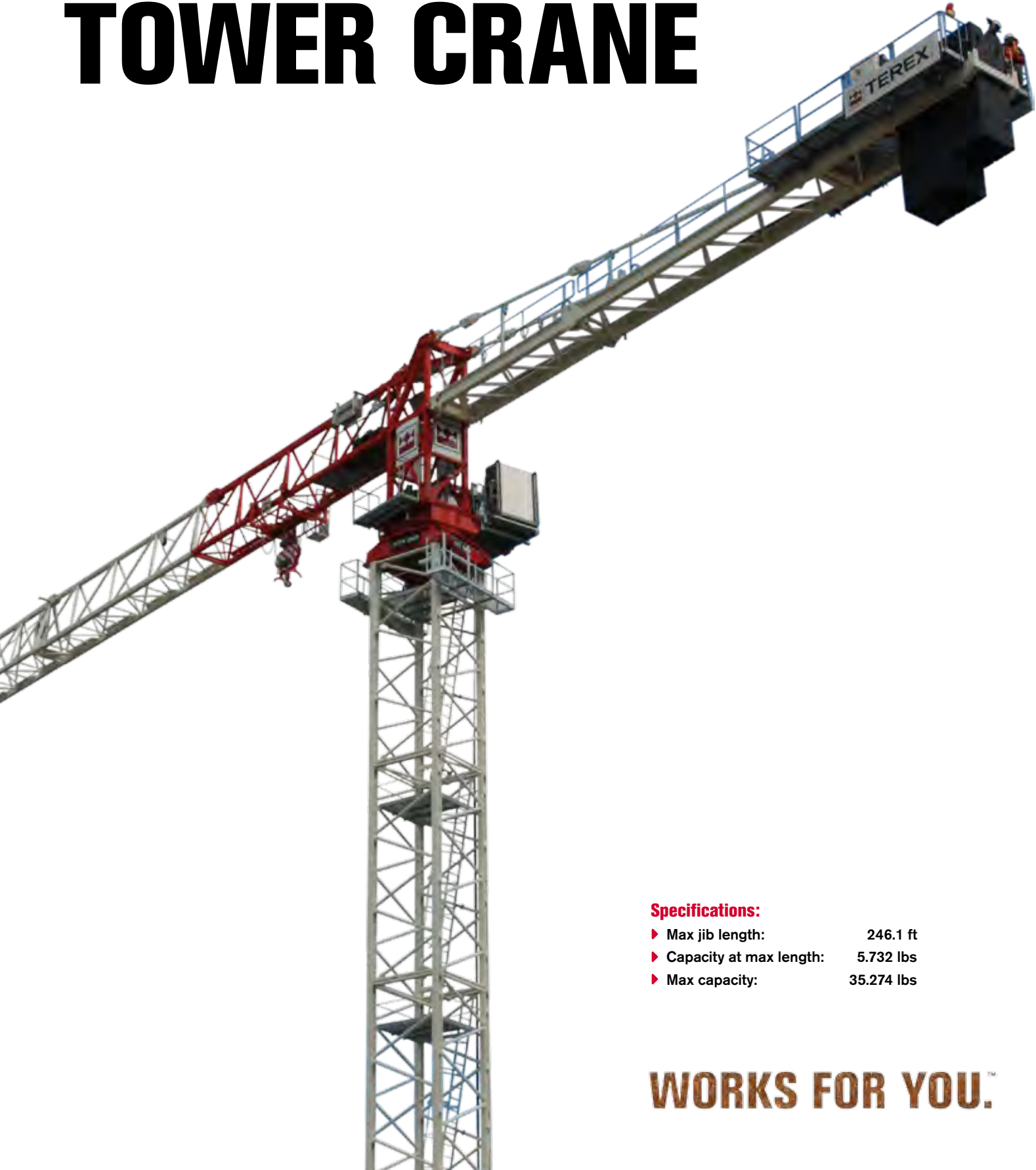




CTT 321-16 H20

FLAT TOP TOWER CRANE



Specifications:

- ▶ Max jib length: 246.1 ft
- ▶ Capacity at max length: 5.732 lbs
- ▶ Max capacity: 35.274 lbs

WORKS FOR YOU.™



KEY

Zeichenerklärung · Légende · Leyenda · Legenda

	Hoisting · Heben · Levage · Elevación · Sollevamento
	Trolleying · Katzfahren · Distribution · Distribución · Traslazione carrello
	Slewing · Schwenken · Orientation · Orientació · Rotazione
	Travelling · Schienenfahren · Translation · Traslación · Traslazione
	Directive on noise level · Richtlinie für den Schall-Leistungspegel · Directive sur le niveau acoustique · Directiva sobre el nivel acustico · Direttiva sul livello acustico
	Consult us · Auf Anfrage · Nous consulter · Consultarnos · Consultateci
	Power requirements · Geforderte Stromstärke · Puissance totale nécessaire · Potencia necesaria · Potenza totale richiesta
	Power supply · Stromversorgung · Alimentation · Alimentación · Alimentazione
	In service · In Betrieb · En service · En servicio · In servizio
	Out of service · Außer Betrieb · Hors service · Fuera de servicio · Fuori servizio
	Max. under hook height · Höchste Hakenhöhe · Hauteur maxi. sous crochet · Maxima altura bajo gancho · Altezza max. sotto gancio
	Without load, without ballast, max. jib and max. height · Ohne Last und Ballast, mit Maximalausleger und Maximalhöhe · A vide, sans lest, avec flèche et hauteur maximum · Sin carga, sin lastre, con pluma y altura máxima · A vuoto, senza zavorra, braccio max., altezza max.
	Counterweight · Gegengewicht · Lest de contre-flèche · Lastre de contra flecha · Zavorra controbraccio
	FEM 1004 Out of service wind condition · FEM 1004 Windverhältnisse im Außerbetriebszustand · FEM 1004 Conditions de vent hors service · FEM 1004 Condiciones de viento fuera de servicio · FEM 1004 Condizioni del vento in fuori servizio



FEM





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CTT 321-16 H20

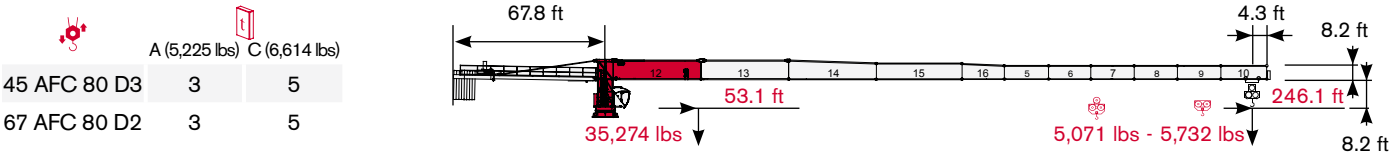
Inhalt · Contenu · Contenido · Indice

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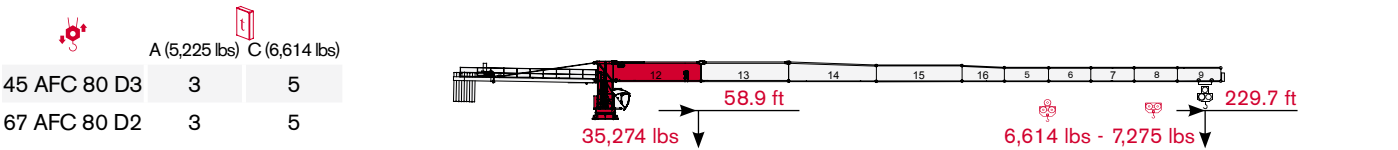


LOAD DIAGRAM

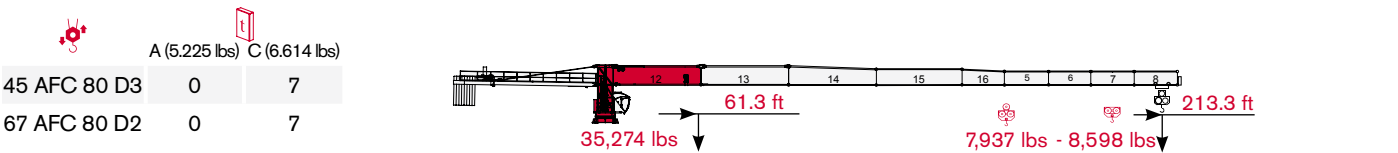
Lastkurven · Courbes de charges · Curvas de cargas · Diagramma di portata



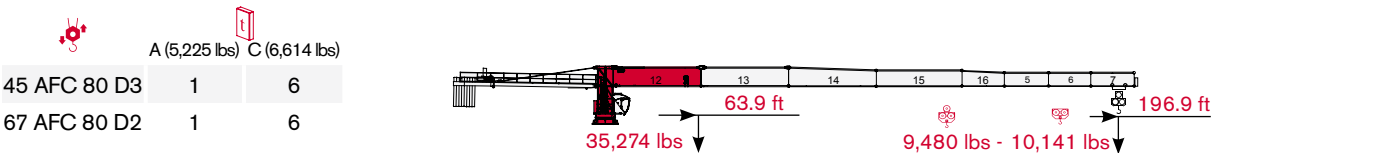
			49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft	147.6 ft	164.1 ft	180.5 ft	196.9 ft	213.3 ft	229.7 ft	246.1 ft	
	17,637 lbs➡	99 ft	lbs	17,637	17,637	17,637	17,637	14,837	12,677	11,023	9,678	8,598	7,694	6,945	6,283	5,732
	17,637 lbs➡	96.3 ft	lbs	17,637	17,637	17,637	17,196	14,264	12,081	10,406	9,061	7,959	7,055	6,283	5,644	5,071
	35,274 lbs➡	53.1 ft	lbs	35,274	27,646	21,341	17,196	14,264	12,081	10,406	9,061	7,959	7,055	6,283	5,644	5,071



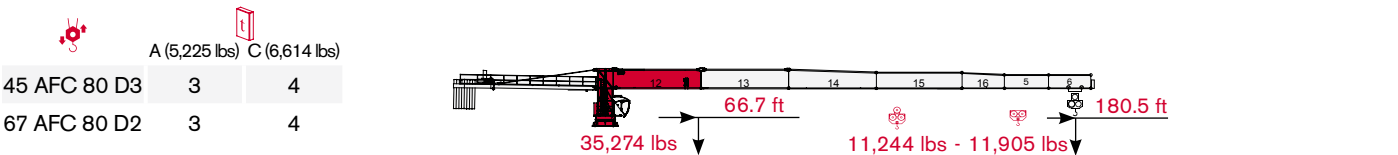
			49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft	147.6 ft	164.1 ft	180.5 ft	196.9 ft	213.3 ft	229.7 ft	
	17,637 lbs➡	110.3 ft	lbs	17,637	17,637	17,637	17,637	16,843	14,418	12,544	11,067	9,855	8,841	8,003	7,275
	17,637 lbs➡	107.2 ft	lbs	17,637	17,637	17,637	17,637	16,248	13,801	11,927	10,428	9,215	8,201	7,341	6,614
	35,274 lbs➡	58.9 ft	lbs	35,274	31,195	24,141	19,511	16,248	13,801	11,927	10,428	9,215	8,201	7,341	6,614



			49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft	147.6 ft	164.1 ft	180.5 ft	196.9 ft	213.3 ft		
	17,637 lbs➡	116.1 ft	lbs	17,637	17,637	17,637	17,637	17,637	15,322	13,382	11,817	10,538	9,480	8,598	
	17,637 lbs➡	112.2 ft	lbs	17,637	17,637	17,637	17,637	17,152	14,639	12,699	11,133	9,877	8,818	7,937	
	35,274 lbs➡	61.3 ft	lbs	35,274	32,673	25,353	20,547	17,152	14,639	12,699	11,133	9,877	8,818	7,937	



			49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft	147.6 ft	164.1 ft	180.5 ft	196.9 ft			
	17,637 lbs➡	122.2 ft	lbs	17,637	17,637	17,637	17,637	17,637	16,270	14,220	12,566	11,244	10,141		
	17,637 lbs➡	117.6 ft	lbs	17,637	17,637	17,637	17,637	17,637	15,521	13,492	11,883	10,560	9,480		
	35,274 lbs➡	63.9 ft	lbs	35,274	34,238	26,632	21,649	18,144	15,521	13,492	11,883	10,560	9,480		



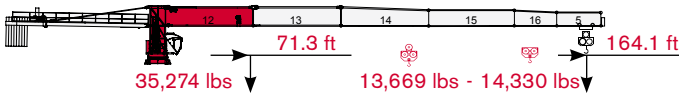
	49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft	147.6 ft	164.1 ft	180.5 ft				
17,637 lbs→	128 ft	lbs	17,637	17,637	17,637	17,637	17,637	17,152	15,013	13,294	11,905		
17,637 lbs→	123.3 ft	lbs	17,637	17,637	17,637	17,637	17,637	16,402	14,286	12,610	11,244		
35,274 lbs→	66.7 ft	lbs	35,274	35,274	28,021	22,818	19,136	16,402	14,286	12,610	11,244		



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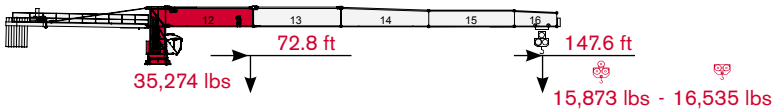
	A (5,225 lbs)	C (6,614 lbs)
45 AFC 80 D3	0	6
67 AFC 80 D2	0	6



	49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft	147.6 ft	164.1 ft										
 17,637 lbs→	136.6 ft	lbs	17,637	17,637	17,637	17,637	17,637	17,637	16,160	14,330								
 17,637 lbs→	131.9 ft	lbs	17,637	17,637	17,637	17,637	17,637	17,637	15,476	13,669								
 35,274 lbs→	71.3 ft	lbs	35,274	35,274	30,159	24,604	20,657	17,725	15,476	13,669								



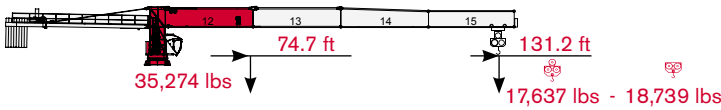
	A (5,225 lbs)	C (6,614 lbs)
45 AFC 80 D3	2	4
67 AFC 80 D2	2	4



	49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft	147.6 ft											
 17,637 lbs→	139.4 ft	lbs	17,637	17,637	17,637	17,637	17,637	17,637	16,535									
 17,637 lbs→	134.8 ft	lbs	17,637	17,637	17,637	17,637	17,637	17,637	15,873									
 35,274 lbs→	72.8 ft	lbs	35,274	35,274	30,909	25,199	21,164	18,188	15,873									



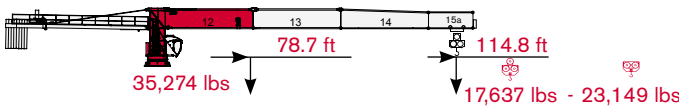
	A (5,225 lbs)	C (6,614 lbs)
45 AFC 80 D3	0	5
67 AFC 80 D2	0	5



	49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft												
 17,637 lbs→	131.2 ft	lbs	17,637	17,637	17,637	17,637	17,637	17,637										
 17,637 lbs→	131.2 ft	lbs	17,637	17,637	17,637	17,637	17,637	17,637										
 35,274 lbs→	74.7 ft	lbs	35,274	35,274	31,791	25,948	21,826	18,739										



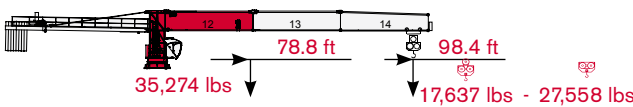
	A (5,225 lbs)	C (6,614 lbs)
45 AFC 80 D3	2	3
67 AFC 80 D2	2	3



	49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft													
 17,637 lbs→	114.8 ft	lbs	17,637	17,637	17,637	17,637	17,637											
 17,637 lbs→	114.8 ft	lbs	17,637	17,637	17,637	17,637	17,637											
 35,274 lbs→	78.7 ft	lbs	35,274	35,274	33,687	27,514	23,149											



	A (5,225 lbs)	C (6,614 lbs)
45 AFC 80 D3	0	4
67 AFC 80 D2	0	4



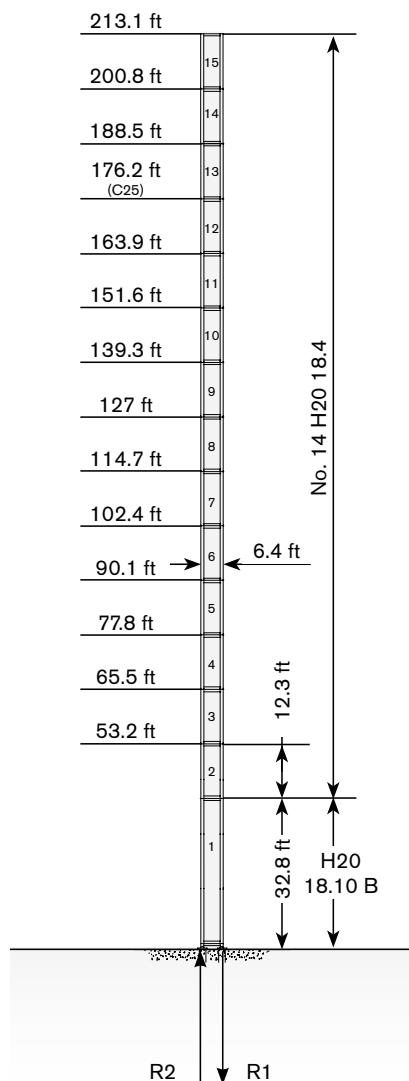
	49.2 ft	65.6 ft	82 ft	98.4 ft														
 17,637 lbs→	98.4 ft	lbs	17,637	17,637	17,637	17,637												
 17,637 lbs→	98.4 ft	lbs	17,637	17,637	17,637	17,637												
 35,274 lbs→	78.8 ft	lbs	35,274	35,274	33,753	27,558												

WORKS FOR YOU.™

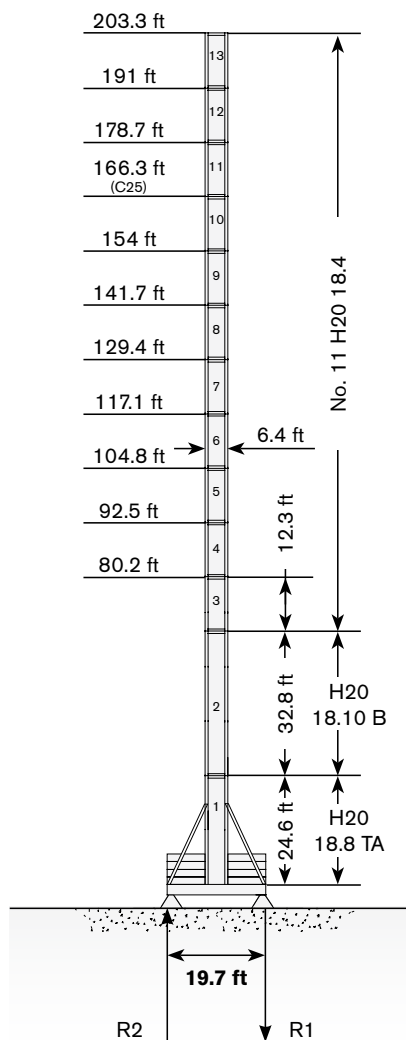
Turm · Tour · Torre · Torre

**Standard Configurations · Standardkonfiguration ·
Standard Implantations · Implantaciones Standard · Installazioni Standard**

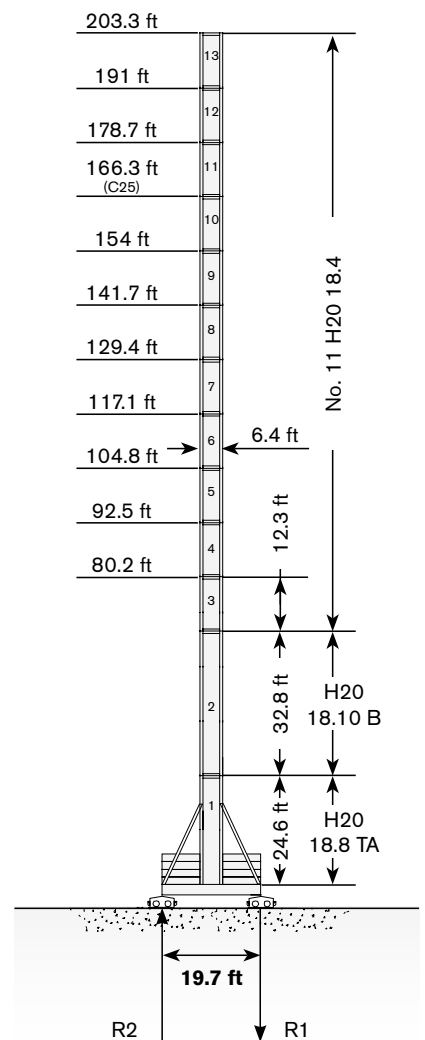
		
R1	-2632 kN	-3147 kN
R2	2020 kN	2631 kN
	931 kN	



		
R1	-1372 kN	-1590 kN
R2	-209 kN	-351 kN
	991 kN	



		
R1	-1526 kN	-1590 kN
R2	-108 kN	-351 kN
	991 kN	



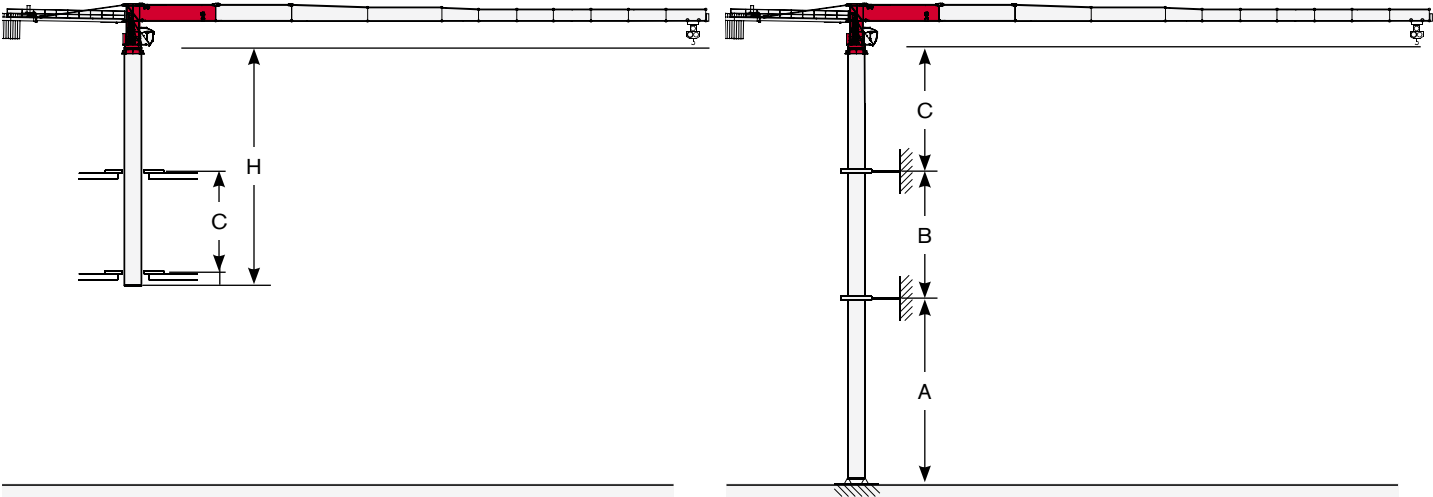
Different heights and tower combinations are available; please consult us • Andere Höhen und Turmkombinationen auf Anfrage • Différentes hauteurs et combinaisons de tour sont disponibles; nous consulter • Hay diferentes alturas y combinaciones de torre disponibles. Consúltanos • Altezze diverse e combinazioni di torre sono disponibili; consultateci



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Other configurations · Aufstellmöglichkeiten ·
Autres Implantations · Otras Implantaciones · Altre Installazioni

Bottom climbing crane · Kletterkran im Gebäude · Télescopage sur dalles · Telescopage grúa trepadora · Gru climbing
Crane tied to the structure · Geankerter Kran · Grue ancrée · Grúa anclada · Gru ancorata



Tower: H20		
	min	max
C	32.8 ft	52.5 ft
H	73.8 ft	123 ft

Tower: H20 & Basement: RTL		
	min	max
A	108.3 ft	170.6 ft
B	49.2 ft	73.8 ft
C	108.3 ft	



MECHANISMS

Antriebe · Mécanismes · Mecanismos · Meccanismi

Power supply · Stromversorgung ·
Alimentation · Suministro eléctrico · Alimentazione

	45 AFC 80	100 kVA*	400V - 50Hz / 460V - 60Hzz	2000/14/CE modificata
	67 AFC 80	110 kVA*	400V - 50Hz / 460V - 60Hz	2000/14/CE modificata

* Crane without travelling equipment – Three movements simultaneous at 90% · Krane ohne Schienenfahren – Drei gleichzeitige Bewegungen mit 90% · Grue sans translation – Trois mouvements simultanés à 90% · Grúa sin traslación – Tres movimientos contemporáneos hechos al 90% · Gru senza traslazione – Tre movimenti contemporanei al 90%

Hoisting · Heben · Levage · Elevación · Sollevamento

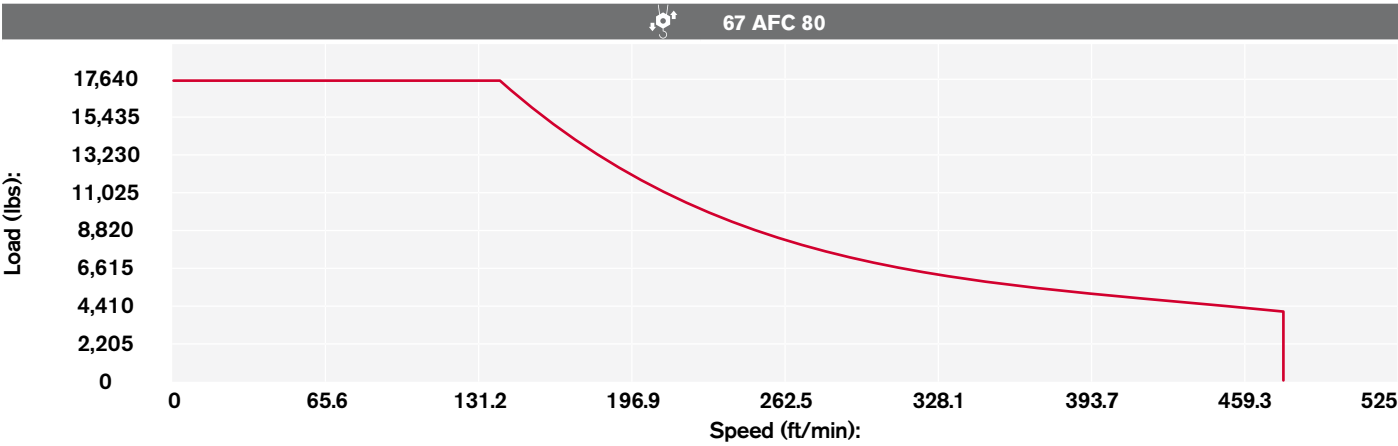
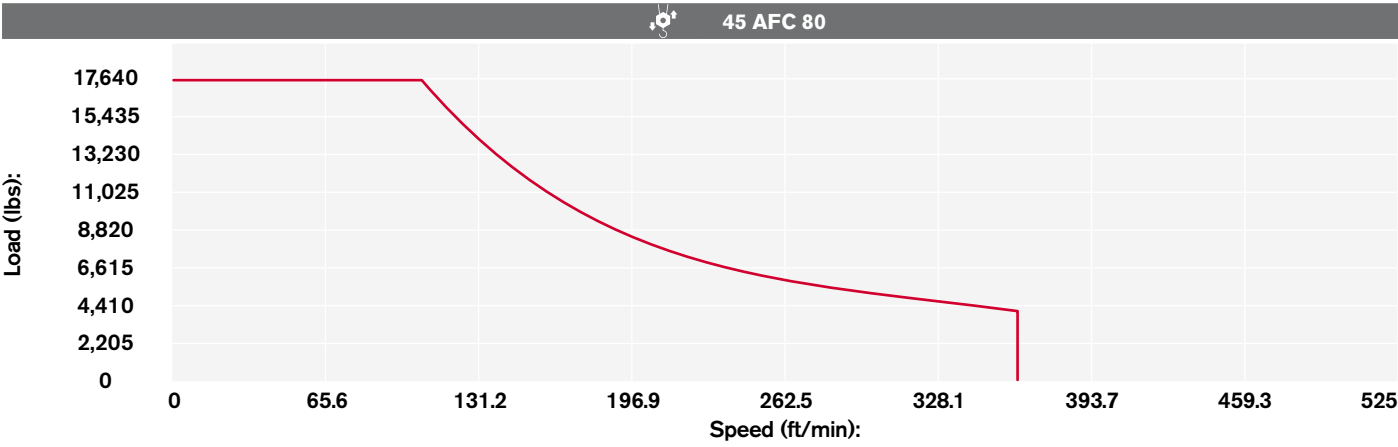
			lbs	ft/min	kW	
	45 AFC 80 D3 (Vector)		17,637	0 ➔ 95.1	45	2,362.3 ft
			13,228	0 ➔ 121.4		
			8,818	0 ➔ 173.9		
			4,409	0 ➔ 308.4		
			3,748	0 ➔ 360.9		
			35,274	0 ➔ 47.6		
			26,455	0 ➔ 60.7		
			17,637	0 ➔ 86.9		
			8,818	0 ➔ 154.2		
			7,496	0 ➔ 180.5		
	67 AFC 80 D2 (Vector)		17,637	0 ➔ 134.5	67	2,362.3 ft
			13,228	0 ➔ 177.2		
			8,818	0 ➔ 249.4		
			4,409	0 ➔ 433.1		
			4,079	0 ➔ 475.7		
			35,274	0 ➔ 67.3		
			26,455	0 ➔ 88.6		
			17,637	0 ➔ 124.7		
			8,818	0 ➔ 216.5		
			8,157	0 ➔ 237.9		





CTT 321-16 H20

Hoisting Speed · Heben Geschwindigkeit · Vitesse de Levage ·
Velocidad de Elevación · Velocità' di Sollevamento



Additional Specifications · Weitere Leistungsdaten ·
Spécifications additionnelles · Otras prestaciones · Altre movimentazioni

	DVF 3 8 D1	41 → 154.2 → 324.8 ft/min	7,5 kW
	SCC 2 2 112 LC	0,75 r.p.m.	2 x 15 kW
	TSR 2RG 4M8	39.4 → 78.7 ft/min (50 Hz) 45.9 → 91.9 ft/min (60 Hz)	4 x 59 ft·lb



TRANSPORTATION

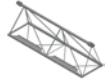
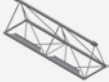
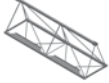
Transport · Transport · Conducción · Trasporto

Packing list

CTT 321-16 H20	DESCRIPTION · BESCHREIBUNG · DESCRIPTION · DESCRIPCIÓN · DESCRIZIONE	LENGTH · LÄNGE · LONGUEUR · LONGITUD · LUNGHEZZA	WIDTH · BREITE · LARGEUR · ANCHURA · LARGHEZZA	HEIGHT · HÖHE · HAUTEUR · ALTURA · ALTEZZA	QUANTITY · MENGE · QUANTITÉ · CANTIDAD · CANTITÀ	WEIGHT · GEWICHT · POIDS · PESO · PESO
	6×6 m UNDERCARRIAGE LONG BEAM	29.4 ft	1.6 ft	3.4 ft	1	4,604 lbs
	6×6 m UNDERCARRIAGE SHORT BEAM	14.4 ft	1.6 ft	3.4 ft	2	2,227 lbs
	6×6 m UNDERCARRIAGE JOINING SLEEPER	18 ft	0.5 ft	1.6 ft	2	617 lbs
	6×6 m UNDERCARRIAGE JOINING SLEEPER	18 ft	0.5 ft	1.6 ft	2	485 lbs
	6×6 m UNDERCARRIAGE STRUT	16.7 ft	0.8 ft	1 ft	4	1,103 lbs
	STRUT MOUNTING TOWER ELEMENT HA20 18.8TA FOR 6×6 m UNDERCARRIAGE	24.6 ft	7.5 ft	1 ft	1	14,685 lbs*
	STRUT MOUNTING TOWER ELEMENT HA20 18.8TA FOR 6×6 m UNDERCARRIAGE	24.6 ft	6.4 ft	6.4 ft	1	13,909 lbs*
	HA20 18.10 B TOWER ELEMENT	32.8 ft	6.6 ft	6.4 ft	1	15,435 lbs*
	HA20 18.4 S TOWER ELEMENT	12.3 ft	6.6 ft	6.4 ft	1	6,516 lbs*
	Slewing unit CTT321-16 H20	7.5 ft	7.5 ft	8.2 ft	1	18,103 lbs
	SLEWING UNIT PLATFORM	7.2 ft	2 ft	5.2 ft	1	293 lbs
	CAB EVO 1.5 PLATFORM	14.4 ft	5.9 ft	7.9 ft	1	4,084 lbs
	CAB SECTION CTT 321-16	18 ft	5.6 ft	8.2 ft	1	9,556 lbs
	COUNTERJIB 1B	20 ft	5.2 ft	3 ft	1	5,138 lbs



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CTT 321-16 H20	DESCRIPTION · BESCHREIBUNG · DESCRIPTION · DESCRIPCIÓN · DESCRIZIONE	LENGTH · LÄNGE · LONGUEUR · LONGITUD · LUNGHEZZA	WIDTH · BREITE · LARGEUR · ANCHURA · LARGHEZZA	HEIGHT · HÖHE · HAUTEUR · ALTURA · ALTEZZA	QUANTITY · MENGE · QUANTITÉ · CANTIDAD · QUANTITÀ	WEIGHT · GEWICHT · POIDS · PESO · PESO
	COUNTERJIB 2B	32.8 ft	5.6 ft	3.3 ft	1	8,114 lbs
	COUNTERJIB 3B	17.4 ft	6.2 ft	7.9 ft	1	45 AFC 80 10,937 lbs 67 AFC 80 11,166 lbs
	COUNTERJIB PLATFORMS UNIT	14.8 ft	2.3 ft	1.3 ft		1,940 lbs
	DERRICK (OPTIONAL)	4.6 ft	1 ft	7.9 ft	1	463 lbs
	JIB SECTION - 12 TT15 24.10	34.8 ft	5.6 ft	8.2 ft	1	10,584 lbs
	JIB SECTION - 13 TT15 15.10	34.8 ft	4.9 ft	7.9 ft	1	7,460 lbs
	JIB SECTION - 14 TT15 15.10	34.5 ft	4.9 ft	7.9 ft	1	5,510 lbs
	JIB SECTION - 15 TT15 15.10	33.8 ft	4.9 ft	6.9 ft	1	4,218 lbs
	JIB SECTION - 16 TT15 15.05	17.4 ft	4.9 ft	6.6 ft	1	1,921 lbs
	JIB SECTION - 05 TT15 15.05	17.4 ft	4.9 ft	5.6 ft	1	1,647 lbs
	JIB SECTION - 06 TT15 15.05	17.1 ft	4.9 ft	5.6 ft	1	1,268 lbs
	JIB SECTION - 07 TT15 15.05	17.1 ft	4.9 ft	5.6 ft	1	988 lbs
	JIB SECTION - 08 TT15 15.05	17.1 ft	4.9 ft	5.6 ft	1	774 lbs
	JIB SECTION - 09 TT15 15.05	16.7 ft	4.9 ft	5.2 ft	1	701 lbs
	JIB SECTION - 10 TT15 15.05	16.7 ft	4.9 ft	5.2 ft	1	600 lbs
	JIB POINT 16t	5.6 ft	3 ft	5.2 ft	1	375 lbs
	TROLLEY 16t	7.2 ft	5.9 ft	3.9 ft	1	1,080 lbs
	HOIST WINCH UNIT FOR 30 TO 55 M JIB	3.9 ft	1.6 ft	6.6 ft	1	1,103 lbs

* including, ladders, platforms, assembly, equipment and strut mounting brackets



www.terexcranes.com

Effective Date: June 2010.

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