
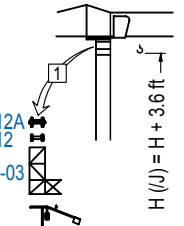


\*  L

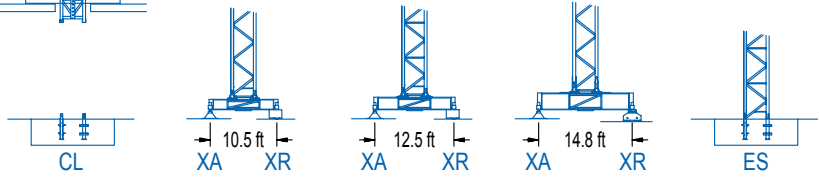
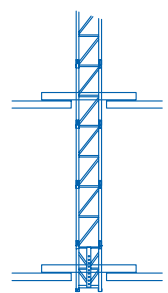
AM5-50 = AM5-55T + AM5-55D  
 AM5-30 = AM5-35T + AM5-35D

\*  H (U) = H + 3.6 ft

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

(H) H (U) = H + 1.6 ft

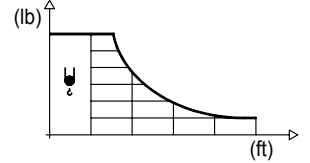
R	65.6	73.8	82.0	90.2	98.4	106.6	114.8	123.0	131.2	139.4	147.6	ft
POWER LIFT	4,410	4,410	4,410	4,410	4,410	4,370	3,880	3,640	3,020	2,670	2,430	lb
POWER LIFT	7,280	6,310	5,820	5,200	4,610	4,120	3,640	3,400	2,780	2,430	2,180	lb
	6,610	5,730	5,290	4,740	4,190	3,750	3,310	3,090	2,540	2,200	1,980	lb
	4,410	4,410	4,410	4,410	4,410	3,970	3,530	3,310	2,760	2,430	2,430	lb
	6,610	5,730	5,290	4,740	4,190	3,750	3,310	3,090	2,540	2,200	1,980	lb



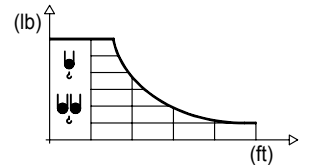
### DIAGRAMA DE CARGAS

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

R (ft)	ψ	RC <sub>max</sub> (ft)	41.0	49.2	57.4	65.6	73.8	82.0	90.2	98.4	106.6	114.8	123.0	131.2	139.4	147.6	↔ (ft) ↓ (lb)
147.6		82.0						4,410	3,970	3,570	3,260	3,000	2,760	2,540	2,360	2,200	
139.4		84.0						4,410	4,060	3,660	3,350	3,060	2,820	2,600	2,430		
131.2		87.6						4,410	4,280	3,860	3,530	3,220	2,980	2,760			
123.0		95.8							4,410	4,280	3,900	3,590	3,310				
114.8		94.5							4,410	4,210	3,840	3,530					
106.6		97.1							4,410	4,340	3,970						
98.4		98.4							4,410	4,410							
90.2		90.2							4,410								
82.0		82.0						4,410									
73.8		73.8					4,410										
65.6		65.6				4,410											



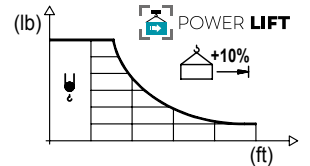
R (ft)	ψ/ψ <sub>ψ</sub>	RC <sub>max</sub> (ft)	41.0	49.2	57.4	65.6	73.8	82.0	90.2	98.4	106.6	114.8	123.0	131.2	139.4	147.6	↔ (ft) ↓ (lb)
147.6		44.3	8,820	7,780	6,500	5,580	4,850	4,250	3,790	3,400	3,060	2,800	2,560	2,340	2,160	1,980	
139.4		44.9	8,820	7,960	6,660	5,690	4,940	4,370	3,880	3,480	3,150	2,870	2,600	2,400	2,200		
131.2		46.9	8,820	8,330	6,990	5,970	5,200	4,590	4,080	3,660	3,310	3,020	2,760	2,540			
123.0		50.9	8,820	7,690	6,590	5,750	5,070	4,520	4,080	3,700	3,370	3,090					
114.8		50.2	8,820	7,560	6,480	5,640	4,980	4,450	4,010	3,640	3,310						
106.6		51.5	8,820	7,780	6,680	5,820	5,140	4,590	4,140	3,750							
98.4		52.2	8,820	7,890	6,770	5,910	5,200	4,650	4,190								
90.2		52.8	8,820	8,020	6,880	6,000	5,310	4,740									
82.0		52.8	8,820	8,000	6,860	6,000	5,290										
73.8		50.9	8,820	7,670	6,570	5,730											
65.6		51.2	8,820	7,720	6,610												



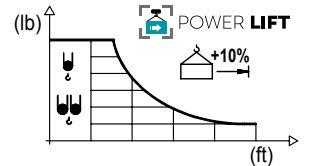
### DIAGRAMA DE CARGAS POWERLIFT

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

R (ft)	ψ	RC <sub>max</sub> (ft)	41.0	49.2	57.4	65.6	73.8	82.0	90.2	98.4	106.6	114.8	123.0	131.2	139.4	147.6	↔ (ft) ↓ (lb)
147.6		88.7						4,410	4,320	3,920	3,570	3,260	3,020	2,800	2,600	2,430	
139.4		90.6							4,410	4,010	3,660	3,350	3,090	2,870	2,670		
131.2		94.7							4,410	4,210	3,840	3,530	3,260	3,020			
123.0		104.0								4,410	4,280	3,950	3,640				
114.8		102.7								4,410	4,230	3,880					
106.6		105.7								4,410	4,370						
98.4		98.4								4,410							
90.2		90.2							4,410								
82.0		82.0					4,410										
73.8		73.8				4,410											
65.6		65.6			4,410												



R (ft)	ψ/ψ <sub>ψ</sub>	RC <sub>max</sub> (ft)	41.0	49.2	57.4	65.6	73.8	82.0	90.2	98.4	106.6	114.8	123.0	131.2	139.4	147.6	↔ (ft) ↓ (lb)
147.6		47.2	8,820	8,400	7,030	6,020	5,250	4,630	4,120	3,700	3,350	3,040	2,780	2,560	2,360	2,180	
139.4		48.1	8,820	8,600	7,190	6,170	5,380	4,740	4,210	3,790	3,440	3,130	2,870	2,620	2,430		
131.2		50.1	8,820	8,220	7,540	6,460	5,640	4,980	4,430	3,990	3,620	3,310	3,020	2,780			
123.0		54.8	8,820	8,380	7,190	6,260	5,560	4,960	4,450	4,060	3,700	3,400					
114.8		54.1	8,820	8,250	7,080	6,170	5,470	4,870	4,390	3,990	3,640						
106.6		55.6	8,820	8,510	7,300	6,370	5,640	5,030	4,540	4,120							
98.4		56.3	8,820	8,620	7,410	6,460	5,710	5,110	4,610								
90.2		57.1	8,820	8,770	7,540	6,570	5,820	5,200									
82.0		57.1	8,820	8,770	7,540	6,570	5,820										
73.8		55.1	8,820	8,420	7,230	6,310											
65.6		55.4	8,820	8,470	7,280												



### 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

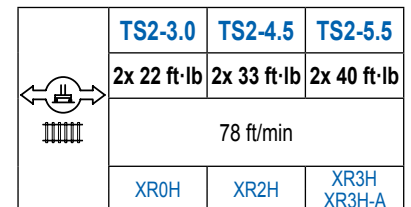
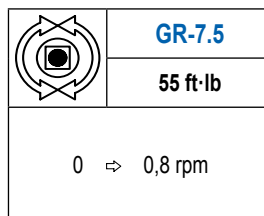
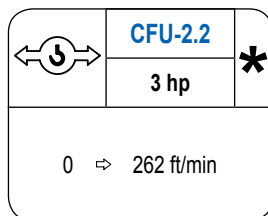
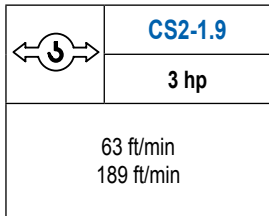
	I	II	III
ft/min	20	75	150
lb	8,820	8,820	4,850

**EFU2-11-10**  
740 ft  
**15 hp**

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

## MECANISMOS

Mechanisms / Mécanismes / Antriebe / Meccanismi / Механизмы



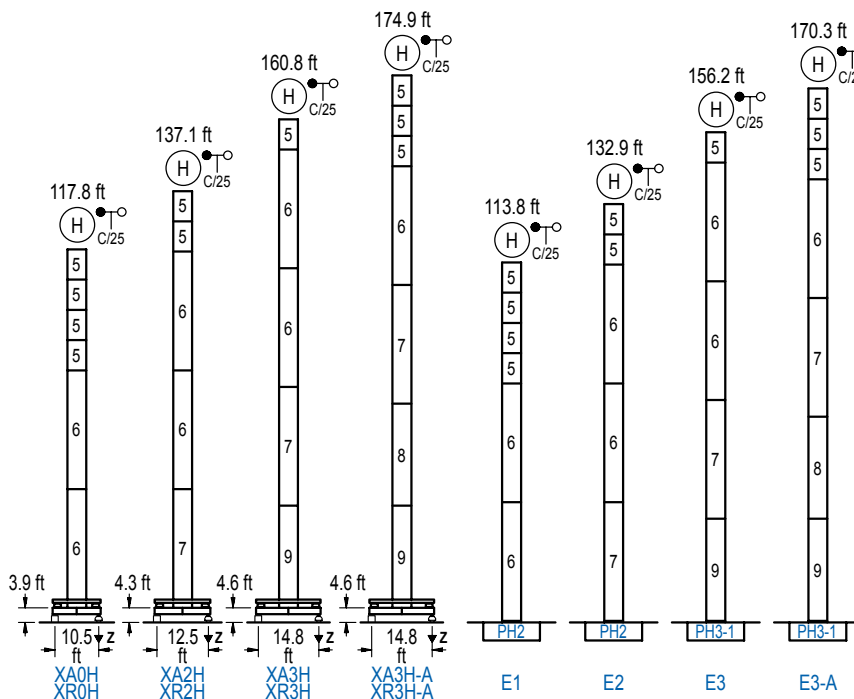
POTENCIA / POWER / PUISSANCE / LEISTUNG / POTENZA / МОЩНОСТЬ				Tensión de alimentación / Operating voltage / Tension de service / Betriebsspannung / Tensione di alimentazione / Напряжение источника питания	Generador / Generator / Générateur / Generator / Generatore / Генератор
Elevación / Hoist / Levage / Hub / Sollevamento / Тип механизма (подъем)	Carro / Trolley / Chariot / Laufkatze / Carrello / 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-7.5	(2x) TS2-3.0		
ES3-18-10			(2x) TS2-4.5		
EFU2-11-10	CFU-2.2	GR-7.5	(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

∅ 39 ft



n°	Ref.	∅	h
5	MH121	3.9	9.8
6	MH124-1	3.9	38.7
7	MH124A	3.9	38.7
8	MT123A	3.9	33.1
9	MT123	3.9	33.1

MH124-1 = 4x MH121 - 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..... 95 kip XR2H..... 93 kip XR3H..... 101 kip XR3H-A.. 112 kip
	Fuera de servicio / Out of service / Hors service / Ausser Betrieb / Fuori servizio / В стационарном состоянии	XR0H..... 110 kip XR2H..... 137 kip XR3H..... 159 kip XR3H-A.. 187 kip

## GRÚA ARRIOSTRADA

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

	XA0H	XA2H	XA3H	XA3H-A
A max	101.0 52.5	121.1 52.8	144.7 76.4	158.1 109.6
B max	- 68.9 39.4	- 68.9 39.4	- 68.9 39.4	- 68.9 39.4
C max	89.2	89.2	89.2	89.2
H max	190.3	259.2	209.6	278.5
	233.9	302.8	247.4	316.3

	E1	E2	E3	E3-A
A max	97.1 48.6	116.8 48.6	140.1 71.9	153.5 32.0
B max	- 68.9 39.4	- 68.9 39.4	- 68.9 39.4	- 68.9 39.4
C max	89.2	89.2	89.2	89.2
H max	186.4	255.2	206.0	247.9
	229.3	298.2	242.8	311.7

## GRÚA TREPADORA

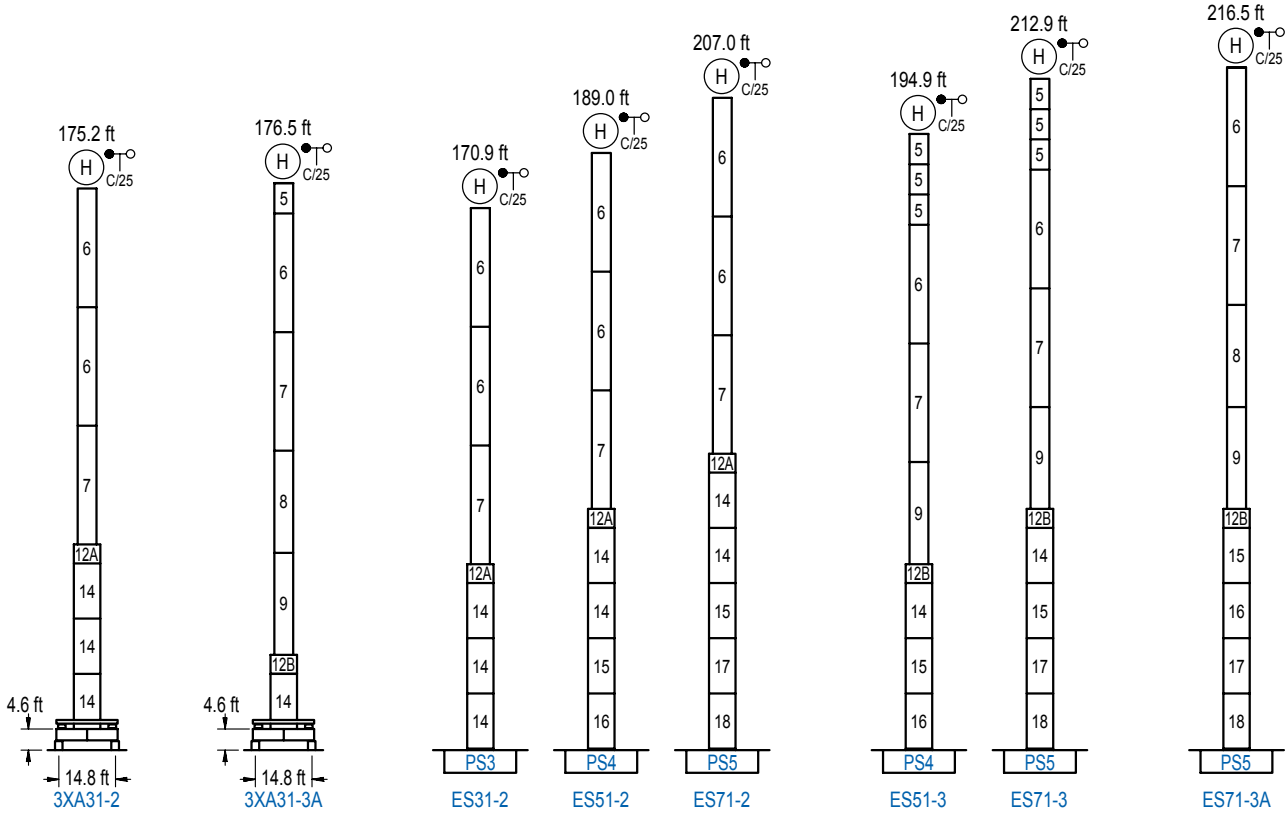
Internal climbing crane / Grue avec cage de télescopage intérieure / Kran mit klettern im Gebäude / Gru in rampante in cavedio / Кран с самоподъемом

	Hs < 980 ft	A max (ft)	A min (ft)
<b>142.1 ft</b> 10x MH121 + 4x MT12-3A + CL20A	39.4	26.2	
<b>132.2 ft</b> 9x MH121 + 4x MT12-3A + CL20A	39.4	26.2	
<b>122.4 ft</b> 8x MH121 + 4x MT12-3A + CL20A	39.4	23.0	

n°	Ref.	∅	h
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 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			

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 большой высоте проконсультируйтесь с нами