	h
2	S13	1,6	5,5
3	TS14	1,6	5,5
4	S14	1,6	5,5
5	TS15	1,6	5,5
6	S15	1,6	5,5

1x S13 = 1x S13M
1x S15 = 1x S15M

Z máx.		
	En servicio / In operation / En service / In Betrieb / In servizio / При работе	1XR31..... 73 t 3XR51..... 71 t 5XR71..... 77 t
	Fuera de servicio / Out of service / Hors service / Ausser Betrieb / Fuori servizio / В стационарном состоянии	1XR31..... 71 t 3XR51..... 78 t 5XR71..... 110 t

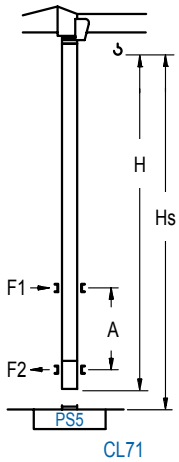
GRÚA ARRIOSTRADA
Braced crane / Grue à entretoisement / Abgespannter Kran / Gru ancorata / Наращиваемый кран



	1XA31		3XA51		5XA71	
A max	29,1		34,6		45,9	
A min	18,1		18,1		29,4	
B max	-	22,0	-	22,0	-	22,0
B min		16,5		16,5		16,5
C max	35,3	35,3	35,3	35,3	35,3	35,3
H max	64,4	86,4	69,9	91,9	81,2	103,2

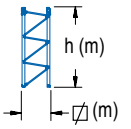
	ES31		ES51		ES71	
A max	27,6		38,6		44,1	
A min	16,6		22,1		27,6	
B max	-	22,0	-	22,0	-	22,0
B min		16,5		16,5		16,5
C max	35,3	35,3	35,3	35,3	35,3	35,3
H max	62,9	84,9	73,9	95,9	79,4	101,4

GRÚA TREPADORA
Internal climbing crane / Grue avec cage de télescopage intérieure / Kran mit klettern im Gebäude / Gru in rampante in cavedio / Кран с самоподъемом



CL71

H C/25	Hs < 400 m	
	A max (m)	A min (m)
43,9 m S13J + 5x S13 + TS14 + TS15 + CLS15-1	16,8	11,0
38,4 m S13J + 4x S13 + TS14 + TS15 + CLS15-1	14,1	9,0
32,9 m S13J + 3x S13 + TS14 + TS15 + CLS15-1	11,4	7,0



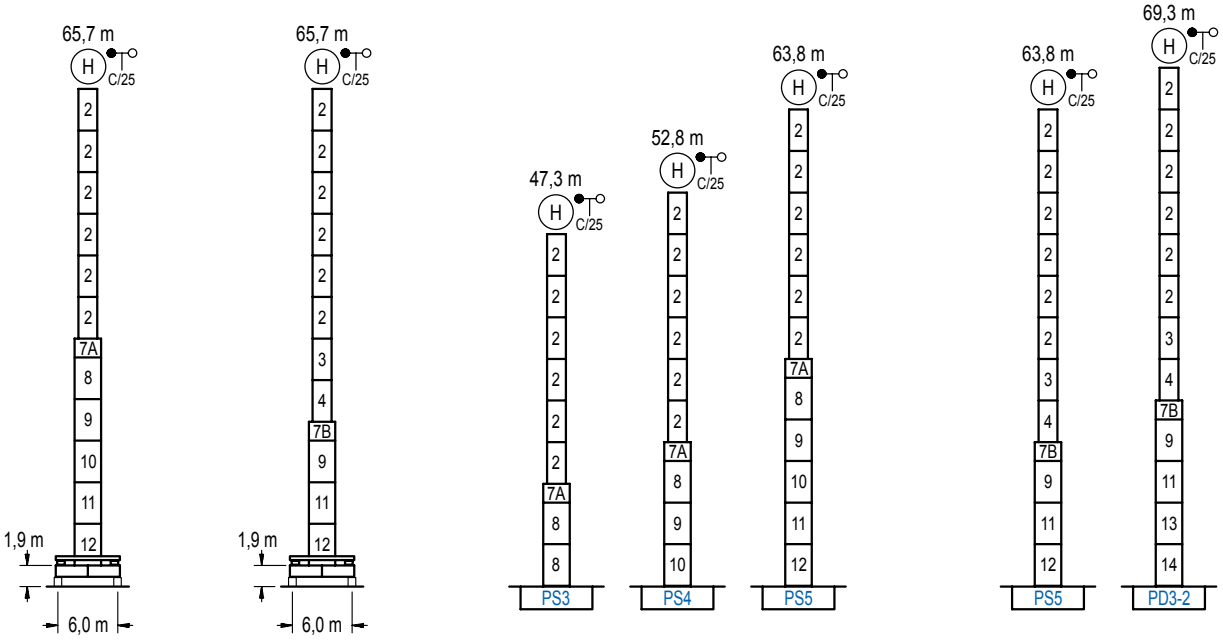
nº	Ref.	⌀	h
2	S13	1,6	5,5
3	TS14	1,6	5,5
5	TS15	1,6	5,5
23	CLS15-1	1,6	3,1

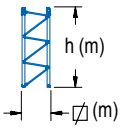
1x S13 = 1x S13M

Otras zonas de viento, alturas superiores, arriostramientos o trepado interno consultar / Other wind zones , additional hook heights, tie frames or internal climbing on request / Autres zones de vent, des hauteurs supplémentaires, entretoisements où grues avec cage de télescopage intérieure, sur demande / Andere Windzonen, weitere Hakenhöhen, Abspannungen zum Gebäude oder Klettern im Gebäude auf Anfrage / Per zone con velocità del vento particolari, altezze superiori, ancoraggi o rampante in cavedio, consultare il fabbricante / При других ветренных зонах, при бóльшой высоте, привязках к зданию или наращивании крана внутри здания проконсультируйтесь с нами

ALTURAS ESPECIALES
Special heights / Spéciaux hauteurs / Extra Höhen / Conformazioni raccordate per altezze speciali / Для специальной высоты

⌀ 2,0 m





nº	Ref.	⌀	h
2	S13	1,6	5,5
3	TS14	1,6	5,5
4	S14	1,6	5,5
5	TS15	1,6	5,5
6	S15	1,6	5,5

1x S13 = 1x S13M
1x S15 = 1x S15M

nº	Ref.	⌀	h
7A	TMS23/PMS3	2,0	1,0
7B	TMS23/PMS4	2,0	1,0
8	S23	2,0	5,5
9	TS24	2,0	5,5
10	S24	2,0	5,5

nº	Ref.	⌀	h
11	TS25	2,0	5,5
12	S25	2,0	5,5
13	TD23A	2,0	5,5
14	D23	2,0	5,5

1x S25 = 1x S25M

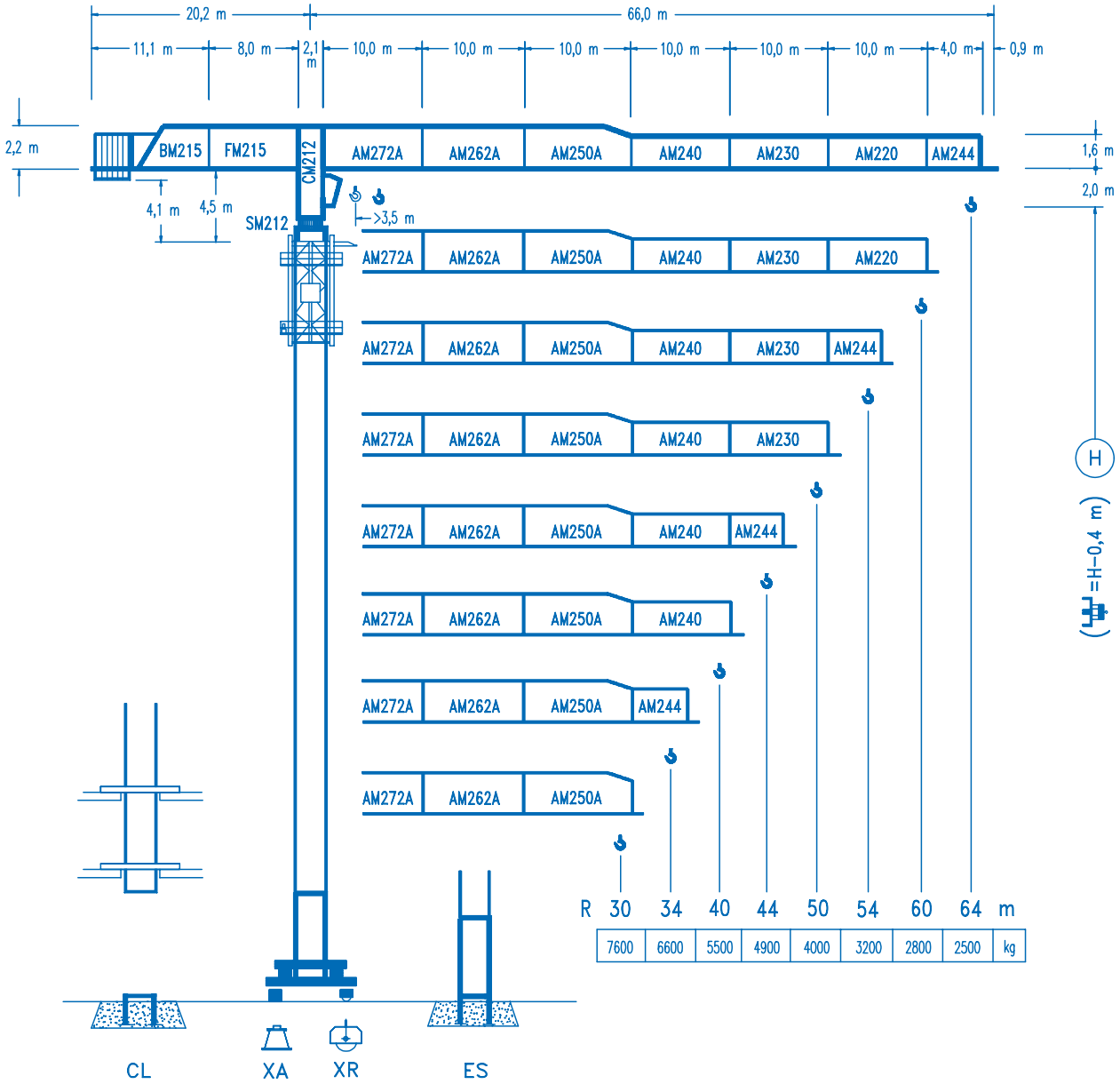
Otras zonas de viento o alturas superiores consultar / Other wind zones or additional hook heights on request / Autres zones de vent ou des hauteurs supplémentaires sur demande / Andere Windzonen oder weitere Hakenhöhen auf Anfrage / Per zone con velocità del vento particolari o altezze superiori consultare il fabbricante / При других ветренных зонах о при бóльшой высоте проконсультируйтесь с нами

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Reserva de modificaciones. Subject to modifications. Modifications reservées. Konstruktionsänderungen vorbehalten. Il Fabbricante si riserva la facoltà di apportare modifiche. Возможны изменения.

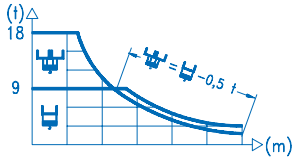
COMANSA

LINDEN 2100 — 21 LC 210 — 18 t

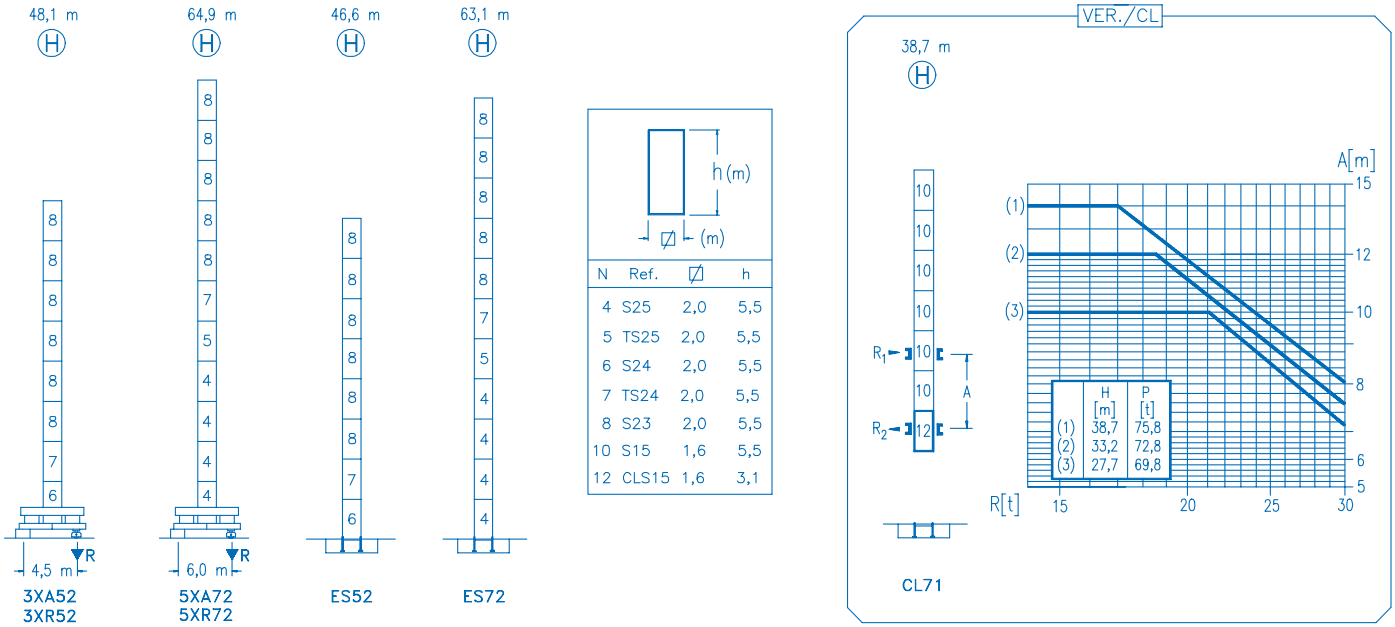


CE
DIN 15018 H1 B3

R														
64	11,7	15	21,0	21,1	25	30	34	40	44	50	54	60	64	m
	18000	**13455**	**9000**	**9000**	**7460**	**6075**	**5270**	**4375**	**3920**	**3370**	**3075**	**2705**	**2500**	**kg**
60	11,9	15	21,5	21,7	25	30	34	40	44	50	54	60	m	
	18000	**13760**	**9000**	**9000**	**7690**	**6265**	**5440**	**4520**	**4045**	**3485**	**3180**	**2800**	**kg**	
54	11,9	15	21,4	21,8	25	30	34	40	44	50	54	m		
	18000	**13710**	**9000**	**9000**	**7735**	**6305**	**5475**	**4545**	**4070**	**3505**	**3200**	**kg**		
50	13,1	15	20	23,6	24,4	30	34	40	44	50	m			
	18000	**15330**	**10940**	**9000**	**9000**	**7140**	**6205**	**5165**	**4635**	**4000**	**kg**			
44	13,6	15	20	24,5	25,6	30	34	40	44	m				
	18000	**15995**	**11430**	**9000**	**9000**	**7535**	**6555**	**5460**	**4900**	**kg**				
40	13,6	15	20	24,5	25,7	30	34	40	m					
	18000	**16005**	**11440**	**9000**	**9000**	**7590**	**6600**	**5500**	**kg**					
34	13,4	15	20	24,3	25,7	30	34	m						
	18000	**15840**	**11315**	**9000**	**9000**	**7585**	**6600**	**kg**						
30	13,4	15	20	24,1	25,8	30	m							
	18000	**15745**	**11245**	**9000**	**9000**	**7600**	**kg**							



 Reserva de modificaciones.- Subject to modifications.- Modifications reservèes.- Konstruktionsänderungen vorbehalten.



R. máx.	En servicio In operation En service In Betrieb	3XR52 ..... 90,1 t 5XR72 ..... 95,7 t

R. máx.	Fuera de servicio Out of service Hors service Ausser Betrieb	3XR52 ..... 94,4 t 5XR72 ..... 134,0 t

CFU-7.5
7,5 kW
0 ⇨ 94 m/min

GR-12
2 x 120 Nm
0 ⇨ 0,7 rpm

TRA-7.5
2 x 75 Nm
0 ⇨ 20 m/min

*
TRA-7.5VC
2 x 75 Nm
0 ⇨ 20 m/min
5XR72

545 m
EFU4-45-45
45 kW

620 m
EFU4-65-45 *
65 kW

790 m
EFU4-110-45 *
110 kW

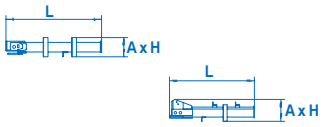
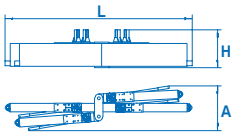
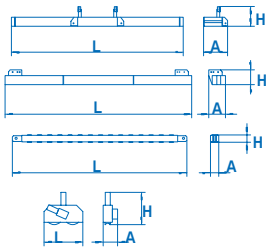
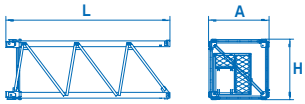
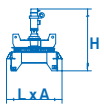
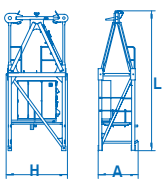
Tensión de alimentación Operating voltage Tension de service Betriebsspannung	400 V 3 ph 50 Hz

Opcional Optional En option Kaufoption	*

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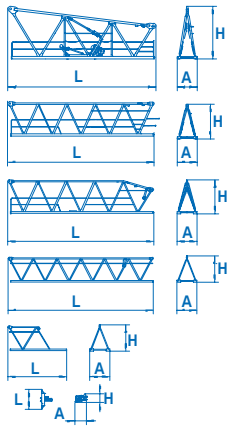
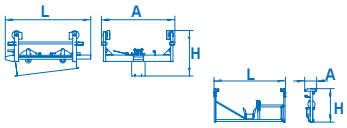
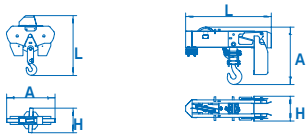
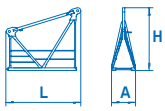
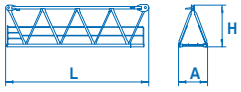
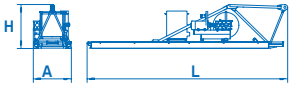
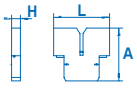
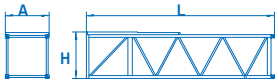
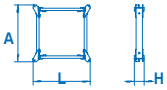
LINDEN 2100

Designación / Designation / Designation / Benennung		Código / Code / Code / Code	Dimensiones / Measurements / Dimensions / Abmessungen [m] L	A	H	Peso / Weight / Poids / Gewicht [kg]
Pie de empotramiento Fixing angles Pattes de scellement Fundamentanker		PS4	1,98	0,40	0,40	(4x) 190
		PS5	1,98	0,40	0,40	(4x) 220
		PD3-2	2,10	0,48	0,48	(4x) 275
		PD4-2	2,10	0,48	0,48	(4x) 325
Base en cruz Cross-base Base en croix Kreuzrahmen		X3	6,55	1,00	1,55	6400
		acc. trasl.	6,55	1,00	1,55	8000
		X5	9,00	1,80	2,00	11000
		acc. trasl.	9,00	1,80	2,00	17000
Base en "H" "H"-base Base en "H" Unterwagen		"H"	10,32	1,72	1,43	(2x) 3950
		Testera	11,61	1,28	1,05	(2x) 5250
		Puntal	8,05	0,51	0,42	(4x) 1850
		Diagonal	4,70	0,34	0,42	(4x) 710
		Oreja	0,85	0,36	0,51	(4x) 165
		Trasl. M.	1,70	0,68	1,44	(2x) 1350
		Trasl. L.	1,70	0,48	1,44	(2x) 1050
Lastre Base ballast Lest de base Ballast		5400 kg	4,50	1,00	0,50	5400
		6750 kg	6,25	1,50	0,60	6750
		5620 kg	6,51	0,60	0,60	5620
Tramo de torre Mast section Element de tour Turmmodul		S22	5,75	2,10	2,10	2175
		S23	5,75	2,10	2,10	2560
		TS24	5,75	2,10	2,10	2950
		S24	5,75	2,10	2,10	2950
		TS25	5,75	2,10	2,10	3325
		S25	5,75	2,10	2,10	3325
		TD23A	5,75	2,10	2,10	4125
		D23	5,85	2,10	2,10	4175
		S35	5,75	2,60	2,60	3700
		TD33A	5,75	2,60	2,60	4320
		D33	5,85	2,60	2,60	4400
		TD34	5,85	2,60	2,60	5000
		D34	5,85	2,60	2,60	5000
		BD34	7,63	2,60	2,60	7300
Parte giratoria Slewing part Partie giratoire Drehbare Bühne		SM212	2,46	2,32	2,40	4700
		SM215	2,46	2,35	2,50	6600
		SM218/D23	2,46	2,35	2,50	7100
		SM218/S35	3,05	3,05	3,15	8900
		SM219	3,02	3,02	3,17	10900
Cúspide Cat head Tete de tour Turmspitze		CM212	5,45	1,60	2,47	2400
		CM215	5,47	1,60	2,50	3050
		CM218	6,70	1,60	2,50	4150
		CM219	6,70	1,60	2,56	5300
		plat. cab.	2,95	1,70	0,35	260
		cab.	1,75	1,40	2,30	550

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COMANSA

LINDEN 2100

Designación / Designation / Designation / Benennung		Código / Code / Code / Code	Dimensiones / Measurements / Dimensions / Abmessungen [m] L	A	H	Peso / Weight / Poids / Gewicht [kg]
Tramo de pluma Jib section Element de fleche Auslegermodul		AM299	10,42	1,40	3,83	7100
		AM298	10,40	1,40	3,70	5500
		AM282A	10,35	1,40	2,48	4850
		AM272A	10,30	1,40	2,43	4300
		AM262A	10,27	1,40	2,41	3600
		AM250A	10,25	1,40	2,38	2700
		AM240	10,24	1,40	1,76	1710
		AM244	4,17	1,40	1,74	300
		AM230	10,22	1,40	1,74	1310
		AM220	10,10	1,40	1,71	930
		AM210	10,18	1,40	1,71	600
		JE211	0,81	1,40	0,61	95
Carro Trolley Chariot Laufkatze		TLC09	1,91	1,65	1,02	250
		TALC18	1,11	1,65	1,30	120
		TACJ	1,49	0,69	0,27	25
		TACT	1,49	0,69	0,27	25
Gancho Hook Crochet Haken		GA09.0	1,39	1,12	0,57	290
		GA18,0	1,99	1,29	0,28	540
Tramo de contrapluma Counterjib section Element de contrefleche Gegenauslegermodul		FM218	4,36	1,40	3,67	1880
		FM215	8,36	1,73	2,47	3270
		BM215	11,53	2,20	2,57	7500
		EFU2-37-30	1,65	2,16	1,27	2300
		EFU4-45-30	2,67	2,14	1,27	3400
		EFU4-65-30	2,82	2,17	1,75	4800
		EFU4-110-30	3,44	2,23	1,75	6000
		EFU4-45-45	2,67	2,14	1,27	3400
		EFU4-65-45	2,67	2,16	1,73	4200
		EFU4-110-45	3,44	2,23	1,75	6000
Contrapeso Counterweight Contrepoids Gegengewicht Block		4000 kg	2,32	2,45	0,40	4000
		2000 kg	1,17	2,45	0,40	2000
		1000 kg	0,72	2,45	0,40	1000
Tramo trepador Climbing section Element de telescopage Klettermodul		J3	9,20	2,50	2,80	8000
		J4	9,50	3,30	3,04	12000
Marco arriostramiento Tie frame Cadre Abspannrahmen		MA02	2,79	2,79	0,45	950
		MA05	3,10	3,10	0,60	1500

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