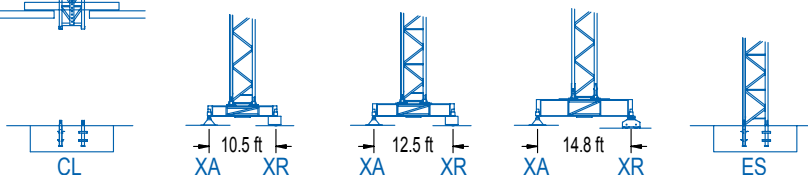
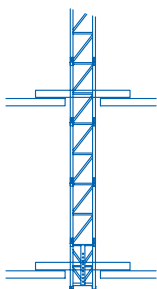


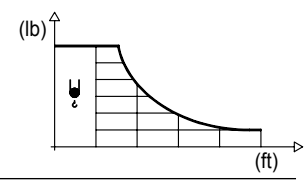
R	65.6	73.8	82.0	90.2	98.4	106.6	114.8	123.0	131.2
ft	4,410	4,410	4,410	4,410	4,410	3,310	2,870	2,430	2,200
lb	4,410	4,410	4,410	4,410	3,880	3,640	3,150	2,670	2,430
lb	5,510	4,740	4,190	3,640	3,310	3,090	2,650	2,200	1,980
lb	5,510	4,740	4,190	3,990	3,640	3,400	2,910	2,430	2,180
lb	5,510	4,740	4,190	3,990	3,640	3,400	2,910	2,430	2,180



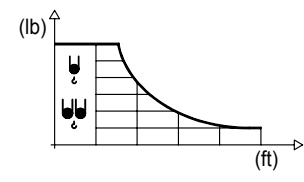
### DIAGRAMA DE CARGAS

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

R (ft)	ψ	RCmax (ft)	32.8	41.0	49.2	57.4	65.6	73.8	82.0	90.2	98.4	106.6	114.8	123.0	131.2	↔ (ft) ↓ (lb)
131.2		73.2					4,410	4,370	3,860	3,460	3,130	2,840	2,600	2,380	2,200	
123.0		74.1						4,410	3,920	3,510	3,170	2,890	2,650	2,430		
114.8		79.4						4,410	4,250	3,810	3,440	3,130	2,870			
106.6		83.0							4,410	4,010	3,640	3,310				
98.4		81.0						4,410	4,340	3,900	3,530					
90.2		80.4						4,410	4,300	3,860						
82.0		82.0						0	4,410							
73.8		73.8						4,410								
65.6		65.6					4,410									



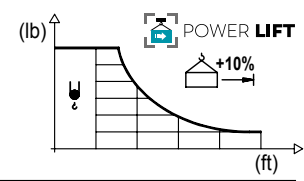
R (ft)	ψ/ψψ	RCmax (ft)	32.8	41.0	49.2	57.4	65.6	73.8	82.0	90.2	98.4	106.6	114.8	123.0	131.2	↔ (ft) ↓ (lb)
131.2		39.4	8,820	8,420	6,810	5,690	4,850	4,210	3,680	3,280	2,930	2,650	2,380	2,180	1,980	
123.0		39.7	8,820	8,530	6,900	5,750	4,920	4,250	3,750	3,330	2,980	2,670	2,430	2,200		
114.8		42.3		8,820	7,430	6,220	5,310	4,610	4,060	3,620	3,240	2,910	2,650			
106.6		44.3		8,820	7,830	6,550	5,600	4,850	4,280	3,810	3,420	3,090				
98.4		43.3		8,820	7,610	6,350	5,420	4,720	4,140	3,680	3,310					
90.2		42.7		8,820	7,500	6,260	5,360	4,650	4,100	3,640						
82.0		43.6		8,820	7,670	6,420	5,470	4,760	4,190							
73.8		43.3		8,820	7,630	6,390	5,450	4,740								
65.6		44.0		8,820	7,720	6,440	5,510									



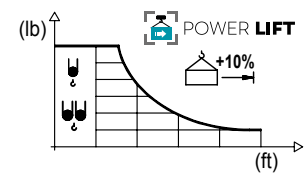
### DIAGRAMA DE CARGAS POWERLIFT

Load chart PowerLift / Diagramme de charges PowerLift / Lastdiagramm PowerLift / Diagramma di carico PowerLift / Диаграмма распределения нагрузки PowerLift

R (ft)	ψ	RCmax (ft)	32.8	41.0	49.2	57.4	65.6	73.8	82.0	90.2	98.4	106.6	114.8	123.0	131.2	↔ (ft) ↓ (lb)
131.2		79.0						4,410	4,230	3,790	3,420	3,110	2,840	2,620	2,430	
123.0		80.1						4,410	4,300	3,840	3,480	3,170	2,890	2,670		
114.8		85.9							4,410	4,170	3,770	3,440	3,150			
106.6		90.2								4,410	3,990	3,640				
98.4		88.0							4,410	4,280	3,880					
90.2		87.0							4,410	4,230						
82.0		82.0							4,410							
73.8		73.8						4,410								
65.6		65.6					4,410									



R (ft)	ψ/ψψ	RCmax (ft)	32.8	41.0	49.2	57.4	65.6	73.8	82.0	90.2	98.4	106.6	114.8	123.0	131.2	↔ (ft) ↓ (lb)
131.2		42.1	8,820	7,360	6,150	5,250	4,560	4,010	3,570	3,200	2,890	2,620	2,380	2,180		
123.0		42.6	8,820	7,470	6,240	5,340	4,630	4,080	3,620	3,240	2,930	2,670	2,430			
114.8		45.6	8,820	8,070	6,750	5,780	5,030	4,430	3,950	3,550	3,200	2,910				
106.6		47.7	8,820	8,510	7,120	6,110	5,310	4,670	4,170	3,750	3,400					
98.4		46.6	8,820	8,270	6,920	5,930	5,160	4,540	4,060	3,640						
90.2		46.0	8,820	8,160	6,830	5,840	5,090	4,480	3,990							
82.0		47.0	8,820	8,380	7,010	6,000	5,220	4,610								
73.8		46.9	8,820	8,330	6,990	5,970	5,200									
65.6		47.4	8,820	8,470	7,080	6,060										



### 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**

ft/min	lb
98	4,410
131	3,310
197	2,200
243	1,760

ft/min	lb
49	8,820
68	6,610
88	4,410
121	3,530

**EFU2-18-10**  
820 ft  
**24 hp**

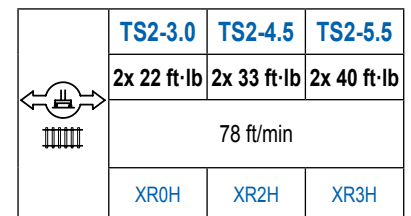
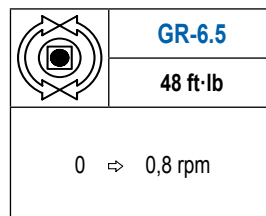
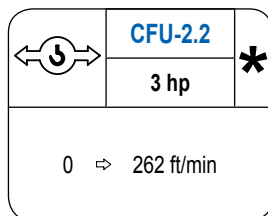
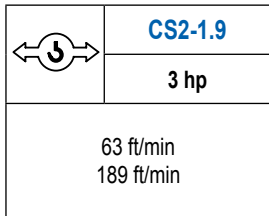
ft/min	lb
177	4,410
197	3,310
230	2,200
262	1,760
302	1,760

ft/min	lb
88	8,820
115	6,610
131	4,410
151	3,530

## MECANISMOS

Mechanisms / Mécanismes / Antriebe / Meccanismi / Механизмы



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 / 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	480 V 3ph 60 Hz	90 kVA 107 kVA 48 kVA 60 kVA
ES3-13-10	CS2-1.9	GR-6.5	(2x) TS2-3.0		
ES3-18-10			(2x) TS2-4.5		
EFU2-11-10	CFU-2.2		(2x) TS2-5.5		
EFU2-18-10					

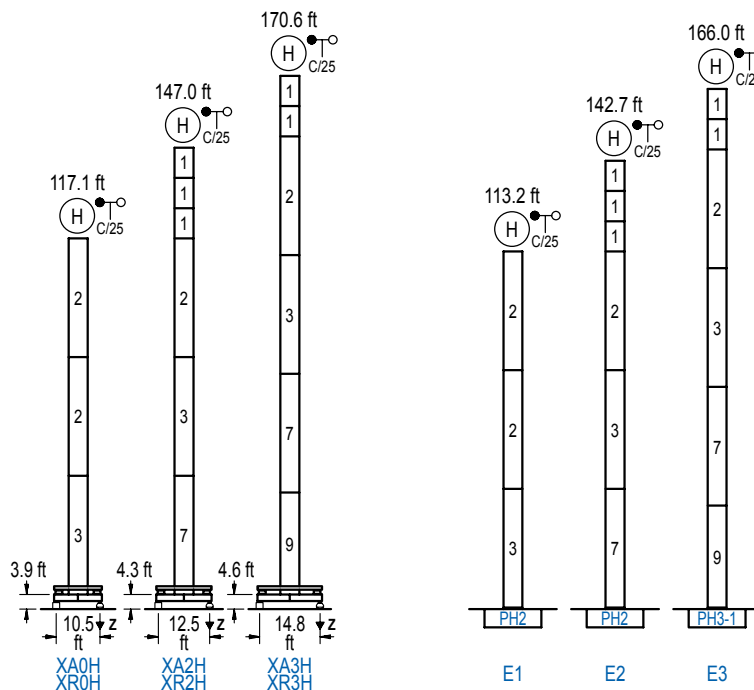
Opcional / Optional / En option / Kaufoption / Opzionale / Опционально

**\***

## ALTURAS BAJO GANCHO

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

∅ 3.9 ft



n°	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

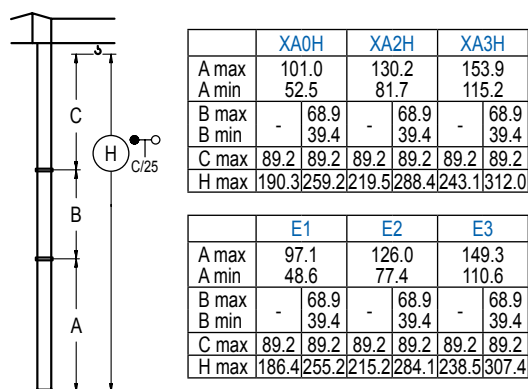
MH114 = 4x MH111 - 0.7 ft

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

Z máx.	En servicio / In operation / En service / In Betrieb / In servizio / При работе	XR0H..... 84 kip XR2H..... 95 kip XR3H... 104 kip
	Fuera de servicio / Out of service / Hors service / Ausser Betrieb / Fuori servizio / В стационарном состоянии	XR0H... 106 kip XR2H... 148 kip XR3H... 170 kip

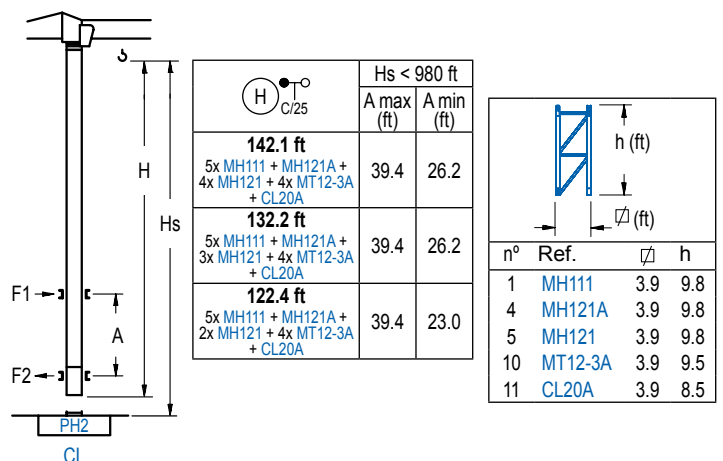
## GRÚA ARRIOSTRADA

Braced crane / Grue à entretoisement / Abgespannter Kran / Gru ancorata / Нарастиваемый кран

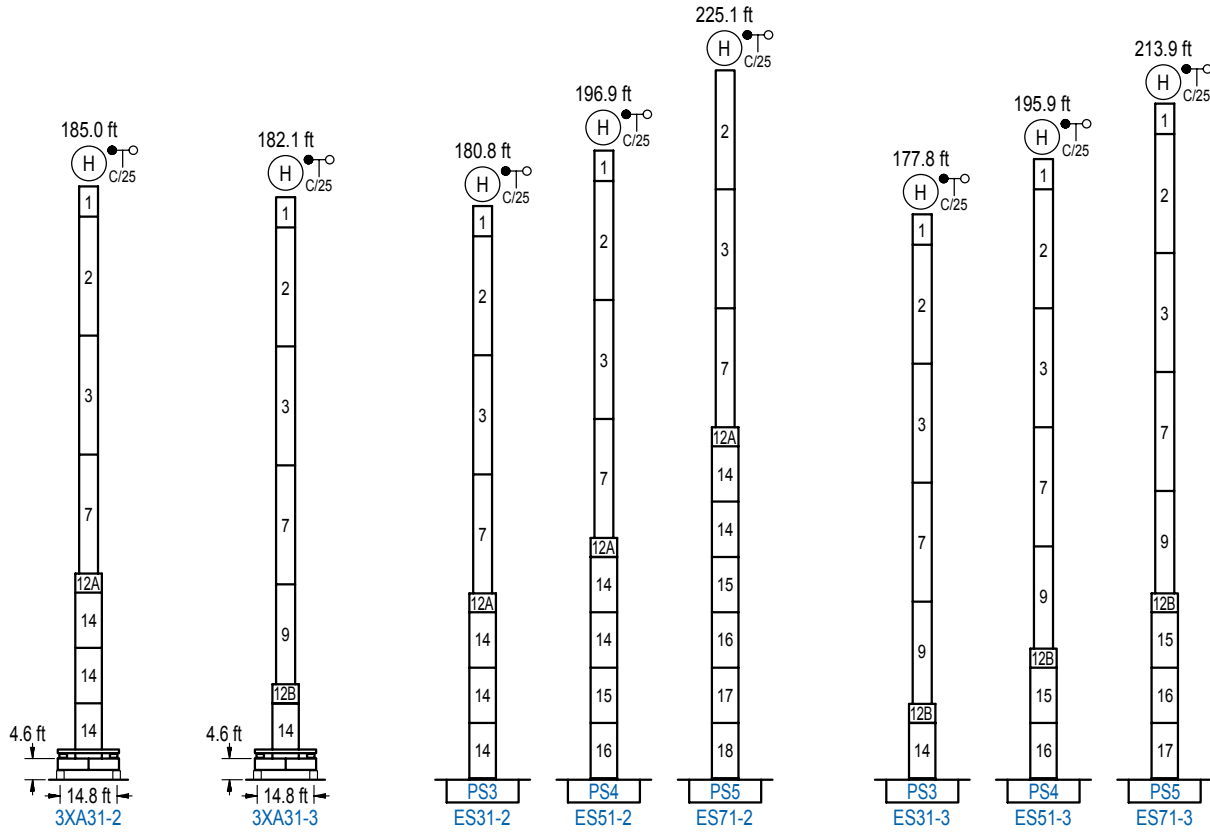


## GRÚA TREPADORA

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



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 ou 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 большой высоте, привязках к зданию или наращивании крана внутри здания проконсультируйтесь с нами



n°	Ref.	∅	h	n°	Ref.	∅	h	n°	Ref.	∅	h
1	MH111	3.9	9.8	12A	TMS13/PMH12	5.2	3.3	16	S14	5.2	18.0
2	MH114	3.9	38.7	12B	TMS13/PMH13	5.2	3.3	17	TS15	5.2	18.0
3	MH114A	3.9	38.7	14	S13	5.2	18.0	18	S15	5.2	18.0
7	MH124A	3.9	38.7	15	TS14	5.2	18.0				
9	MT123	3.9	33.1								
MH114 = 4x MH111 - 0.7 ft				1x S13 = 1x S13M				1x S15 = 1x S15M			