

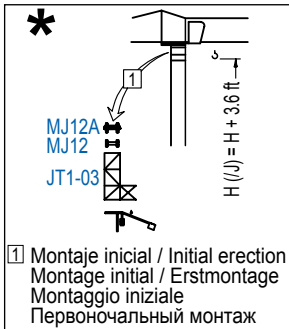
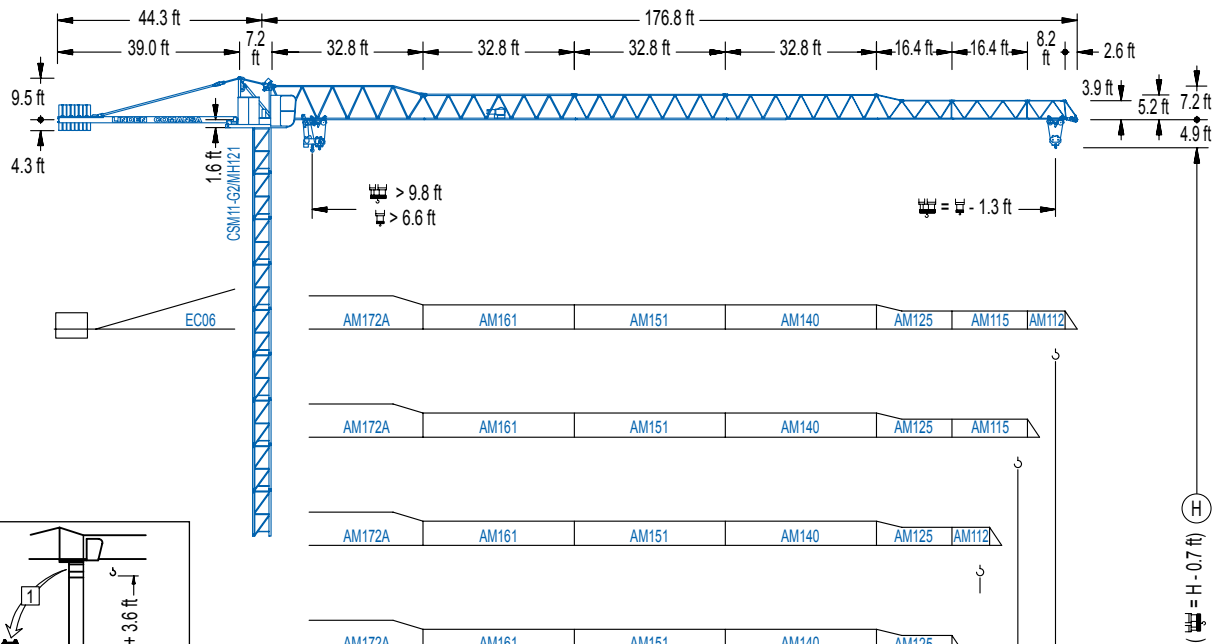


COMANSA

1100 Series

11 LC 90

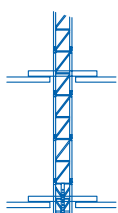
13,230 lb



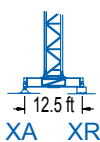
AM172A	AM161	AM151	AM140	AM125	AM115	AM112
AM172A	AM161	AM151	AM140	AM125	AM115	
AM172A	AM161	AM151	AM140	AM125	AM112	
AM172A	AM161	AM151	AM140	AM125		
AM172A	AM161	AM151	AM125	AM115	AM112	
AM172A	AM161	AM151	AM125	AM115		
AM172A	AM161	AM151	AM125	AM112		
AM172A	AM161	AM151	AM125			
AM172A	AM161	AM151				

R	98.4	114.8	123.0	131.2	139.4	147.6	155.8	164.0	172.2	ft
	6,390	5,510	4,960	4,630	4,190	3,750	3,310	3,090	2,650	lb
	6,160	6,060	5,450	5,090	4,610	4,120	3,640	3,400	2,910	lb

POWER LIFT



CL



XA XR



XA XR



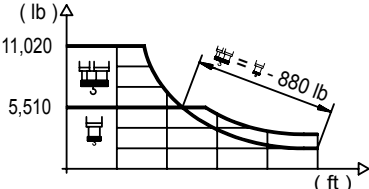
ES

CE EN 14439
(C/25)

DIAGRAMA DE CARGAS

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

R (ft)																			
172.2	42.0 13,230	45.9 11,880	52.5 10,100	59.1 8,730	65.6 7,630	73.5 6,610	81.7 6,610	91.9 5,750	98.4 5,310	105.0 4,920	114.8 4,410	123.0 4,060	131.2 3,750	139.4 3,480	147.6 3,240	155.8 3,020	164.0 2,820	172.2 2,650	ft lb
164.0	44.9 13,230	45.9 12,830	52.5 10,930	59.1 9,460	65.6 8,290	78.4 6,610	87.3 6,610	91.9 6,240	98.4 5,750	105.0 5,340	114.8 4,810	123.0 4,410	131.2 4,080	139.4 3,790	147.6 3,530	155.8 3,280	164.0 3,090	ft lb	
155.8	44.9 13,230	45.9 12,850	52.5 10,930	59.1 9,480	65.6 8,310	78.4 6,610	87.6 6,610	91.9 6,260	98.4 5,780	105.0 5,360	114.8 4,810	123.0 4,430	131.2 4,100	139.4 3,790	147.6 3,550	155.8 3,310	ft lb		
147.6		46.9 13,230	52.5 11,530	59.1 9,990	65.6 8,770	72.2 7,780	82.0 6,610	91.5 6,610	98.4 6,080	105.0 5,640	114.8 5,070	123.0 4,670	131.2 4,320	139.4 4,010	147.6 3,750	ft lb			
139.4		48.2 13,230	52.5 11,950	59.1 10,360	65.6 9,100	72.2 8,090	84.6 6,610	94.8 6,610	98.4 6,330	105.0 5,860	114.8 5,290	123.0 4,870	131.2 4,500	139.4 4,190	ft lb				
131.2		49.2 13,230	52.5 12,240	59.1 10,630	65.6 9,350	72.2 8,290	82.0 7,050	86.3 6,610	96.8 6,610	105.0 6,020	114.8 5,420	123.0 5,000	131.2 4,630	ft lb					
123.0		48.9 13,230	52.5 12,130	59.1 10,520	65.6 9,260	72.2 8,220	82.0 6,990	85.6 6,610	96.1 6,610	105.0 5,970	114.8 5,380	123.0 4,960	ft lb						
114.8		49.9 13,230	52.5 12,390	59.1 10,760	65.6 9,460	72.2 8,400	82.0 7,140	87.3 6,610	98.1 6,610	105.0 6,130	114.8 5,510	ft lb							
98.4		48.2 13,230	52.5 11,970	59.1 10,380	65.6 9,130	72.2 8,090	84.6 6,610	95.5 6,610	98.4 6,390	ft lb									



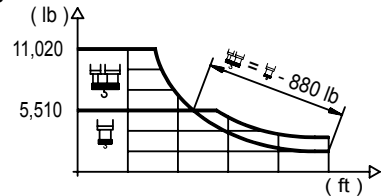
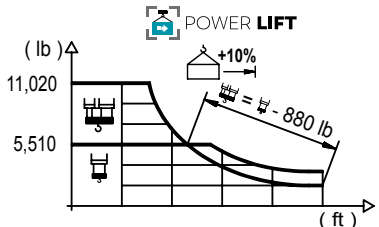
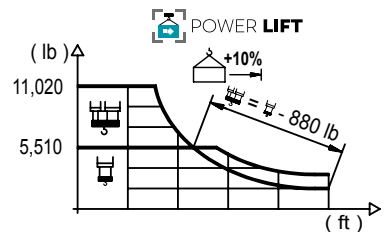


DIAGRAMA DE CARGAS POWERLIFT

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

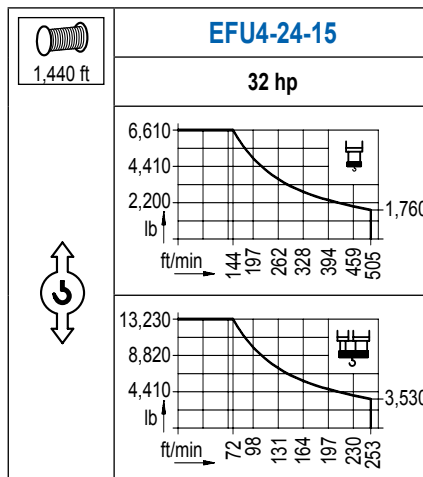
R (ft)																		
172.2	44.0 13,230	52.5 10,690	59.1 9,260	65.6 8,110	76.8 6,610	87.6 6,610	91.9 6,260	98.4 5,780	105.0 5,360	114.8 4,810	123.0 4,430	131.2 4,100	139.4 3,790	147.6 3,550	155.8 3,310	164.0 3,110	172.2 2,910	ft lb
164.0	47.2 13,230	52.5 11,640	59.1 10,100	65.6 8,860	75.5 7,430	82.7 6,610	94.2 6,610	98.4 6,280	105.0 5,820	114.8 5,250	123.0 4,830	131.2 4,480	139.4 4,140	147.6 3,880	155.8 3,620	164.0 3,400	ft lb	
155.8	45.9 13,230	52.5 11,680	59.1 10,140	65.6 8,910	75.5 7,470	82.7 6,610	94.5 6,610	98.4 6,310	105.0 5,840	114.8 5,270	123.0 4,850	131.2 4,500	139.4 4,170	147.6 3,880	155.8 3,640	ft lb		
147.6		49.5 13,230	59.1 10,710	65.6 9,440	75.5 7,910	82.0 7,120	86.9 6,610	99.1 6,610	105.0 6,170	114.8 5,560	123.0 5,140	131.2 4,760	139.4 4,410	147.6 4,120	ft lb			
139.4		51.2 13,230	59.1 11,180	65.6 9,830	75.5 8,270	82.0 7,450	89.9 6,610	102.4 6,610	105.0 6,440	114.8 5,800	123.0 5,340	131.2 4,960	139.4 4,610	ft lb				
131.2		52.5 13,230	59.1 11,490	65.6 10,100	75.5 8,510	82.0 7,670	92.2 6,610	105.0 6,610	108.3 6,370	114.8 5,950	123.0 5,490	131.2 5,090	ft lb					
123.0		51.8 13,230	59.1 11,380	65.6 10,010	75.5 8,420	82.0 7,580	91.2 6,610	104.0 6,610	105.0 6,550	114.8 5,910	123.0 5,450	ft lb						
114.8		53.1 13,230	59.1 11,680	65.6 10,270	75.5 8,660	82.0 7,800	91.9 6,750	93.2 6,610	106.6 6,610	114.8 6,060	ft lb							
98.4		51.8 13,230	59.1 11,310	65.6 9,960	75.5 8,380	82.0 7,540	90.9 6,610	98.4 6,610	ft lb									





MECANISMOS

Mechanisms / Mécanismes / Antriebe / Meccanismi / Механизмы

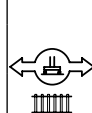


MECANISMOS

Mechanisms / Mécanismes / Antriebe / Meccanismi / Механизмы

	CFU-4.0
	5.4 hp
0 ⇔ 295 ft/min	

	GFU-5.5
	2x 7.4 hp
0 ⇔ 0,7 rpm	

	TS2-4.5	TS2-5.5
	2x 33 ft-lb	2x 40 ft-lb
78 ft/min		
	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		
EFU4-24-15	CFU-4.0	(2x) GFU-5.5	(2x) TS2-4.5 (2x) TS2-5.5	480 V 3ph 60 Hz	75 kVA

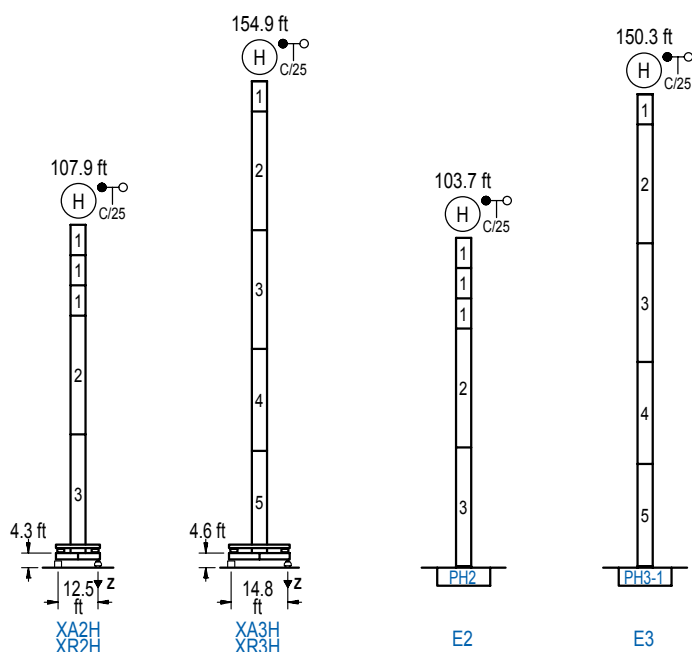
Opcional / Optional / En option / Kaufoption / Opzionale / Опционально



ALTURAS BAJO GANCHO

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

Ø 3.9 ft



n°	Ref.	Ø	h
1	MH121	3.9	9.8
2	MH124-1	3.9	38.7
3	MH124A	3.9	38.7
4	MT123A	3.9	33.1
5	MT123	3.9	33.1

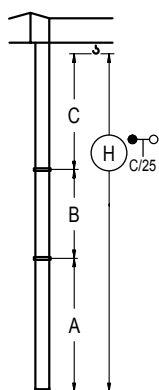
MH124-1 = 4x MH121 - 0.7 ft

	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	XR2H..... 95 kip XR3H..... 112 kip
	Fuera de servicio / Out of service / Hors service / Ausser Betrieb / Fuori servizio / В стационарном состоянии	XR2H..... 93 kip XR3H..... 165 kip

GRÚA ARRIOSTRADA

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

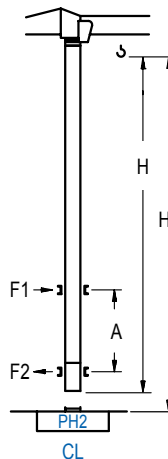


	XA2H	XA3H
A max	91.5	139.1
A min	62.7	109.5
B max	-	59.1
B min	39.4	39.4
C max	79.1	79.1
C min	79.1	79.1
H max	170.3	229.3
H min	218.2	277.2

	E2	E3
A max	87.3	134.5
A min	58.4	105.0
B max	-	59.1
B min	39.4	39.4
C max	79.1	79.1
C min	79.1	79.1
H max	166.3	225.4
H min	213.6	272.6

GRÚA TREPADORA

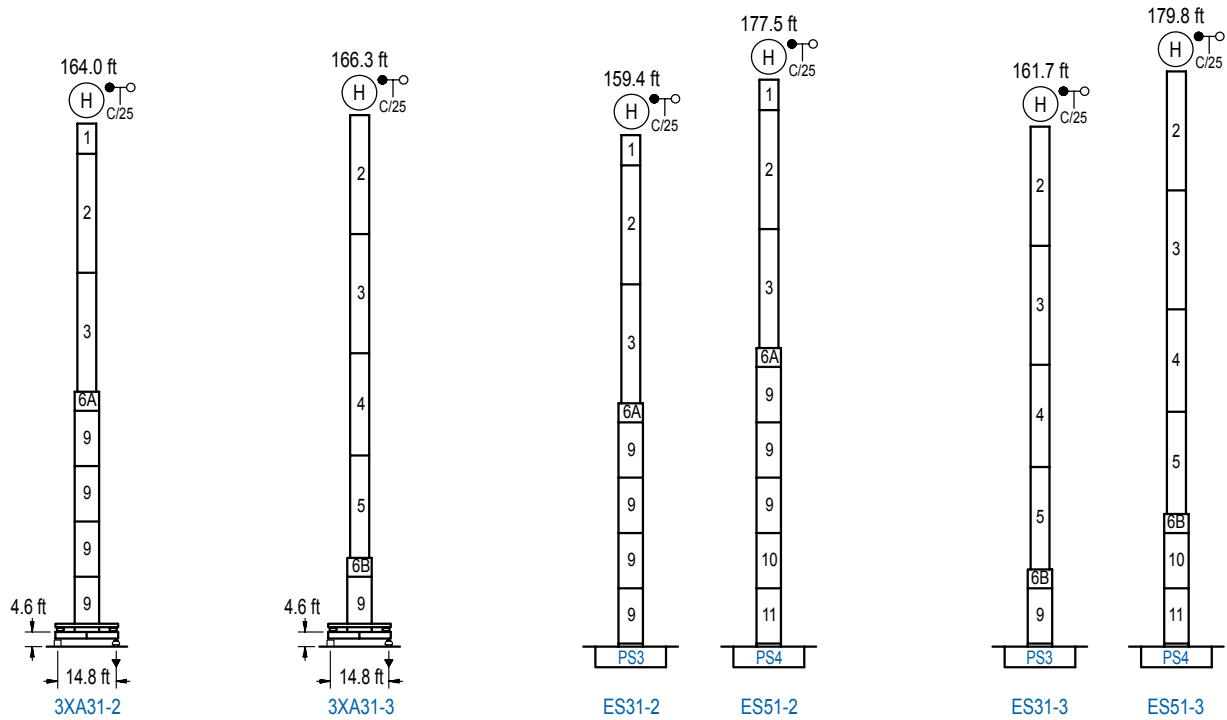
Internal climbing crane / Grue avec cage de télescopage intérieure / Kran mit klettern im Gebäude / Gru in rampante in cavedio / Кран с самоподъемом



	Hs < 980 ft
	A max (ft) A min (ft)
102.4 ft 6x MH121 + 4x MT12-3A + CL20A	39.4 19.7
92.5 ft 5x MH121 + 4x MT12-3A + CL20A	32.8 19.7
82.7 ft 4x MH121 + 4x MT12-3A + CL20A	27.9 16.4

n°	Ref.	Ø	h
1	MH121	3.9	9.8
19	MT12-3A	3.9	9.5
20	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.	Ø	h	n°	Ref.	Ø	h	n°	Ref.	Ø	h
1	MH121	3.9	9.8	6A	TMS13/PMH12	5.2	3.3	9	S13	5.2	18.0
2	MH124-1	3.9	38.7	6B	TMS13/PMH13	5.2	3.3	10	TS14	5.2	18.0
3	MH124A	3.9	38.7					11	S14	5.2	18.0
4	MT123A	3.9	33.1					12	TS15	5.2	18.0
5	MT123	3.9	33.1					13	S15	5.2	18.0
MH124-1 = 4x MH121 - 0,2 m								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