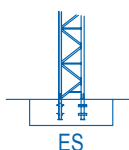




8,820 lb

[illegible]

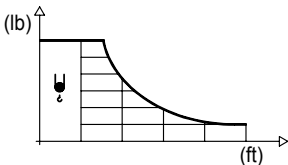
CE EN 14439
(C/25)



DIAGRAMA DE CARGAS

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

R (ft)	ψ	RCmax (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/ψψ	RCmax (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											

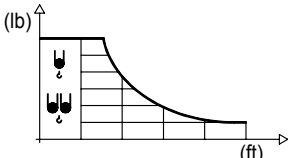
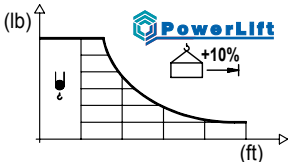


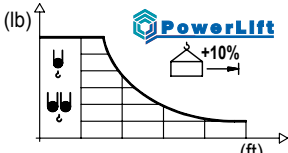
DIAGRAMA DE CARGAS POWERLIFT

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

R (ft)	ψ	RCmax (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/ψψ	RCmax (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	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
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
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
15 hp

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

8,820	6,610	4,410	3,530	
ft/min	49	66	98	121

EFU2-18-10
24 hp

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

8,820	6,610	4,410	3,530		
ft/min	89	98	115	131	151



MECANISMOS

Mechanisms / Mécanismes / Antriebe / Meccanismi / Механизмы

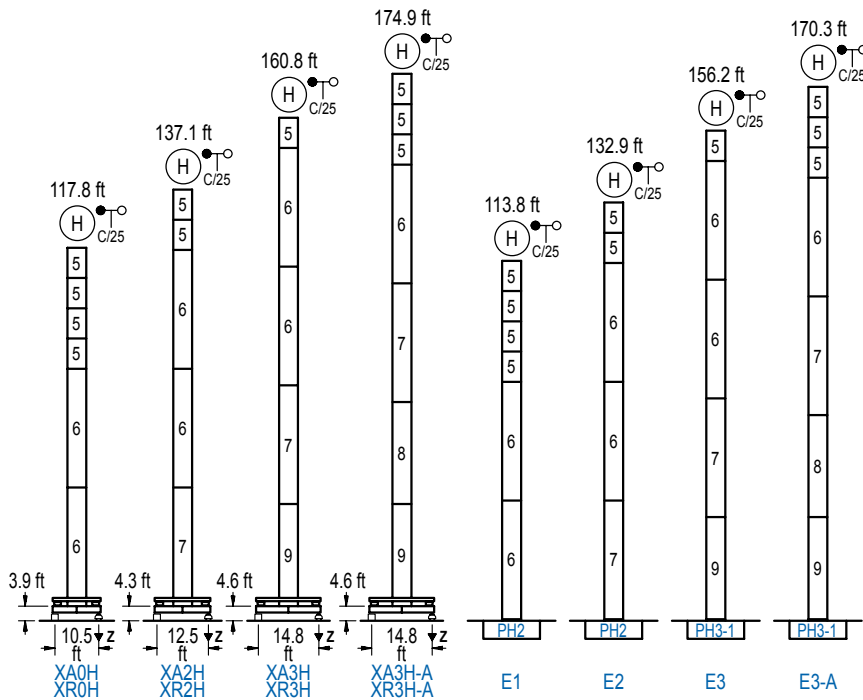
	CS2-1.9 3 hp 63 ft/min 189 ft/min
	CFU-2.2 3 hp 0 ⇔ 262 ft/min
	GR-7.5 55 ft-lb 0 ⇔ 0,8 rpm
	TS2-3.0 2x 22 ft-lb 0 ⇔ 78 ft/min XR0H
	TS2-4.5 2x 33 ft-lb XR2H
	TS2-5.5 2x 40 ft-lb XR3H XR3H-A

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		Opcional / Optional / En option / Kaufoption / Opzionale / Опционально *
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							
ES3-13-10	CS2-1.9	GR-7.5	(2x) TS2-3.0 (2x) TS2-4.5 (2x) TS2-5.5	480 V		90 kVA				
ES3-18-10				3ph		107 kVA				
EFU2-11-10	60 Hz			48 kVA						
EFU2-18-10				60 kVA						

ALTURAS BAJO GANCHO

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

3.9 ft



n°	Ref.	h (ft)	h (ft)
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

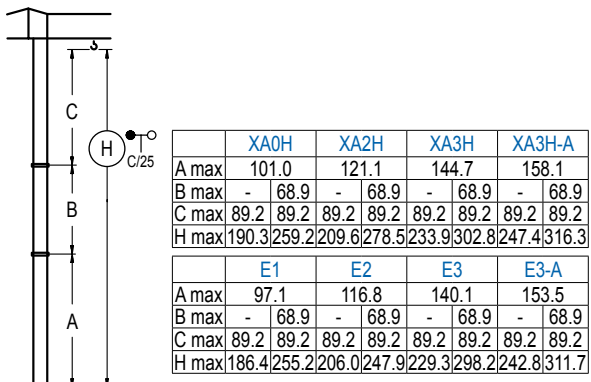
MH124-1 = 4x MH121 - 0.7 ft

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

Z max.	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

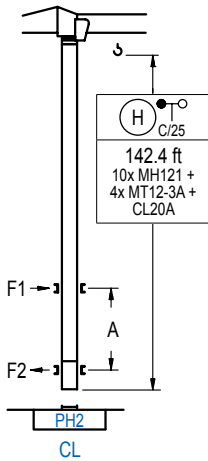
GRÚA ARRIOSTRADA

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



GRÚA TREPADORA

Internal climbing crane / Grue avec cage de télescopage intérieure / Kran mit klettern im Gebäude / Gru in rampante in cavedio / Монтажная клеть



n°	Ref.	h (ft)	h (ft)
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, arriostros 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

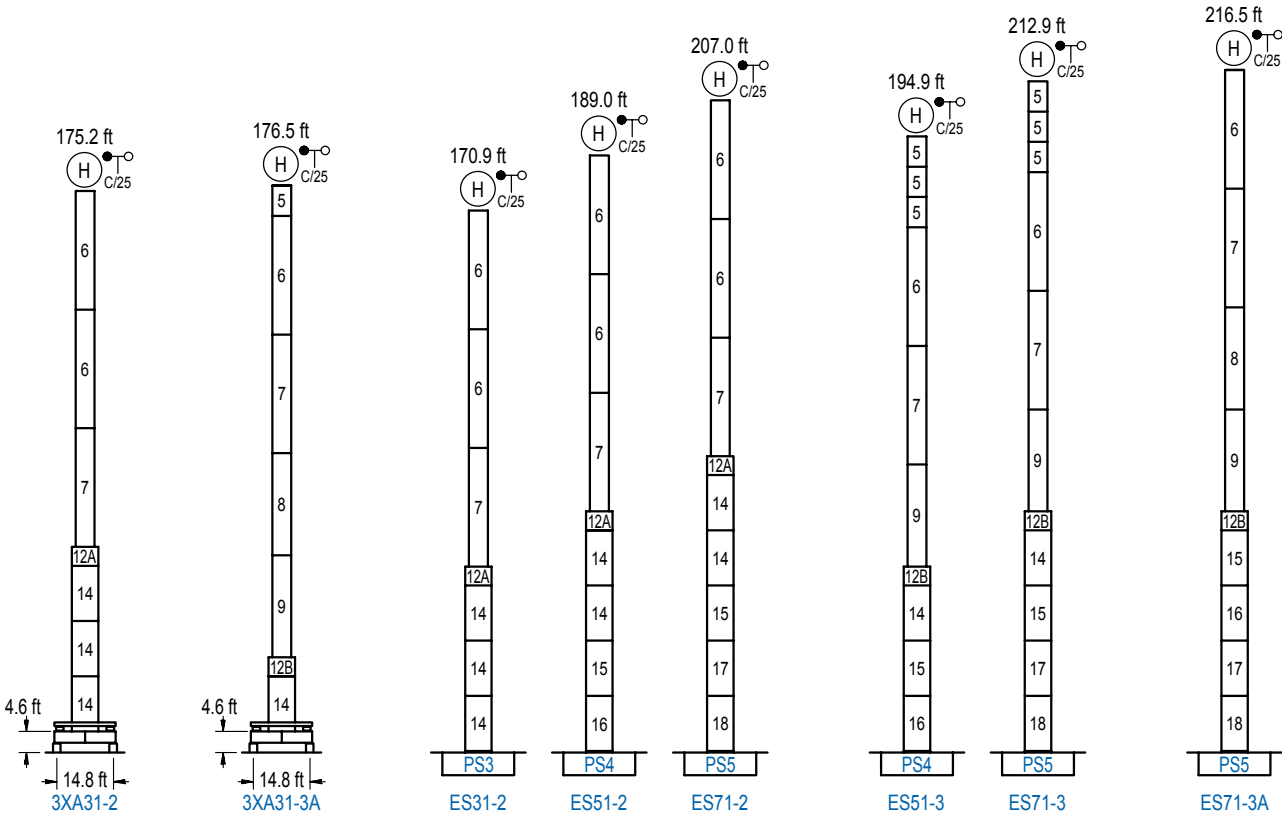


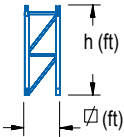
ALTURAS ESPECIALES

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

Ø 5.2 ft

LC 500



	n°	Ref.	Ø	h	n°	Ref.	Ø	h	n°	Ref.	Ø	h
	5	MH121	3.9	9.8	12A	TMS13/PMH12	5.2	3.3	14	S13	5.2	18.0
	6	MH124-1	3.9	38.7	12B	TMS13/PMH13	5.2	3.3	15	TS14	5.2	18.0
	7	MH124A	3.9	38.7					16	S14	5.2	18.0
	8	MT123A	3.9	33.1					17	TS15	5.2	18.0
	9	MT123	3.9	33.1					18	S15	5.2	18.0
	MH124-1 = 4x MH121 - 0.7 ft											

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



Construcciones Metálicas COMANSA S. A.

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Polígono Urbizkain E-31620 HUARTE-PAMPLONA.- SPAIN

DS.1307.05.IA 02/14 5LC4510/8,820 lb