

ATF 110G-5

130 US t / 110 t MAX. CAPACITY

TIER 4f

ALL TERRAIN CRANE



2 ENGINES

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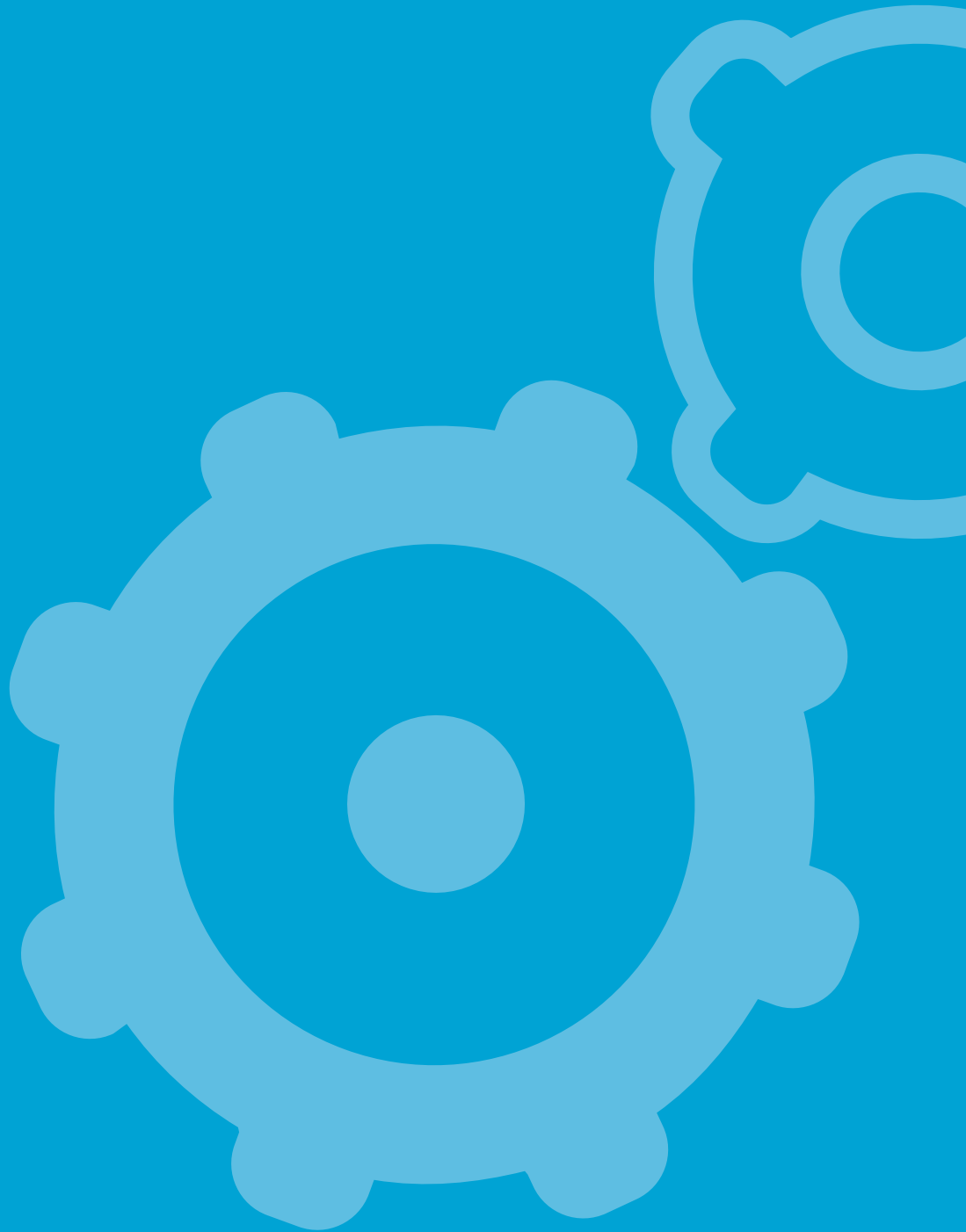
Additional information · Informations supplémentaires · Información adicional

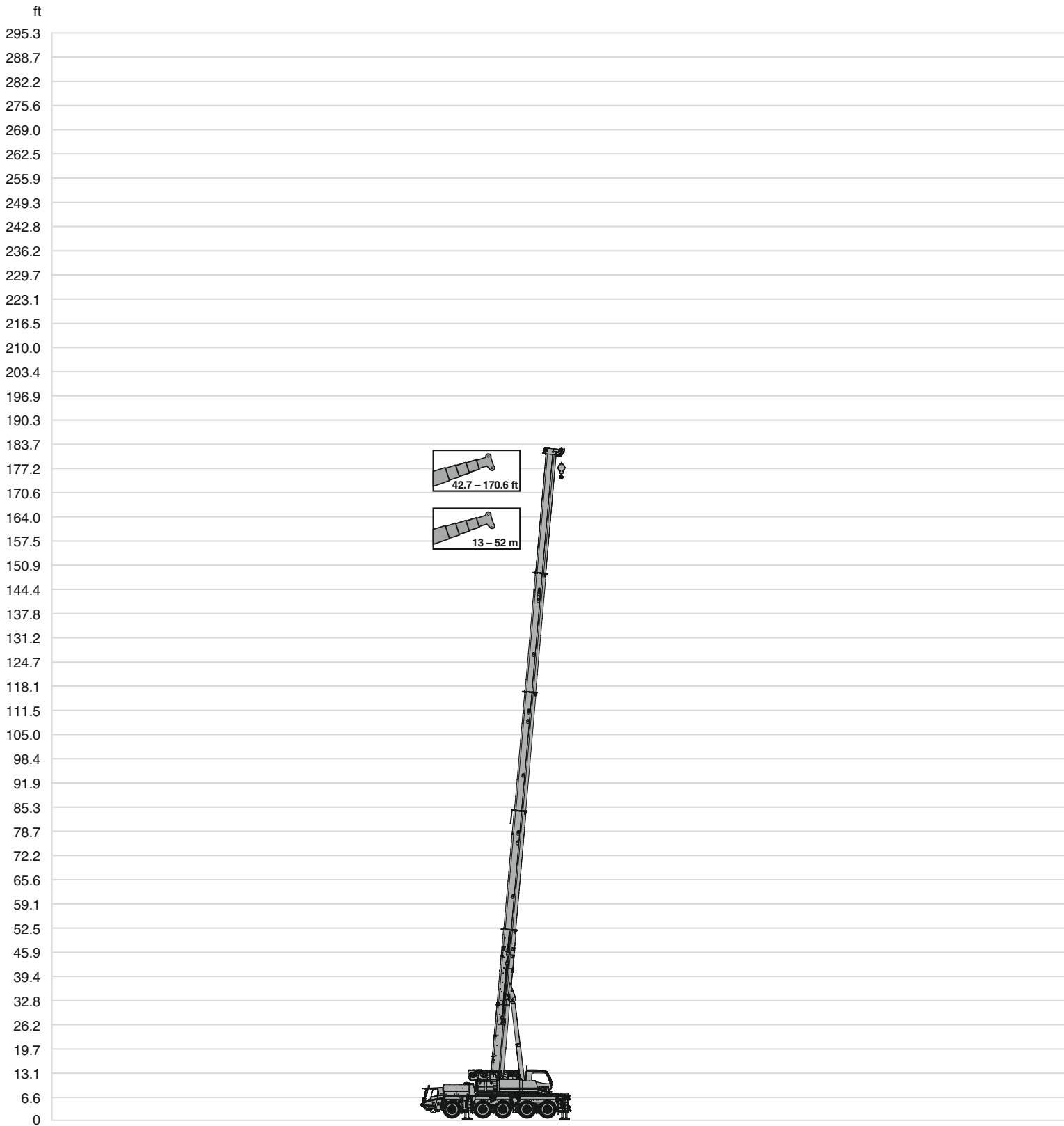
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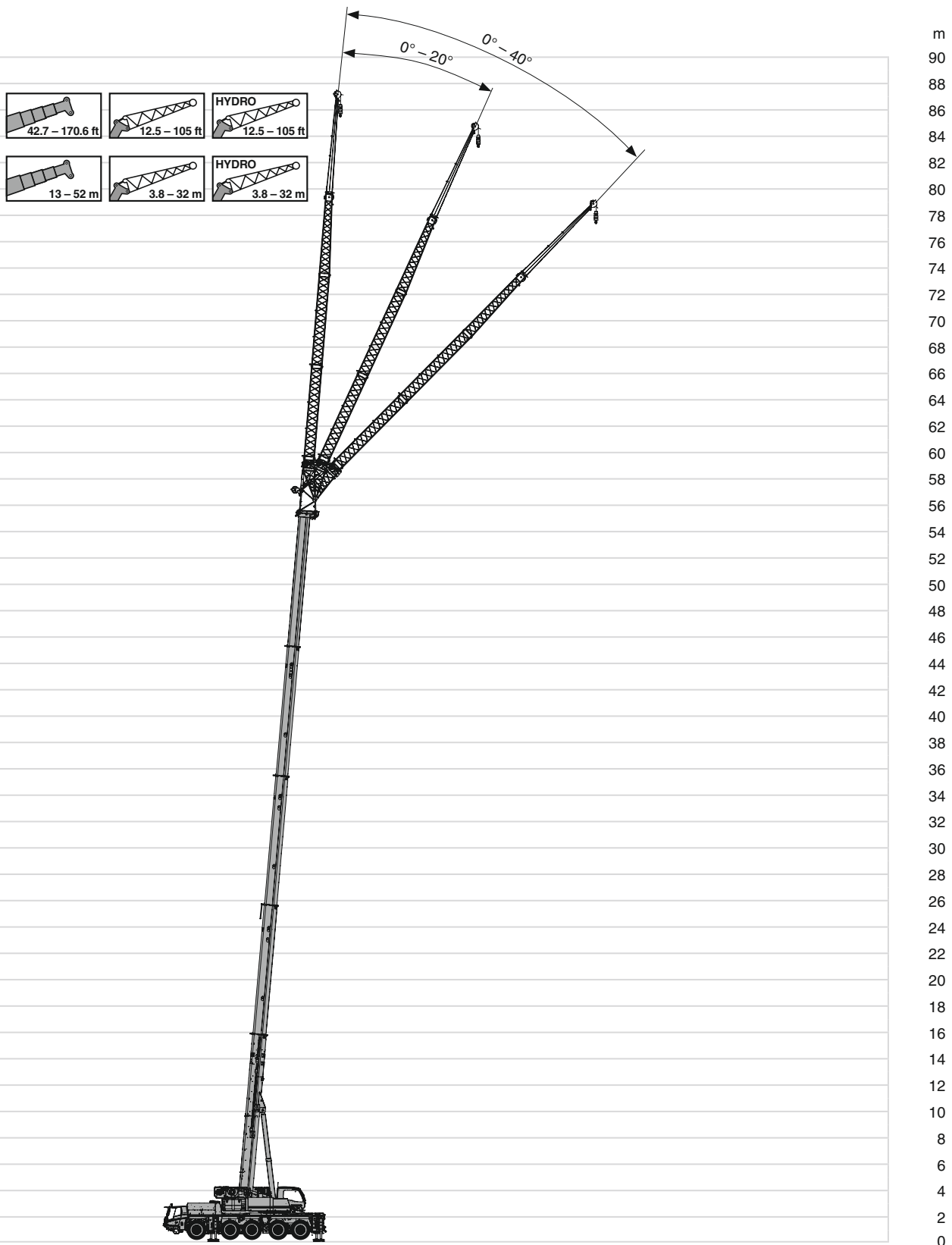
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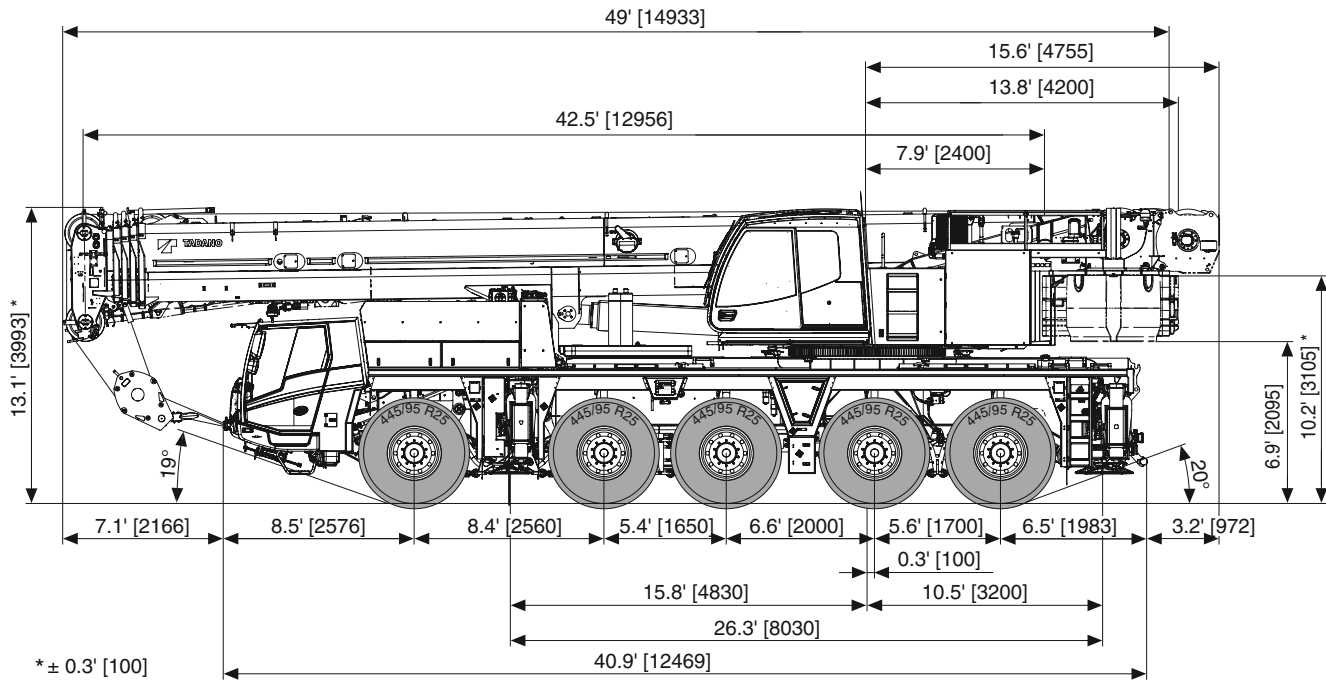
GENERAL TECHNICAL DATA

CARACTÉRISTIQUES TECHNIQUES GÉNÉRALES
DATOS TÉCNICOS GENERALES

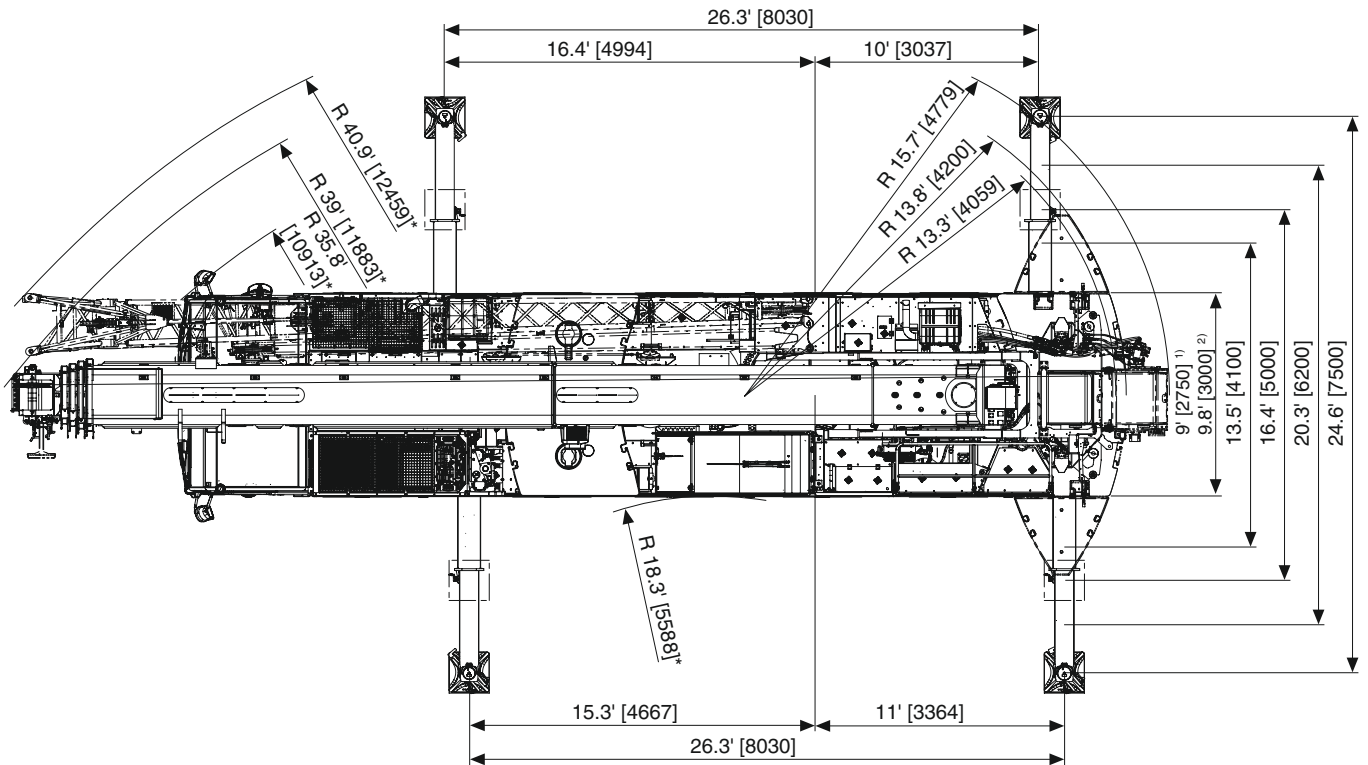






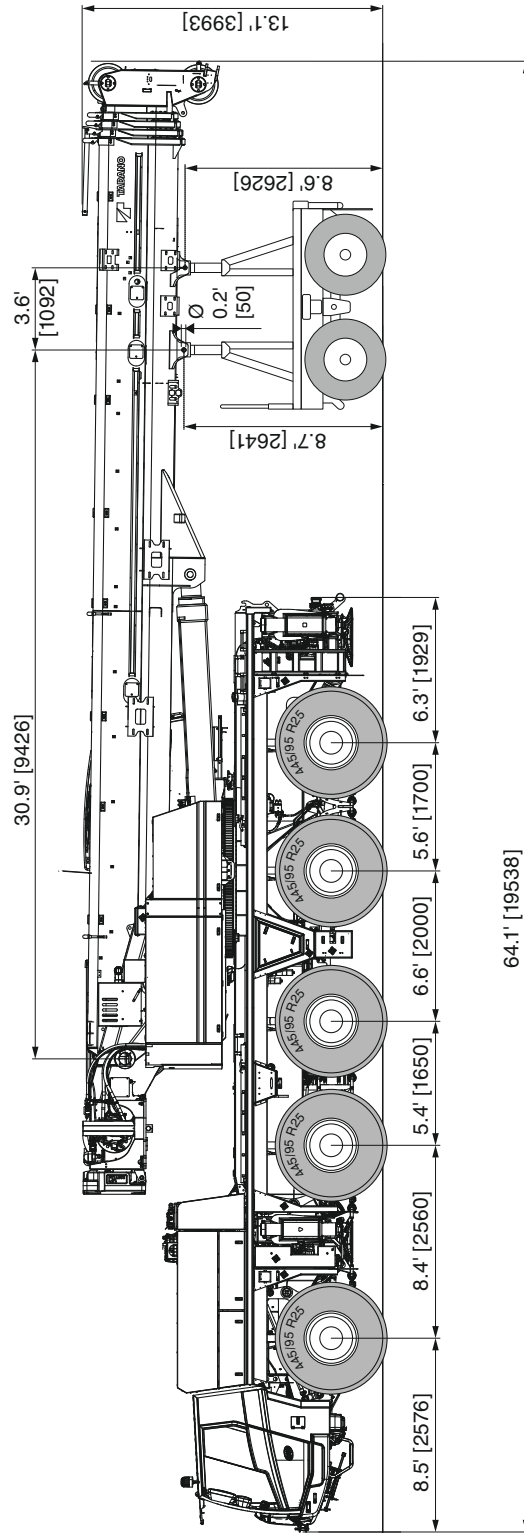


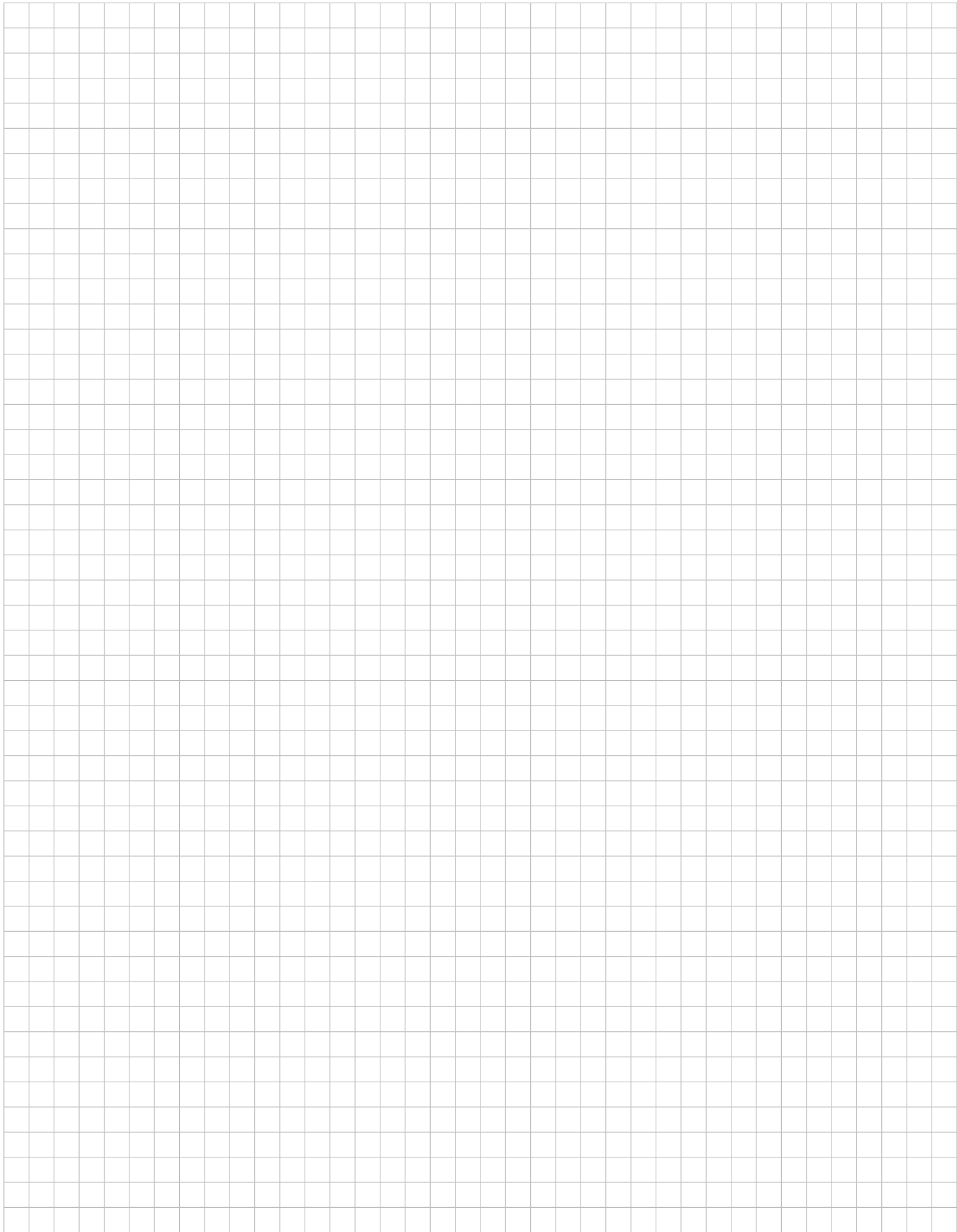
* ± 0.3' [100]



* Minimum turning radius · Rayon de braquage mini · Radio de viraje mínimo

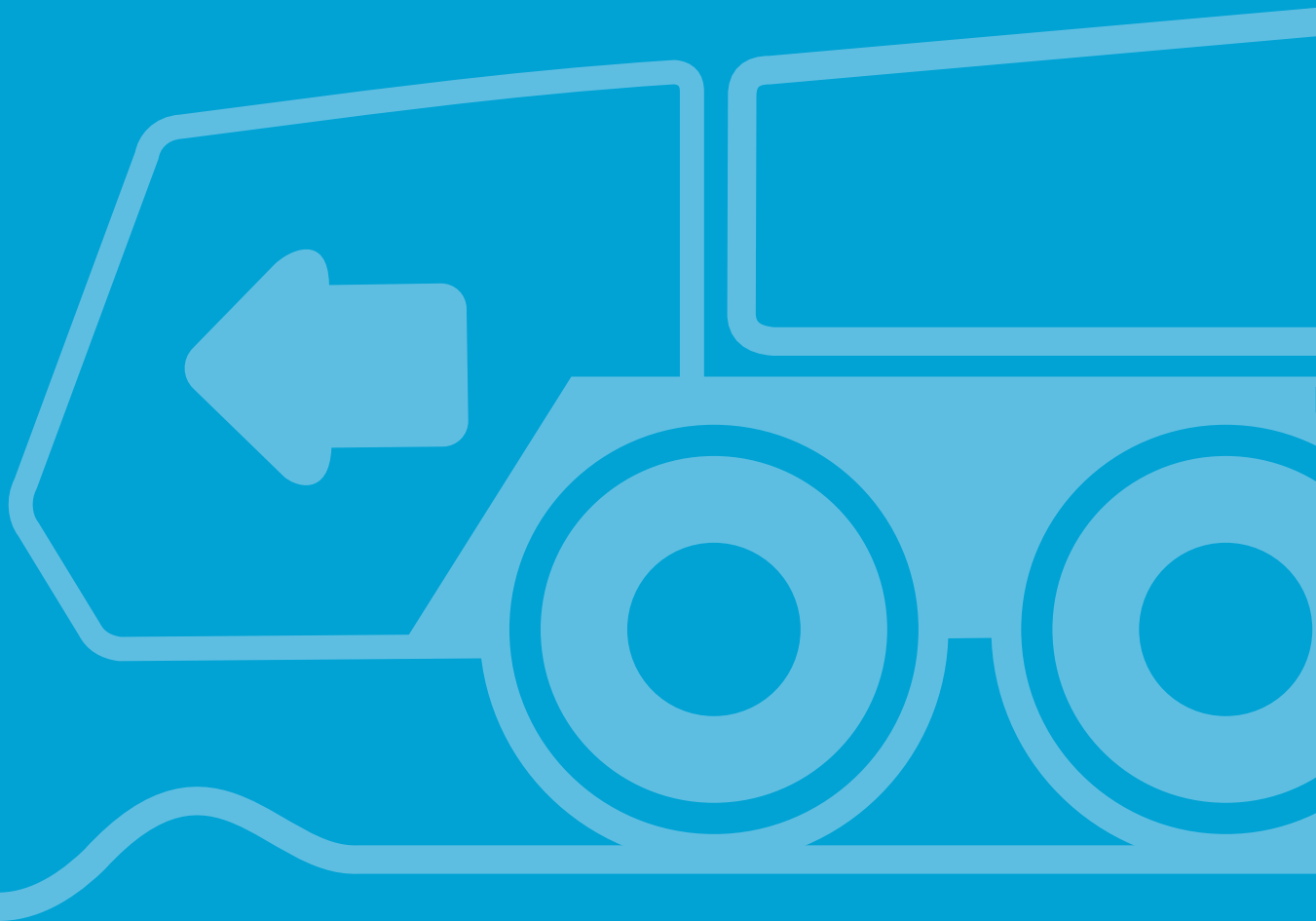
¹⁾ 445/95 R 25 (16.00 R 25)
²⁾ 525/80 R 25 (20.5 R 25)
















TECHNICAL DATA FOR ON-ROAD AND OFF-ROAD DRIVING

CARACTÉRISTIQUES TECHNIQUES POUR MARCHÉ ROUTE ET TOUT TERRAIN
DATOS TÉCNICOS PARA SU TRASLADO POR CARRETERA Y TODO TERRENO



Axle loads

Boom to front		TOTAL					
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	1. Standard equipment + 2. Optional equipment + 3. Others	120,054/ 54456	24,697/ 11202	24,709/ 11208	23,489/ 10654	23,611/ 10710	23,547/ 10681
1. Standard Equipment	See page 46; no counterweight	106,974/ 48523	22,213/ 10076	22,843/ 10361	20,528/ 9311	20,739/ 9407	20,651/ 9367
2. Optional Equipment (selection)	Drive 10 x 8	883/ 401	744/ 338	137/ 62	1/ 1	1/ 1	1/ 1
	Tyres 525/80R25 (20.50 R25) instead of 445/95R25 (16.00 R25)	1,500/ 681	299/ 135	299/ 135	301/ 137	301/ 136	301/ 137
	Towing hook at rear, including couplings for lights and brake	76/ 34	-29/ -13	-29/ -13	46/ 21	44/ 20	45/ 20
	Toolbox at rear (without wood storage)	198/ 90	-80/ -36	-79/ -36	121/ 55	117/ 53	118/ 54
	Auxiliary winch including rope	3,256/ 1477	-1,460/ -662	-1,449/ -657	2,095/ 950	2,026/ 919	2,044/ 927
	Hose drum for hydraulic jib (detachable)	393/ 178	327/ 148	324/ 147	-88/ -40	-85/ -38	-86/ -39
	Hydraulic jib fixed on main boom (transport position)	4,072/ 1847	2,610/ 1184	2,591/ 1175	-384/ -174	-371/ -168	-374/ -170
	Single top	141/ 64	151/ 68	150/ 68	-54/ -25	-52/ -24	-53/ 24
	Additional oil cooler	97/ 44	-7/ -3	-7/ -3	38/ 17	36/ 17	37/ 17
	Hook block 11.0 US t / 10 t (on carrier)	655/ 297	60/ 27	60/ 27	182/ 83	175/ 79	178/ 80
3. Others	Driver	198/ 90	172/ 78	170/ 77	-49/ -22	-47/ -21	-48/ -22
	Fuel in carrier	1,138/ 516	-237/ -107	-235/ -107	547/ 248	529/ 240	534/ 242
	Fuel in superstructure	474/ 215	-65/ -29	-64/ -29	205/ 93	198/ 90	200/ 91
Additional weight information	Hook block 35.3 US t / 32 t (hanging at main boom)	977/ 443	944/ 428	937/ 425	-308/ -140	-297/ -135	-300/ -136
	Hook block 69.4 US t / 63 t	1,323/ 600	1,322/ 600	1,312/ 595	-446/ -202	-431/ -195	-435/ -197
	Counterweight No. 1; 2,646 lbs/1.2 t (on carrier)	2,624/ 1190	901/ 409	894/ 406	281/ 128	272/ 123	275/ 125
	Counterweight No. 2; 6,614 lbs/3.0 t (on carrier)	6,546/ 2969	2,257/ 1024	2,240/ 1016	696/ 316	673/ 305	679/ 308
	Counterweight No. 2a; 3,087 lbs/1.4 t (on carrier)	3201/ 1452	1103/ 500	1095/ 497	341/ 155	330/ 150	332/ 151
	Counterweight No. 3; 5,071 lbs/2.3 t (on carrier)	4,922/ 2233	1,696/ 769	1,683/ 764	524/ 238	507/ 230	512/ 232
	2 x Counterweight No. 4; 2 x 6,614 lbs/2 x 3 t (on carrier)	12,833/ 5821	4,399/ 1996	4,367/ 1981	1,382/ 627	1,336/ 606	1,348/ 612
	Counterweight No. 5; 22,046 lbs/10 t (on carrier)	22,046/ 10000	7,611/ 3452	7,555/ 3427	2,339/ 1061	2,261/ 1026	2,281/ 1035
	Counterweight No. 7; 3,087 lbs/1.4 t (on carrier)	3,231/ 1466	-1,117/ -507	-1,109/ -503	1,855/ 841	1,793/ 813	1,809/ 821
	Counterweight No. 8; 3,307 lbs/1.5 t (on carrier)	3,304/ 1499	-1,405/ -637	-1,394/ -632	2,074/ 941	2,006/ 910	2,023/ 918






Boom over rear, supported by dolly (32.7 ft / 9.97 m behind boom pivot point)		TOTAL						
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	1. Standard equipment + 2. Optional equipment + 3. Others	120,054/ 54456	20,312/ 9213	20,356/ 9233	18,207/ 8259	18,504/ 8393	18,394/ 8343	24,282/ 11014
1. Standard Equipment	See page 46; no counterweight	106,974/ 48523	17,692/ 8025	18,355/ 8326	16,673/ 7563	17,012/ 7717	16,891/ 7662	20,349/ 9230
2. Optional Equipment (selection)	Drive 10 x 8	883/ 401	744/ 338	137/ 62	1/ 1	1/ 1	1/ 1	0/ 0
	Tyres 525/80R25 (20.50 R25) instead of 445/95R25 (16.00 R25)	1,500/ 681	299/ 135	299/ 135	301/ 137	301/ 136	301/ 137	0/ 0
	Towing hook at rear, including couplings for lights and brake	76/ 34	-29/ -13	-29/ -13	46/ 21	44/ 20	45/ 20	0/ 0
	Toolbox at rear (without wood storage)	198/ 90	-80/ -36	-79/ -36	121/ 55	117/ 53	118/ 54	0/ 0
	Auxiliary winch including rope	3,256/ 1477	1,455/ 660	1,444/ 655	121/ 55	117/ 53	118/ 54	0/ 0
	Hose drum for hydraulic jib (detachable)	393/ 178	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	393/ 178
	Hydraulic jib fixed on main boom (transport position)	4,072/ 1847	177/ 80	175/ 80	122/ 55	118/ 54	119/ 54	3,360/ 1524
	Single top	141/ 64	-10/ -4	-10/ -4	-7/ -3	-6/ -3	-6/ -3	180/ 82
	Additional oil cooler	97/ 44	7/ 3	7/ 3	28/ 13	27/ 12	28/ 13	0/ 0
	Hook block 11.0 US t / 10 t (on carrier)	655/ 297	60/ 27	60/ 27	182/ 83	175/ 79	178/ 80	0/ 0
3. Others	Driver	198/ 90	172/ 78	170/ 77	-49/ -22	-47/ -21	-48/ -22	0/ 0
	Fuel in carrier	1,138/ 516	-237/ -107	-235/ -107	547/ 248	529/ 240	534/ 242	0/ 0
	Fuel in superstructure	474/ 215	63/ 29	63/ 28	118/ 54	114/ 52	116/ 52	0/ 0
Additional weight information	Hook block 35.3 US t / 32 t (hanging at main boom)	977/ 443	-73/ -33	-72/ -33	-50/ -23	-49/ -22	-49/ -22	1,269/ 576
	Hook block 69.4 US t / 63 t	1,323/ 600	-98/ -45	-98/ -44	-68/ -31	-66/ -30	-66/ -30	1,719/ 780
	Counterweight No. 1; 2,646 lbs/1.2 t (on carrier)	2,624/ 1190	901/ 409	894/ 406	281/ 128	272/ 123	275/ 125	0/ 0
	Counterweight No. 2; 6,614 lbs/3.0 t (on carrier)	6,546/ 2969	2,257/ 1024	2,240/ 1016	696/ 316	673/ 305	679/ 308	0/ 0
	Counterweight No. 2a; 3,087 lbs/1.4 t (on carrier)	3201/ 1452	1103/ 500	1095/ 497	341/ 155	330/ 150	332/ 151	0/ 0
	Counterweight No. 3; 5,071 lbs/2.3 t (on carrier)	4,922/ 2233	1,696/ 769	1,683/ 764	524/ 238	507/ 230	512/ 232	0/ 0
	2 x Counterweight No. 4; 2 x 6,614 lbs/2 x 3 t (on carrier)	12,833/ 5821	4,399/ 1996	4,367/ 1981	1,382/ 627	1,336/ 606	1,348/ 612	0/ 0
	Counterweight No. 5; 22,046 lbs/10 t (on carrier)	22,046/ 10000	7,611/ 3452	7,555/ 3427	2,339/ 1061	2,261/ 1026	2,281/ 1035	0/ 0
	Counterweight No. 7; 3,087 lbs/1.4 t (on carrier)	3,231/ 1466	1,106/ 502	1,098/ 498	349/ 158	337/ 153	340/ 154	0/ 0
	Counterweight No. 8; 3,307 lbs/1.5 t (on carrier)	3,304/ 1499	1,394/ 632	1,383/ 627	179/ 81	173/ 78	175/ 79	0/ 0

Charges par essieu

Flèche vers l'avant		TOTAL					
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	1. Équipement standard + 2. équipement spécial + 3. autres	120,054/ 54456	24,697/ 11202	24,709/ 11208	23,489/ 10654	23,611/ 10710	23,547/ 10681
1. Équipement standard	Voir page 47; sans contrepoids	106,974/ 48523	22,213/ 10076	22,843/ 10361	20,528/ 9311	20,739/ 9407	20,651/ 9367
2. Équipement spécial (sélection)	Entraînement 10 x 8	883/ 401	744/ 338	137/ 62	1/ 1	1/ 1	1/ 1
	Pneus 525/80R25 (20.50 R25) au lieu de 445/95R25 (16.00 R25)	1,500/ 681	299/ 135	299/ 135	301/ 137	301/ 136	301/ 137
	Crochet de remorquage pour chariot de transport, y compris accouplements pour éclairage et frein	76/ 34	-29/ -13	-29/ -13	46/ 21	44/ 20	45/ 20
	Boîte d'outillage à l'arrière de l'engin (sans boîte de rangement de bois)	198/ 90	-80/ -36	-79/ -36	121/ 55	117/ 53	118/ 54
	Treuil auxiliaire y compris câble métallique	3,256/ 1477	-1,460/ -662	-1,449/ -657	2,095/ 950	2,026/ 919	2,044/ 927
	Tambour de flexible pour rallonge de flèche hydraulique (détachable)	393/ 178	327/ 148	324/ 147	-88/ -40	-85/ -38	-86/ -39
	Rallonge de flèche hydraulique fixée sur flèche principale (position de transport)	4,072/ 1847	2,610/ 1184	2,591/ 1175	-384/ -174	-371/ -168	-374/ -170
	Poulie simple	141/ 64	151/ 68	150/ 68	-54/ -25	-52/ -24	-53/ 24
	Radiateur supplémentaire	97/ 44	-7/ -3	-7/ -3	38/ 17	36/ 17	37/ 17
	Moufle 11.0 US t / 10 t (sur châssis)	655/ 297	60/ 27	60/ 27	182/ 83	175/ 79	178/ 80
3. Autres	Conducteur	198/ 90	172/ 78	170/ 77	-49/ -22	-47/ -21	-48/ -22
	Carburant dans le châssis	1,138/ 516	-237/ -107	-235/ -107	547/ 248	529/ 240	534/ 242
	Carburant dans la superstructure	474/ 215	-65/ -29	-64/ -29	205/ 93	198/ 90	200/ 91
Poids supplémentaires	Moufle 35.3 US t / 32 t (suspendue sur la flèche principale)	977/ 443	944/ 428	937/ 425	-308/ -140	-297/ -135	-300/ -136
	Moufle 69.4 US t / 63 t	1,323/ 600	1,322/ 600	1,312/ 595	-446/ -202	-431/ -195	-435/ -197
	Contrepoids n° 1; 2,646 lbs/1.2 t (sur châssis)	2,624/ 1190	901/ 409	894/ 406	281/ 128	272/ 123	275/ 125
	Contrepoids n° 2; 6,614 lbs/3.0 t (sur châssis)	6,546/ 2969	2,257/ 1024	2,240/ 1016	696/ 316	673/ 305	679/ 308
	Contrepoids n° 2a; 3,087 lbs/1.4 t (sur châssis)	3201/ 1452	1103/ 500	1095/ 497	341/ 155	330/ 150	332/ 151
	Contrepoids n° 3; 5,071 lbs/2.3 t (sur châssis)	4,922/ 2233	1,696/ 769	1,683/ 764	524/ 238	507/ 230	512/ 232
	2 x Contrepoids n° 4; 2 x 6,614 lbs/2 x 3 t (sur châssis)	12,833/ 5821	4,399/ 1996	4,367/ 1981	1,382/ 627	1,336/ 606	1,348/ 612
	Contrepoids n° 5; 22,046 lbs/10 t (sur châssis)	22,046/ 10000	7,611/ 3452	7,555/ 3427	2,339/ 1061	2,261/ 1026	2,281/ 1035
	Contrepoids n° 7; 3,087 lbs/1.4 t (sur châssis)	3,231/ 1466	-1,117/ -507	-1,109/ -503	1,855/ 841	1,793/ 813	1,809/ 821
	Contrepoids n° 8; 3,307 lbs/1.5 t (sur châssis)	3,304/ 1499	-1,405/ -637	-1,394/ -632	2,074/ 941	2,006/ 910	2,023/ 918

Flèche vers l'arrière, soutenue par chariot de transport "Dolly" (32.7 ft / 9.97 m derrière le point d'articulation de la flèche)		TOTAL						
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	1. Équipement standard + 2. équipement spécial + 3. autres	120,054/ 54456	20,312/ 9213	20,356/ 9233	18,207/ 8259	18,504/ 8393	18,394/ 8343	24,282/ 11014
1. Équipement standard	Voir page 47; sans contrepoids	106,974/ 48523	17,692/ 8025	18,355/ 8326	16,673/ 7563	17,012/ 7717	16,891/ 7662	20,349/ 9230
2. Équipement spécial (sélection)	Entraînement 10 x 8	883/ 401	744/ 338	137/ 62	1/ 1	1/ 1	1/ 1	0/ 0
	Pneus 525/80R25 (20.50 R25) au lieu de 445/95R25 (16.00 R25)	1,500/ 681	299/ 135	299/ 135	301/ 137	301/ 136	301/ 137	0/ 0
	Crochet de remorquage pour chariot de transport, y compris accouplements pour éclairage et frein	76/ 34	-29/ -13	-29/ -13	46/ 21	44/ 20	45/ 20	0/ 0
	Boîte d'outillage à l'arrière de l'engin (sans boîte de rangement de bois)	198/ 90	-80/ -36	-79/ -36	121/ 55	117/ 53	118/ 54	0/ 0
	Treuil auxiliaire y compris câble métallique	3,256/ 1477	1,455/ 660	1,444/ 655	121/ 55	117/ 53	118/ 54	0/ 0
	Tambour de flexible pour rallonge de flèche hydraulique (détachable)	393/ 178	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	393/ 178
	Rallonge de flèche hydraulique fixée sur flèche principale (position de transport)	4,072/ 1847	177/ 80	175/ 80	122/ 55	118/ 54	119/ 54	3,360/ 1524
	Poulie simple	141/ 64	-10/ -4	-10/ -4	-7/ -3	-6/ -3	-6/ -3	180/ 82
	Radiateur supplémentaire	97/ 44	7/ 3	7/ 3	28/ 13	27/ 12	28/ 13	0/ 0
	Moufle 11.0 US t / 10 t (sur châssis)	655/ 297	60/ 27	60/ 27	182/ 83	175/ 79	178/ 80	0/ 0
3. Autres	Conducteur	198/ 90	172/ 78	170/ 77	-49/ -22	-47/ -21	-48/ -22	0/ 0
	Carburant dans le châssis	1,138/ 516	-237/ -107	-235/ -107	547/ 248	529/ 240	534/ 242	0/ 0
	Carburant dans la superstructure	474/ 215	63/ 29	63/ 28	118/ 54	114/ 52	116/ 52	0/ 0
Poids supplémentaires	Moufle 35.3 US t / 32 t (suspendue sur la flèche principale)	977/ 443	-73/ -33	-72/ -33	-50/ -23	-49/ -22	-49/ -22	1,269/ 576
	Moufle 69.4 US t / 63 t	1,323/ 600	-98/ -45	-98/ -44	-68/ -31	-66/ -30	-66/ -30	1,719/ 780
	Contrepoids n° 1; 2,646 lbs/1.2 t (sur châssis)	2,624/ 1190	901/ 409	894/ 406	281/ 128	272/ 123	275/ 125	0/ 0
	Contrepoids n° 2; 6,614 lbs/3.0 t (sur châssis)	6,546/ 2969	2,257/ 1024	2,240/ 1016	696/ 316	673/ 305	679/ 308	0/ 0
	Contrepoids n° 2a; 3,087 lbs/1.4 t (sur châssis)	3201/ 1452	1103/ 500	1095/ 497	341/ 155	330/ 150	332/ 151	0/ 0
	Contrepoids n° 3; 5,071 lbs/2.3 t (sur châssis)	4,922/ 2233	1,696/ 769	1,683/ 764	524/ 238	507/ 230	512/ 232	0/ 0
	2 x Contrepoids n° 4; 2 x 6,614 lbs/2 x 3 t (sur châssis)	12,833/ 5821	4,399/ 1996	4,367/ 1981	1,382/ 627	1,336/ 606	1,348/ 612	0/ 0
	Contrepoids n° 5; 22,046 lbs/10 t (sur châssis)	22,046/ 10000	7,611/ 3452	7,555/ 3427	2,339/ 1061	2,261/ 1026	2,281/ 1035	0/ 0
	Contrepoids n° 7; 3,087 lbs/1.4 t (sur châssis)	3,231/ 1466	1,106/ 502	1,098/ 498	349/ 158	337/ 153	340/ 154	0/ 0
	Contrepoids n° 8; 3,307 lbs/1.5 t (sur châssis)	3,304/ 1499	1,394/ 632	1,383/ 627	179/ 81	173/ 78	175/ 79	0/ 0





Cargas por eje

Pluma dirigida hacia delante		TOTAL					
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	1. Equipamiento estándar + 2. Equipamiento especial + 3. Otros	120,054/ 54456	24,697/ 11202	24,709/ 11208	23,489/ 10654	23,611/ 10710	23,547/ 10681
1. Equipamiento estándar	Ver páginas 48; sin contrapeso	106,974/ 48523	22,213/ 10076	22,843/ 10361	20,528/ 9311	20,739/ 9407	20,651/ 9367
2. Equipamiento especial (selección)	Tracción 10 x 8	883/ 401	744/ 338	137/ 62	1/ 1	1/ 1	1/ 1
	Neumáticos 525/80R25 (20.50 R25) en lugar de 445/95R25 (16.00 R25)	1,500/ 681	299/ 135	299/ 135	301/ 137	301/ 136	301/ 137
	Dispositivo de enganche para remolque, incluyendo los acoplamientos para iluminación y frenos	76/ 34	-29/ -13	-29/ -13	46/ 21	44/ 20	45/ 20
	Caja de herramientas en la parte trasera (sin caja para maderos)	198/ 90	-80/ -36	-79/ -36	121/ 55	117/ 53	118/ 54
	Torno auxiliar incluyendo el cable	3,256/ 1477	-1,460/ -662	-1,449/ -657	2,095/ 950	2,026/ 919	2,044/ 927
	Tambor de manguera para alargamiento de pluma hidráulico (desmontable)	393/ 178	327/ 148	324/ 147	-88/ -40	-85/ -38	-86/ -39
	Alargamiento de pluma hidráulica fijado sobre pluma principal (posición de transporte)	4,072/ 1847	2,610/ 1184	2,591/ 1175	-384/ -174	-371/ -168	-374/ -170
	Rodillo antepuesto	141/ 64	151/ 68	150/ 68	-54/ -25	-52/ -24	-53/ 24
	Radiator de aceite adicional	97/ 44	-7/ -3	-7/ -3	38/ 17	36/ 17	37/ 17
	Motón 11.0 US t / 10 t (encima del chasis)	655/ 297	60/ 27	60/ 27	182/ 83	175/ 79	178/ 80
3. Otros	Conductor	198/ 90	172/ 78	170/ 77	-49/ -22	-47/ -21	-48/ -22
	Combustible en el chasis	1,138/ 516	-237/ -107	-235/ -107	547/ 248	529/ 240	534/ 242
	Combustible en la superestructura	474/ 215	-65/ -29	-64/ -29	205/ 93	198/ 90	200/ 91
Pesos adicionales	Motón 35.3 US t / 32 t (suspendido desde la pluma principal)	977/ 443	944/ 428	937/ 425	-308/ -140	-297/ -135	-300/ -136
	Motón 69.4 US t / 63 t	1,323/ 600	1,322/ 600	1,312/ 595	-446/ -202	-431/ -195	-435/ -197
	Contrapeso N° 1; 2,646 lbs/1.2 t (encima del chasis)	2,624/ 1190	901/ 409	894/ 406	281/ 128	272/ 123	275/ 125
	Contrapeso N° 2; 6,614 lbs/3.0 t (encima del chasis)	6,546/ 2969	2,257/ 1024	2,240/ 1016	696/ 316	673/ 305	679/ 308
	Contrapeso N° 2a; 3,087 lbs/1.4 t (encima del chasis)	3201/ 1452	1103/ 500	1095/ 497	341/ 155	330/ 150	332/ 151
	Contrapeso N° 3; 5,071 lbs/2.3 t (encima del chasis)	4,922/ 2233	1,696/ 769	1,683/ 764	524/ 238	507/ 230	512/ 232
	2 x Contrapeso N° 4; 2 x 6,614 lbs/2 x 3 t (encima del chasis)	12,833/ 5821	4,399/ 1996	4,367/ 1981	1,382/ 627	1,336/ 606	1,348/ 612
	Contrapeso N° 5; 22,046 lbs/10 t (encima del chasis)	22,046/ 10000	7,611/ 3452	7,555/ 3427	2,339/ 1061	2,261/ 1026	2,281/ 1035
	Contrapeso N° 7; 3,087 lbs/1.4 t (encima del chasis)	3,231/ 1466	-1,117/ -507	-1,109/ -503	1,855/ 841	1,793/ 813	1,809/ 821
	Contrapeso N° 8; 3,307 lbs/1.5 t (encima del chasis)	3,304/ 1499	-1,405/ -637	-1,394/ -632	2,074/ 941	2,006/ 910	2,023/ 918

Pluma hacia atrás, apoyada por carro tipo dolly (32.7 ft / 9.97 m detrás punto de articulación de la pluma)		TOTAL						
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	1. Equipamiento estándar + 2. Equipamiento especial + 3. Otros	120,054/ 54456	20,312/ 9213	20,356/ 9233	18,207/ 8259	18,504/ 8393	18,394/ 8343	24,282/ 11014
1. Equipamiento estándar	Ver páginas 48; sin contrapeso	106,974/ 48523	17,692/ 8025	18,355/ 8326	16,673/ 7563	17,012/ 7717	16,891/ 7662	20,349/ 9230
2. Equipamiento especial (selección)	Tracción 10 x 8	883/ 401	744/ 338	137/ 62	1/ 1	1/ 1	1/ 1	0/ 0
	Neumáticos 525/80R25 (20.50 R25) en lugar de 445/95R25 (16.00 R25)	1,500/ 681	299/ 135	299/ 135	301/ 137	301/ 136	301/ 137	0/ 0
	Dispositivo de enganche para remolque, incluyendo los acoplamientos para iluminación y frenos	76/ 34	-29/ -13	-29/ -13	46/ 21	44/ 20	45/ 20	0/ 0
	Caja de herramientas en la parte trasera (sin caja para maderos)	198/ 90	-80/ -36	-79/ -36	121/ 55	117/ 53	118/ 54	0/ 0
	Torno auxiliar incluyendo el cable	3,256/ 1477	1,455/ 660	1,444/ 655	121/ 55	117/ 53	118/ 54	0/ 0
	Tambor de manguera para alargamiento de pluma hidráulico (desmontable)	393/ 178	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	393/ 178
	Alargamiento de pluma hidráulica fijado sobre pluma principal (posición de transporte)	4,072/ 1847	177/ 80	175/ 80	122/ 55	118/ 54	119/ 54	3,360/ 1524
	Rodillo antepuesto	141/ 64	-10/ -4	-10/ -4	-7/ -3	-6/ -3	-6/ -3	180/ 82
	Radiator de aceite adicional	97/ 44	7/ 3	7/ 3	28/ 13	27/ 12	28/ 13	0/ 0
	Motón 11.0 US t / 10 t (encima del chasis)	655/ 297	60/ 27	60/ 27	182/ 83	175/ 79	178/ 80	0/ 0
3. Otros	Conductor	198/ 90	172/ 78	170/ 77	-49/ -22	-47/ -21	-48/ -22	0/ 0
	Combustible en el chasis	1,138/ 516	-237/ -107	-235/ -107	547/ 248	529/ 240	534/ 242	0/ 0
	Combustible en la superestructura	474/ 215	63/ 29	63/ 28	118/ 54	114/ 52	116/ 52	0/ 0
Pesos adicionales	Motón 35.3 US t / 32 t (suspendido desde la pluma principal)	977/ 443	-73/ -33	-72/ -33	-50/ -23	-49/ -22	-49/ -22	1,269/ 576
	Motón 69.4 US t / 63 t	1,323/ 600	-98/ -45	-98/ -44	-68/ -31	-66/ -30	-66/ -30	1,719/ 780
	Contrapeso N° 1; 2,646 lbs/1.2 t (encima del chasis)	2,624/ 1190	901/ 409	894/ 406	281/ 128	272/ 123	275/ 125	0/ 0
	Contrapeso N° 2; 6,614 lbs/3.0 t (encima del chasis)	6,546/ 2969	2,257/ 1024	2,240/ 1016	696/ 316	673/ 305	679/ 308	0/ 0
	Contrapeso N° 2a; 3,087 lbs/1.4 t (encima del chasis)	3201/ 1452	1103/ 500	1095/ 497	341/ 155	330/ 150	332/ 151	0/ 0
	Contrapeso N° 3; 5,071 lbs/2.3 t (encima del chasis)	4,922/ 2233	1,696/ 769	1,683/ 764	524/ 238	507/ 230	512/ 232	0/ 0
	2 x Contrapeso N° 4; 2 x 6,614 lbs/2 x 3 t (encima del chasis)	12,833/ 5821	4,399/ 1996	4,367/ 1981	1,382/ 627	1,336/ 606	1,348/ 612	0/ 0
	Contrapeso N° 5; 22,046 lbs/10 t (encima del chasis)	22,046/ 10000	7,611/ 3452	7,555/ 3427	2,339/ 1061	2,261/ 1026	2,281/ 1035	0/ 0
	Contrapeso N° 7; 3,087 lbs/1.4 t (encima del chasis)	3,231/ 1466	1,106/ 502	1,098/ 498	349/ 158	337/ 153	340/ 154	0/ 0
	Contrapeso N° 8; 3,307 lbs/1.5 t (encima del chasis)	3,304/ 1499	1,394/ 632	1,383/ 627	179/ 81	173/ 78	175/ 79	0/ 0










On-road and off-road driving · Marche route et tout terrain · Traslado por carretera y todoterreno

Speeds and gradeability · Vitesses de conduite et gravisement de pente · Velocidades y pendientes superables

			
445/95 R 25 / 525/80 R 25	52.8 mph max. 85 km/h max.	25.5 mph max. 41 km/h max.	63 % / 48 %

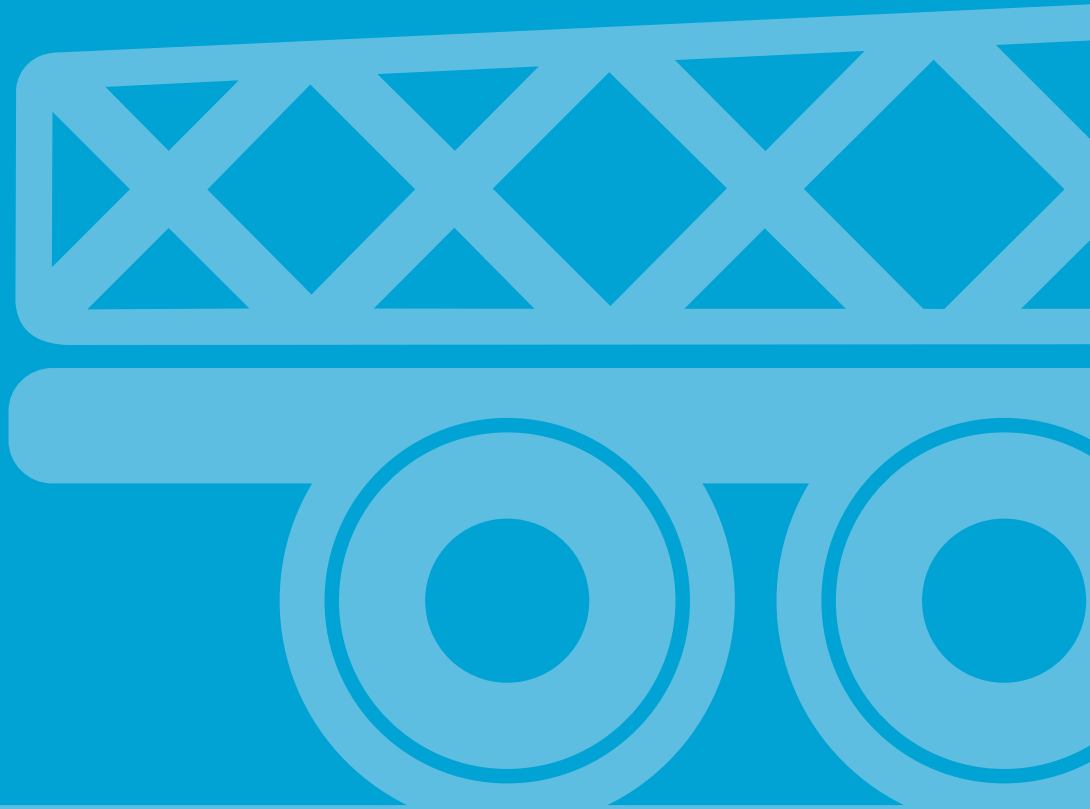
* Depending on axle loads · En fonction des charges par essieu · Según los cargos por ejes

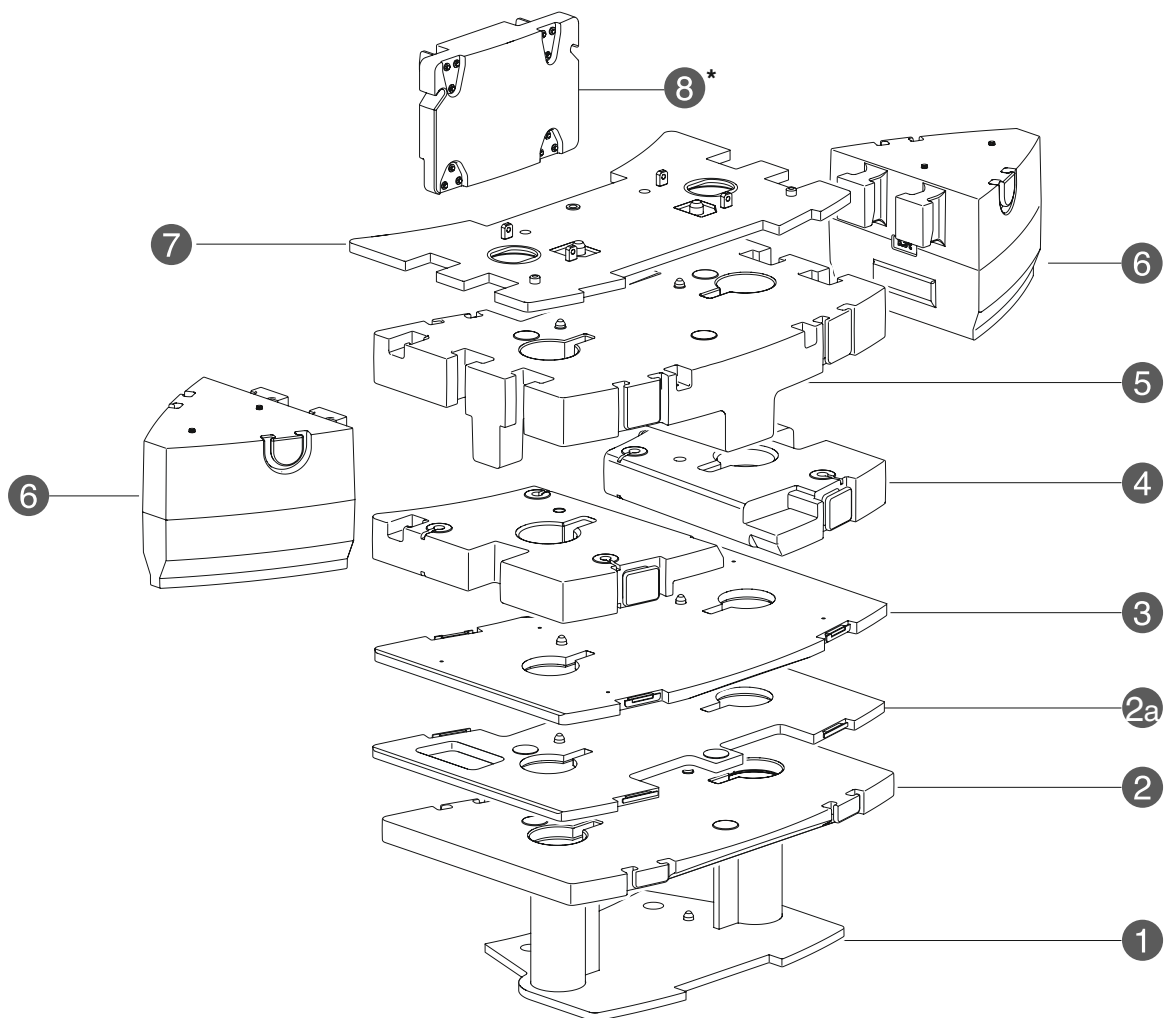
Steering · Direction · Dirección

		v < 15.5 mph v < 25 km/h
		v ≥ 15.5 mph v ≥ 25 km/h
		v > 31.1 mph v > 50 km/h
		Manual steering · Direction manuelle · Dirección manual
		Smallest turning circle · Rayon de braquage mini · Mínimo radio
		Diagonal steering · Marche en crabe · Marcha cangrejo
		Rear veering suppression · Suppression de déboîtement AR Supresión de movimiento transversal de parte posterior

TECHNICAL DATA FOR TRANSPORT

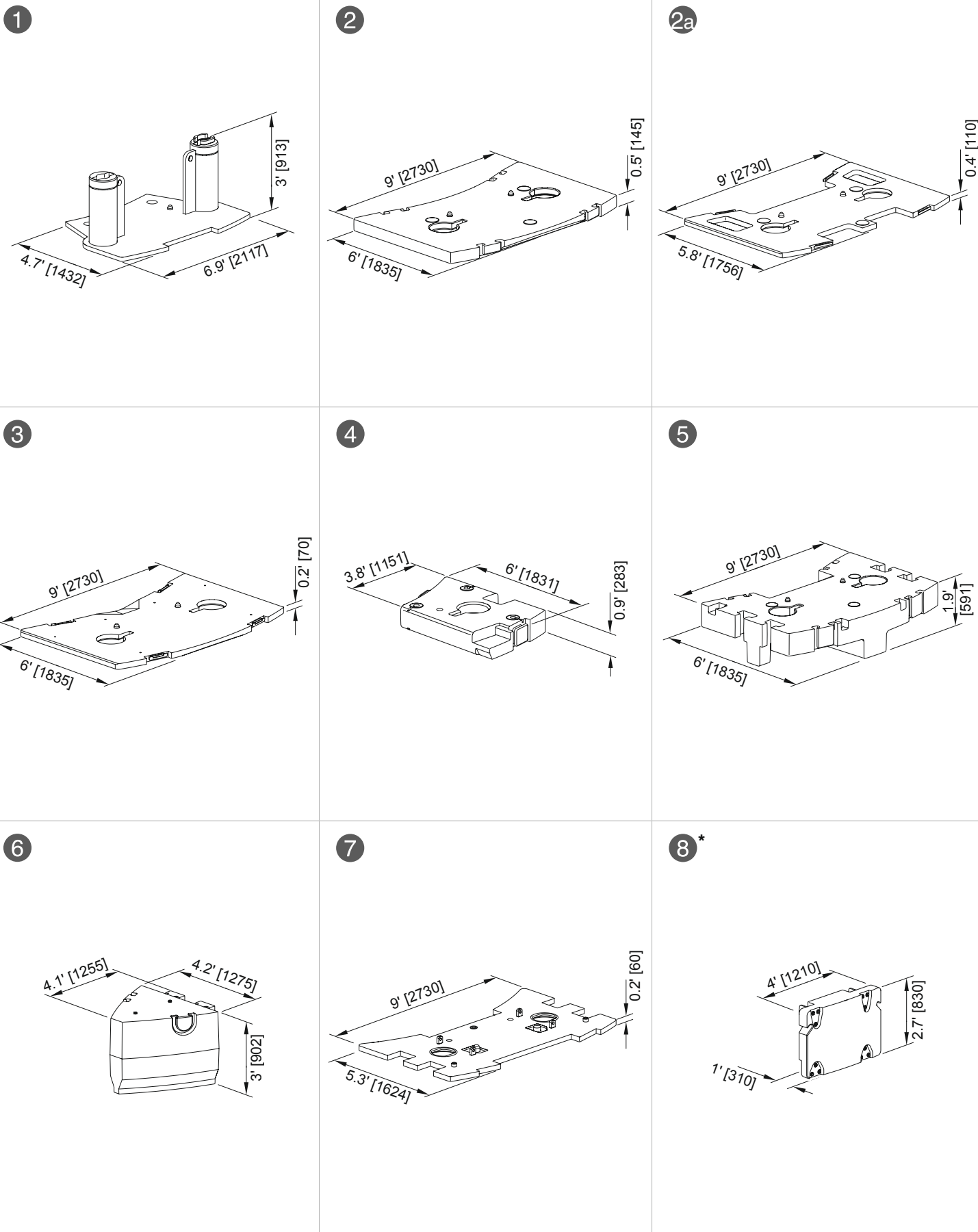
CARACTÉRISTIQUES TECHNIQUES POUR LE TRANSPORT
DATOS TÉCNICOS PARA EL TRANSPORTE



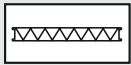
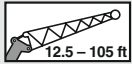

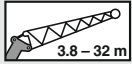
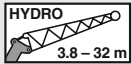


		3,307 lbs	6,393 lbs	18,739 lbs	23,810 lbs	37,038 lbs	40,786 lbs	45,856 lbs	54,013 lbs	59,084 lbs	82,453 lbs
		1.5 t	2.9 t	8.5 t	10.8 t	16.8 t	18.5 t	20.8 t	24.5 t	26.8 t	37.4 t
①	2,646 lbs 1.2 t	-	-	1	1	1	1	1	1	1	1
②	6,614 lbs 3.0 t	-	-	1	1	1	1	1	1	1	1
② _a	3,087 lbs 1.4 t	-	-	1	1	1	1	1	1	1	1
③	5,070 lbs 2.3 t	-	-	-	1	1	-	1	-	1	1
④	6,614 lbs 3.0 t	-	-	-	-	2	-	-	2	2	2
⑤	22,046 lbs 10.0 t	-	-	-	-	-	1	1	1	1	1
⑥	11,684 lbs 5.3 t	-	-	-	-	-	-	-	-	-	2
⑦	3,087 lbs 1.4 t	-	1	1	1	1	1	1	1	1	1
⑧*	3,307 lbs 1.5 t	1	1	1	1	1	1	1	1	1	1

* Can be replaced by 2nd winch - Peut être remplacé par un 2e treuil - Sustituible por 2º cabrestante



* Can be replaced by 2nd winch · Peut être remplacé par un 2e treuil · Sustituible por 2° cabrestante

	ft	m	
	3.3 ft + 9.2 ft	1 m + 2.8 m	①
	3.3 ft + 30.2 ft	1 m + 9.2 m	① + ③
	3.3 ft + 55.8 ft	1 m + 17 m	① + ③ + ④
	3.3 ft + 78.7 ft	1 m + 24 m	① + ② + ③ + ④
	3.3 ft + 101.7 ft	1 m + 31 m	① + ② + ② + ③ + ④

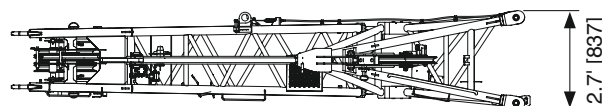
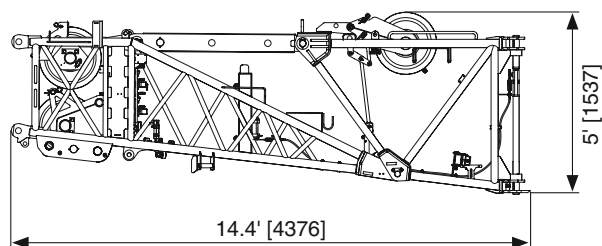
①



1,896



860



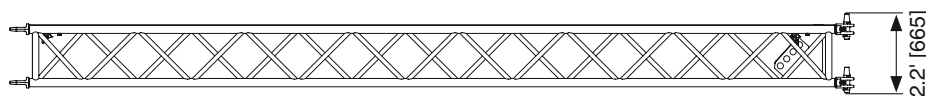
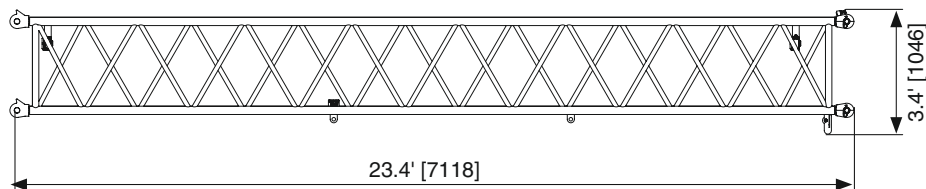
②



1,058



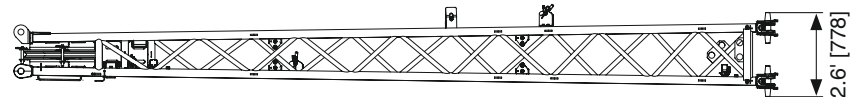
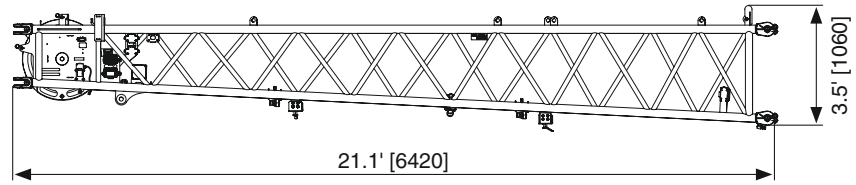
480



3



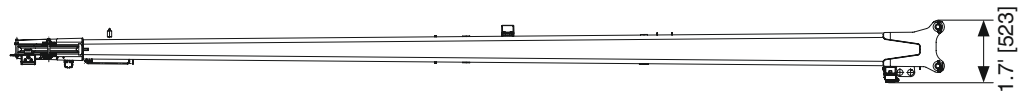
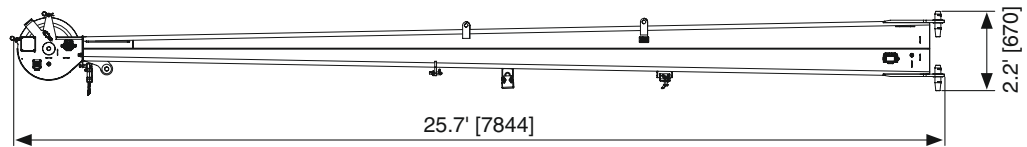
1,036 470



4



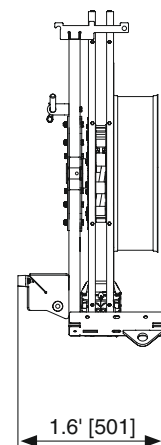
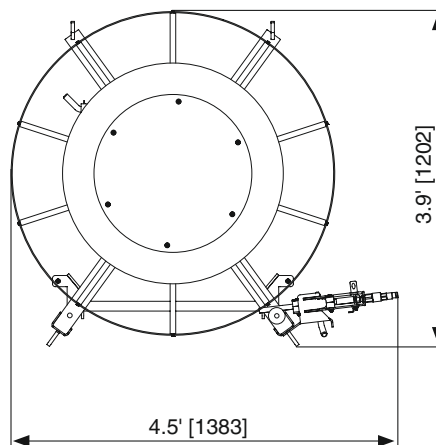
917 416



Hose drum for hydraulic jib · Tambour de flexible pour fléchette hydraulique · Devanadera para plumín hidráulico

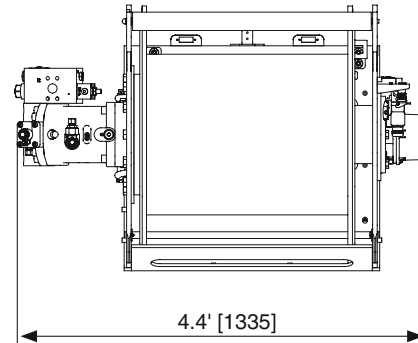
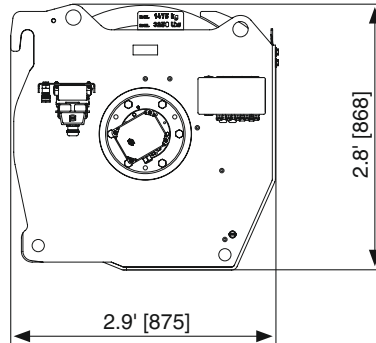


386 175





2,050/ 930/
3,252* 1475*



* with rope · avec câble · con cable

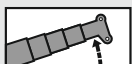

TECHNICAL DATA FOR OPERATION

CARACTÉRISTIQUES TECHNIQUES POUR L'UTILISATION
DATOS TÉCNICOS PARA EL USO




Operation · Utilisation · Uso






Main boom · Flèche principale · Pluma principal

	-2° – 82°	~ 42 s
	42.7 ft – 170.6 ft 13 m – 52 m	~ 380 s






Swing mechanism · Groupe de rotation · Mecanismo de giro

	0 – 1.7 min ⁻¹		0° / 180°
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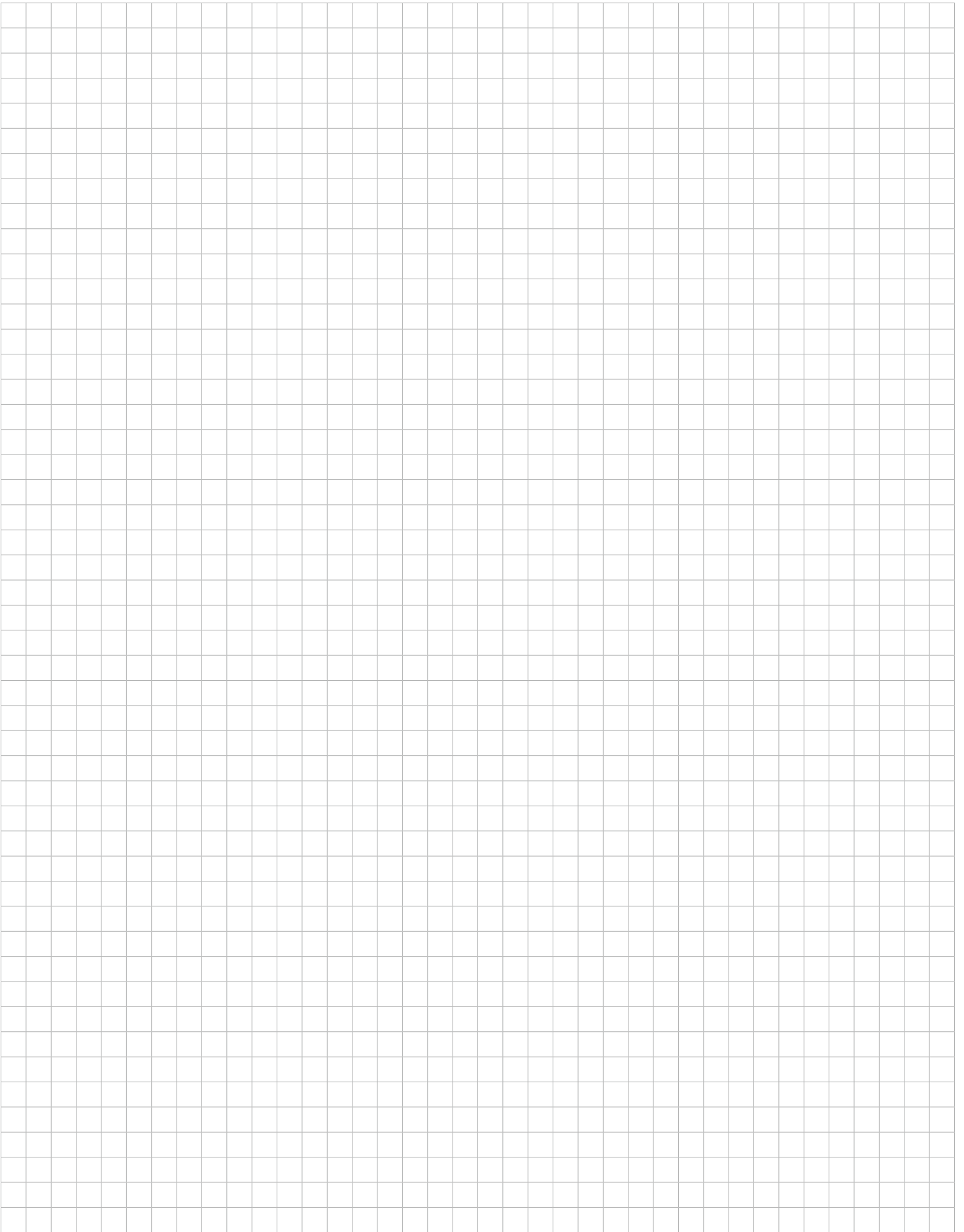
Winches · Treuils · Cabrestantes

			
	0 – 427 ft/min 0 – 130 m/min	0.83 in / 820.2 ft 21 mm / 250 m	19,109 lbs / 85 kN
	0 – 427 ft/min 0 – 130 m/min	0.83 in / 820.2 ft 21 mm / 250 m	19,109 lbs / 85 kN

Hook blocks · Moufles · Pastecas de carga

				
176.4 US t* / 160 t*	242,508 / 110	7	15	2,866 / 1300
110.2 US t* / 100 t*	202,163 / 91.7	5	11	1,764 / 800
69.4 US t* / 63 t*	130,072 / 59	3	7	1,323 / 600
69.4 US t / 63 t	130,072 / 59	3	7	1,323 / 600
35.3 US t / 32 t	56,438 / 25.6	1	3	992 / 450
11.0 US t / 10 t	19,180 / 8.7	0	1	661 / 300

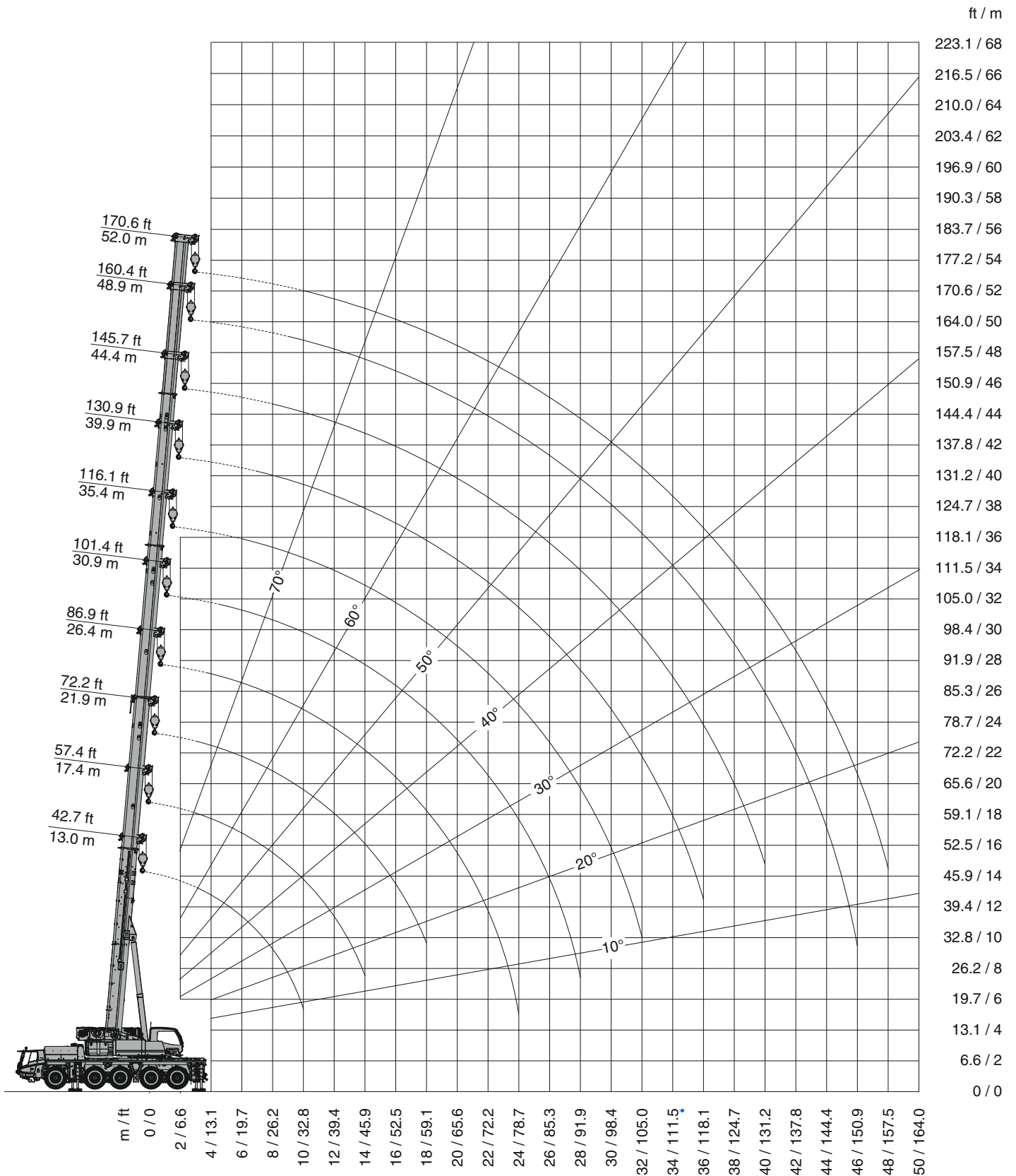
* Twin hook · Moufle avec crochet marin · Gancho doble



Working range · Rayon de travail · Zona de trabajo

 42.7 – 170.6 ft
 ← 24.6 ft →
 360°
82,453 lbs
ASME

 13 – 52 m
 ← 7.5 m →
 360°
37.4 t
ASME



Lifting capacities · Charges de levage · Cargas




82,453 lbs


lbs x 1,000

ft	42.7 ft*	42.7 ft	57.4 ft	72.2 ft	86.9 ft	101.4 ft	116.1 ft	130.9 ft	145.7 ft	160.4 ft	170.6 ft
9.8	264.6**	242.5**	194.0	162.5							
11.5	233.7	222.9	194.0	162.5	121.3						
13.1	216.5	204.4	194.0	161.8	121.3						
14.8	201.7	188.1	186.7	149.9	121.3	87.3					
16.4	188.7	173.9	172.6	139.6	121.3	87.3					
19.7	166.4	150.8	149.3	122.4	114.2	87.3	67.9				
23.0	147.5	131.6	129.9	121.3	114.0	87.3	67.9	53.4			
26.2	130.5	115.5	115.7	114.9	112.7	86.9	67.9	53.4	43.7		
29.5	113.1	102.5	104.1	104.1	102.1	84.9	67.9	53.4	43.7	34.0	
32.8	91.3	91.3	93.3	93.3	95.0	84.9	67.9	53.4	43.7	34.0	27.8
36.1			84.2	84.4	86.0	83.8	62.8	53.4	43.7	34.0	27.8
39.4			76.5	78.5	78.5	77.2	58.9	53.4	43.7	34.0	27.8
45.9			63.1	64.2	63.9	62.6	53.1	48.3	43.7	34.0	27.8
52.5				52.5	52.2	50.9	48.1	42.5	40.1	34.0	27.8
59.1				44.1	43.9	42.5	43.7	37.9	35.7	34.0	27.8
65.6					37.3	36.2	37.5	34.2	32.0	31.1	26.2
72.2					32.2	32.8	32.4	31.1	29.5	28.0	24.0
78.7					26.9	29.3	28.2	28.0	26.9	25.4	22.0
85.3						25.8	24.7	25.1	24.7	23.1	20.3
91.9						22.9	21.8	22.3	22.3	21.2	18.7
98.4							19.8	19.8	19.6	18.7	17.2
105.0							18.7	17.9	17.6	16.5	15.9
111.5								16.3	15.7	14.8	14.8
118.1								14.8	14.1	13.2	13.2
124.7									12.8	11.7	11.9
131.2									11.5	10.6	10.6
137.8									10.4	9.5	9.5
144.4										8.4	8.4
150.9										7.5	7.5
157.5											6.6




59,084 lbs


lbs x 1,000

ft	42.7 ft*	42.7 ft	57.4 ft	72.2 ft	86.9 ft	101.4 ft	116.1 ft	130.9 ft	145.7 ft	160.4 ft	170.6 ft
9.8	242.5**	241.0**	194.0	162.5							
11.5	233.7	218.9	194.0	162.5	121.3						
13.1	216.5	200.4	194.0	161.8	121.3						
14.8	201.7	184.1	182.8	149.9	121.3	87.3					
16.4	188.7	170.0	168.7	139.6	121.3	87.3					
19.7	166.4	145.1	143.3	122.4	114.2	87.3	67.9				
23.0	147.5	125.0	123.5	121.3	114.0	87.3	67.9	53.4			
26.2	126.8	109.3	110.9	111.1	109.8	86.9	67.9	53.4	43.7		
29.5	102.5	96.8	98.3	98.3	98.1	84.9	67.9	53.4	43.7	34.0	
32.8	85.5	85.5	87.5	88.8	86.0	80.5	67.9	53.4	43.7	34.0	27.8
36.1			74.7	77.2	76.1	71.4	62.8	53.4	43.7	34.0	27.8
39.4			66.1	67.2	67.0	64.2	58.9	53.4	43.7	34.0	27.8
45.9			51.6	52.9	52.7	51.1	52.2	47.2	43.7	34.0	27.8
52.5				42.8	42.5	42.8	42.8	41.7	39.2	34.0	27.8
59.1				35.3	35.1	36.4	35.3	35.7	34.4	33.5	27.8
65.6					31.1	30.6	30.0	30.0	30.0	28.9	26.2
72.2					26.9	26.2	26.7	26.0	25.6	24.5	24.0
78.7						23.4	22.7	23.1	22.5	22.0	20.9
85.3							20.3	20.3	19.6	19.2	18.1
91.9							17.9	17.9	17.2	16.8	15.7
98.4								15.9	15.2	14.6	13.7
105.0								14.1	13.4	12.8	11.9
111.5									11.9	11.2	10.4
118.1									10.6	9.9	9.0
124.7										8.8	7.9
131.2										7.7	6.8
137.8										6.8	6.0
144.4											6.0
150.9											5.1
157.5											4.4

* Over rear · A l'arrière · Hacia atrás

** With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional

lbs x 1,000

ft	42.7 ft*	42.7 ft	57.4 ft	72.2 ft	86.9 ft	101.4 ft	116.1 ft	130.9 ft	145.7 ft	160.4 ft	170.6 ft
9.8	242.5**	240.1**	194.0	162.5							
11.5	233.7	218.3	194.0	162.5	121.3						
13.1	216.5	199.5	194.0	161.8	121.3						
14.8	201.7	183.2	181.9	149.9	121.3	87.3					
16.4	188.7	169.1	167.6	139.6	121.3	87.3					
19.7	166.4	143.5	141.8	122.4	114.2	87.3	67.9				
23.0	147.5	123.7	121.9	121.3	114.0	87.3	67.9	53.4			
26.2	121.3	108.0	109.6	109.8	105.2	86.9	67.9	53.4	43.7		
29.5	98.1	95.5	97.0	96.6	94.1	84.9	67.9	53.4	43.7	34.0	
32.8	81.8	81.8	83.8	86.4	82.2	77.2	67.9	53.4	43.7	34.0	27.8
36.1			72.8	74.1	73.0	68.3	62.6	53.4	43.7	34.0	27.8
39.4			63.1	64.4	64.2	61.3	58.2	53.4	43.7	34.0	27.8
45.9			49.4	50.5	50.3	48.9	49.6	45.2	43.7	34.0	27.8
52.5				40.6	40.3	41.7	40.6	39.5	37.0	34.0	27.8
59.1				33.3	34.2	34.4	33.3	33.7	33.7	31.7	27.8
65.6					29.5	29.1	29.5	28.9	28.2	27.3	26.2
72.2					25.4	24.7	25.1	24.5	24.0	23.1	23.1
78.7					21.8	21.8	21.8	21.2	20.7	19.6	19.6
85.3						19.2	19.0	18.3	17.9	17.0	17.0
91.9						16.8	16.8	16.1	15.4	14.6	14.6
98.4						14.8	14.8	14.1	13.7	12.6	12.6
105.0							13.0	12.3	11.9	11.0	11.0
111.5								11.0	10.4	9.5	9.5
118.1								9.7	9.0	8.2	8.2
124.7									7.9	7.1	7.1
131.2									7.1	6.2	6.2
137.8									6.2	5.3	5.3
144.4										4.4	4.4
150.9										3.7	3.7
157.5											3.1

lbs x 1,000

ft	42.7 ft*	42.7 ft	57.4 ft	72.2 ft	86.9 ft	101.4 ft	116.1 ft	130.9 ft	145.7 ft	160.4 ft	170.6 ft
9.8	242.5**	238.8**	194.0	162.5							
11.5	233.7	216.7	194.0	162.5	121.3						
13.1	216.5	198.0	194.0	161.8	121.3						
14.8	201.7	181.9	180.3	149.9	121.3	87.3					
16.4	188.7	166.7	164.9	139.6	121.3	87.3					
19.7	166.4	140.9	139.3	122.4	114.2	87.3	67.9				
23.0	145.9	121.3	121.3	121.3	114.0	87.3	67.9	53.4			
26.2	112.9	105.8	107.4	105.4	101.9	86.9	67.9	53.4	43.7		
29.5	91.1	91.1	93.3	92.8	87.7	81.8	67.9	53.4	43.7	34.0	
32.8	75.6	75.6	78.7	80.5	76.5	71.7	65.3	53.4	43.7	34.0	27.8
36.1			67.5	68.8	67.7	63.1	58.9	53.4	43.7	34.0	27.8
39.4			58.4	59.7	59.5	56.0	55.6	49.8	43.7	34.0	27.8
45.9			45.0	46.1	45.9	47.4	45.2	43.0	40.3	34.0	27.8
52.5				36.8	37.7	38.1	36.8	37.0	35.9	33.7	27.8
59.1				30.6	31.7	31.3	31.7	31.1	30.6	28.7	27.8
65.6					26.7	26.7	26.7	26.0	25.6	24.5	24.3
72.2					22.9	22.9	22.7	22.0	21.6	20.5	20.7
78.7					19.8	19.6	19.6	19.0	18.5	17.4	17.4
85.3						17.2	17.0	16.3	15.9	14.8	15.0
91.9						15.0	14.8	14.3	13.7	12.8	12.8
98.4							13.0	12.3	11.9	10.8	11.0
105.0							11.5	10.8	10.4	9.3	9.3
111.5								9.5	9.0	7.9	7.9
118.1								8.4	7.7	6.8	6.8
124.7									6.6	5.7	5.7
131.2									5.7	4.9	4.9
137.8									5.1	4.0	4.0
144.4										3.3	3.3
150.9										2.6	2.6
157.5											2.0

* Over rear · A l'arrière · Hacia atrás

** With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional



42.7 – 170.6 ft 24.6 ft 360° **40,786 lbs** **ASME**

lbs x 1,000

ft	42.7 ft*	42.7 ft	57.4 ft	72.2 ft	86.9 ft	101.4 ft	116.1 ft	130.9 ft	145.7 ft	160.4 ft	170.6 ft
9.8	242.5**	237.9**	194.0	162.5							
11.5	233.7	215.8	194.0	162.5	121.3						
13.1	216.5	197.1	194.0	161.8	121.3						
14.8	201.7	180.8	179.2	149.9	121.3	87.3					
16.4	188.7	164.9	163.1	139.6	121.3	87.3					
19.7	166.4	139.3	137.6	122.4	114.2	87.3	67.9				
23.0	139.3	119.7	120.2	118.4	111.3	87.3	67.9	53.4			
26.2	107.4	104.3	106.0	100.5	97.4	86.4	67.9	53.4	43.7		
29.5	86.6	86.6	88.8	88.6	83.8	78.0	67.9	53.4	43.7	34.0	
32.8	71.9	71.9	75.4	76.7	73.0	67.9	61.5	53.4	43.7	34.0	27.8
36.1			64.2	65.5	63.9	59.7	58.2	52.9	43.7	34.0	27.8
39.4			55.3	56.7	56.4	53.8	52.5	47.0	43.7	34.0	27.8
45.9			42.3	43.4	43.2	44.8	42.8	41.9	38.8	34.0	27.8
52.5				34.6	36.4	35.7	36.4	35.5	33.7	31.5	27.8
59.1				28.7	30.0	29.5	30.0	29.3	28.7	26.7	26.2
65.6					25.1	25.1	25.1	24.5	23.8	22.9	22.5
72.2					21.4	21.4	21.2	20.7	20.1	19.2	19.2
78.7					18.3	18.3	18.3	17.6	17.2	16.1	16.1
85.3						15.9	15.7	15.2	14.6	13.7	13.7
91.9						13.9	13.7	13.0	12.6	11.7	11.7
98.4							11.9	11.2	10.8	9.9	9.9
105.0							10.6	9.9	9.3	8.4	8.4
111.5								8.6	7.9	7.1	7.1
118.1								7.5	6.8	6.0	6.0
124.7									6.0	4.9	5.1
131.2									5.1	4.2	4.2
137.8									4.4	3.3	3.3
144.4										2.6	2.6
150.9										2.0	2.0



42.7 – 170.6 ft 24.6 ft 360° **37,038 lbs** **ASME**

lbs x 1,000

ft	42.7 ft*	42.7 ft	57.4 ft	72.2 ft	86.9 ft	101.4 ft	116.1 ft	130.9 ft	145.7 ft	160.4 ft	170.6 ft
9.8	242.5**	236.3**	194.0	162.5							
11.5	233.7	214.3	194.0	162.5	121.3						
13.1	216.5	195.6	194.0	161.8	121.3						
14.8	201.7	177.9	176.4	149.9	121.3	87.3					
16.4	188.7	162.0	160.5	139.6	121.3	87.3					
19.7	165.3	136.7	134.9	122.4	114.2	87.3	67.9				
23.0	129.0	117.3	117.7	112.0	103.0	87.3	67.9	53.4			
26.2	99.2	99.2	99.2	96.1	90.4	83.8	67.9	53.4	43.7		
29.5	79.8	79.8	83.6	82.0	77.2	71.2	64.2	53.4	43.7	34.0	
32.8	66.1	66.1	69.4	70.5	66.6	61.7	58.2	53.4	43.7	34.0	27.8
36.1			58.6	60.0	58.2	57.3	53.6	47.6	43.7	34.0	27.8
39.4			50.0	51.4	51.1	51.1	47.6	46.1	41.9	34.0	27.8
45.9			38.1	39.2	41.0	40.6	40.6	38.4	36.4	34.0	27.8
52.5				31.5	32.8	32.8	32.8	32.0	30.4	28.2	27.8
59.1				25.8	26.9	26.9	26.9	26.2	25.6	23.8	23.4
65.6					22.5	22.5	22.5	21.8	21.2	20.1	19.8
72.2					19.0	19.0	19.0	18.3	17.9	16.8	16.8
78.7						16.3	16.1	15.4	15.0	13.9	14.1
85.3							13.9	13.2	12.8	11.7	11.7
91.9						12.1	11.9	11.2	10.8	9.9	9.9
98.4							10.4	9.7	9.3	8.2	8.2
105.0							9.0	8.4	7.7	6.8	6.8
111.5								7.3	6.6	5.7	5.7
118.1								6.2	5.5	4.6	4.6
124.7									4.6	3.7	3.7
131.2									3.7	2.9	2.9
137.8									3.1	2.2	2.2

* Over rear · A l'arrière · Hacia atrás

** With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional

23,810 lbs **ASME**

lbs x 1,000

ft	42.7 ft*	42.7 ft	57.4 ft	72.2 ft	86.9 ft	101.4 ft	116.1 ft	130.9 ft	145.7 ft	160.4 ft	170.6 ft
9.8	242.5**	234.4**	194.0	162.5							
11.5	233.7	212.3	194.0	162.5	121.3						
13.1	216.5	192.7	191.1	161.8	121.3						
14.8	201.7	174.2	172.6	149.9	121.3	87.3					
16.4	188.7	158.5	157.0	139.6	121.3	87.3					
19.7	149.3	133.4	131.0	121.3	114.0	87.3	67.9				
23.0	115.7	114.0	108.7	104.1	97.0	84.9	67.9	53.4			
26.2	88.8	88.8	89.3	86.2	80.5	73.9	65.9	53.4	43.7		
29.5	71.2	71.0	75.0	72.3	67.9	65.3	58.9	53.4	43.7	34.0	
32.8	58.9	57.5	61.3	61.9	58.4	57.3	53.4	47.0	43.7	34.0	27.8
36.1			51.1	52.5	51.8	50.5	48.5	45.4	40.8	34.0	27.8
39.4			43.4	44.8	46.7	44.8	43.4	41.0	38.8	34.0	27.8
45.9			32.8	34.4	35.7	35.9	35.3	33.3	31.5	29.1	27.8
52.5				27.1	28.4	28.4	28.4	27.6	26.0	24.0	23.6
59.1				21.8	23.1	23.1	23.1	22.5	21.8	20.1	19.6
65.6					19.2	19.2	19.2	18.5	17.9	16.8	16.5
72.2					16.1	16.1	15.9	15.2	14.8	13.7	13.9
78.7					13.7	13.4	13.4	12.8	12.3	11.2	11.2
85.3						11.5	11.5	10.8	10.4	9.3	9.3
91.9						9.7	9.7	9.0	8.6	7.5	7.7
98.4							8.4	7.7	7.1	6.2	6.2
105.0							7.1	6.4	6.0	4.9	4.9
111.5								5.3	4.9	4.0	4.0
118.1								4.4	4.0	2.9	2.9
124.7									3.1	2.2	
131.2									2.4		

18,739 lbs **ASME**

lbs x 1,000

ft	42.7 ft*	42.7 ft	57.4 ft	72.2 ft	86.9 ft	101.4 ft	116.1 ft	130.9 ft	145.7 ft	160.4 ft	170.6 ft
9.8	242.5	233.5	194.0	162.5							
11.5	233.7	211.2	194.0	162.5	121.3						
13.1	216.5	190.7	188.9	161.8	121.3						
14.8	201.7	172.4	170.6	149.9	121.3	87.3					
16.4	188.7	156.7	155.0	139.6	121.3	87.3					
19.7	140.9	131.4	123.2	115.7	107.6	87.3	67.9				
23.0	109.1	109.1	102.3	98.3	91.1	82.9	67.9	53.4			
26.2	83.6	83.6	84.7	80.2	75.0	68.8	61.1	53.4	43.7		
29.5	66.8	65.7	69.7	67.2	63.3	61.7	57.1	50.3	43.7	34.0	
32.8	54.9	53.1	56.7	57.5	55.1	53.4	49.4	46.1	42.8	34.0	27.8
36.1			47.4	48.7	49.6	46.7	45.4	42.8	38.8	34.0	27.8
39.4			40.1	41.9	43.4	42.1	40.3	37.9	35.9	33.3	27.8
45.9			30.0	31.7	33.1	33.3	32.6	30.6	28.9	26.7	26.2
52.5				24.9	26.0	26.2	26.2	25.4	23.8	21.8	21.4
59.1				20.1	21.2	21.2	21.2	20.5	19.8	18.1	17.6
65.6					17.4	17.4	17.4	16.8	16.1	15.0	14.8
72.2					14.6	14.6	14.3	13.9	13.2	12.3	12.3
78.7					12.1	12.1	12.1	11.5	11.0	9.9	9.9
85.3						10.1	10.1	9.5	9.0	7.9	8.2
91.9						8.6	8.6	7.9	7.5	6.4	6.4
98.4							7.3	6.6	6.0	5.1	5.1
105.0							6.2	5.5	4.9	4.0	4.0
111.5								4.4	4.0	2.9	2.9
118.1								3.5	3.1		
124.7									2.2		

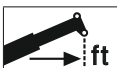
* Over rear · A l'arrière · Hacia atrás

** With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional



6,393 lbs **ASME**

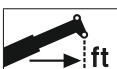
lbs x 1,000

 ft	42.7 ft*	42.7 ft	57.4 ft	72.2 ft	86.9 ft	101.4 ft	116.1 ft	130.9 ft	145.7 ft	160.4 ft	170.6 ft
9.8	242.5**	230.6**	194.0	162.5							
11.5	233.7	207.2	194.0	162.5	121.3						
13.1	216.5	185.4	183.6	161.8	121.3						
14.8	201.7	167.1	165.3	147.3	121.3	87.3					
16.4	166.0	151.7	141.5	124.1	114.0	87.3					
19.7	120.2	120.2	110.7	104.3	95.0	84.9	67.9				
23.0	92.2	91.1	86.6	81.4	75.0	67.9	59.3	53.4			
26.2	70.1	67.9	69.2	65.9	64.2	59.7	54.5	47.4	43.7		
29.5	55.8	52.5	56.4	54.9	54.0	51.1	48.5	45.2	39.5	34.0	
32.8	45.6	41.9	45.6	47.4	46.3	44.1	41.9	39.2	36.8	33.7	27.8
36.1			37.7	39.7	40.3	38.6	36.8	34.4	32.2	29.5	27.8
39.4			31.7	33.5	35.1	34.0	32.4	30.4	28.4	26.0	25.4
45.9			23.1	24.9	26.2	26.5	26.0	24.3	22.7	20.5	20.1
52.5				19.2	20.5	20.5	20.5	19.6	18.3	16.5	16.1
59.1				15.0	16.3	16.3	16.3	15.7	15.0	13.2	13.0
65.6					13.0	13.2	13.0	12.3	11.9	10.8	10.6
72.2					10.6	10.6	10.6	9.9	9.5	8.4	8.4
78.7					8.8	8.6	8.6	7.9	7.5	6.4	6.6
85.3						7.1	7.1	6.4	6.0	4.9	4.9
91.9						5.7	5.7	5.1	4.6	3.5	
98.4							4.6	4.0	3.3		
105.0							3.5	2.9	2.4		
111.5								2.2			



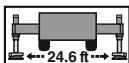
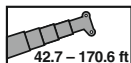
3,307 lbs **ASME**

lbs x 1,000

 ft	42.7 ft*	42.7 ft	57.4 ft	72.2 ft	86.9 ft	101.4 ft	116.1 ft	130.9 ft	145.7 ft	160.4 ft	170.6 ft
9.8	242.5**	229.9**	194.0	162.5							
11.5	233.7	205.7	194.0	162.5	121.3						
13.1	216.5	184.1	182.3	161.8	121.3						
14.8	194.7	165.8	162.9	140.4	121.3	87.3					
16.4	158.7	150.1	135.1	121.3	113.5	87.3					
19.7	114.6	114.6	104.9	98.8	89.7	80.2	67.9				
23.0	87.7	85.5	81.8	76.9	71.7	67.9	58.9	53.4			
26.2	66.6	63.7	65.3	62.2	60.6	57.1	51.4	46.1	43.4		
29.5	52.9	48.9	52.9	52.2	50.9	48.3	45.6	42.5	38.8	34.0	
32.8	43.0	39.0	42.8	44.5	43.7	41.4	39.5	36.8	34.4	31.5	27.8
36.1			35.3	37.0	37.9	36.2	34.6	32.2	30.2	27.6	26.9
39.4			29.5	31.3	32.8	31.7	30.4	28.4	26.5	24.3	23.6
45.9			21.4	23.1	24.5	24.7	24.3	22.5	20.9	19.0	18.5
52.5				17.6	19.0	19.0	19.0	18.3	16.8	15.0	14.8
59.1				13.9	15.0	15.0	15.0	14.3	13.7	12.1	11.7
65.6					11.9	12.1	11.9	11.2	10.8	9.5	9.5
72.2					9.7	9.7	9.7	9.0	8.4	7.5	7.5
78.7					7.9	7.7	7.7	7.1	6.6	5.5	5.5
85.3						6.2	6.2	5.5	5.1		
91.9						5.1	4.9	4.2	3.7		
98.4							3.7	3.1			
105.0							2.9	2.2			

* Over rear · A l'arrière · Hacia atrás

** With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional



0 lbs

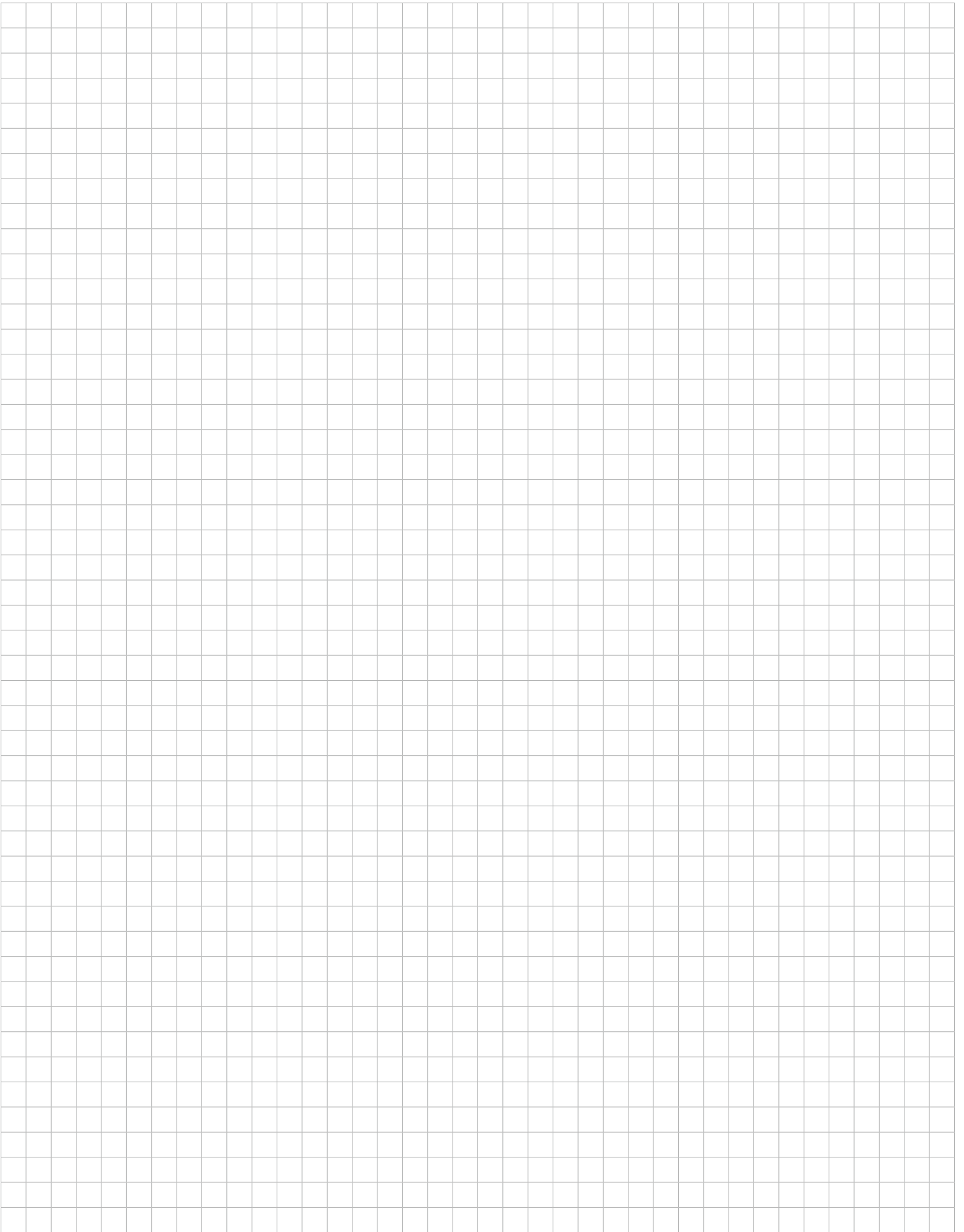
ASME

lbs x 1,000

ft	42.7 ft*	42.7 ft	57.4 ft	72.2 ft	86.9 ft	101.4 ft	116.1 ft	130.9 ft	145.7 ft	160.4 ft	170.6 ft
9.8	242.5**	228.6**	194.0	162.5							
11.5	233.7	203.7	194.0	162.5	121.3						
13.1	216.5	182.1	180.3	161.8	121.3						
14.8	184.7	163.8	154.3	132.9	120.2	87.3					
16.4	150.6	148.4	128.1	117.9	106.3	87.3					
19.7	108.7	107.6	100.3	92.6	84.0	75.0	64.8				
23.0	82.9	79.6	76.3	71.9	69.0	63.7	57.8	49.6			
26.2	62.6	58.9	60.8	58.2	56.4	53.1	48.5	46.1	40.1		
29.5	49.6	45.0	49.2	48.7	47.4	45.0	42.5	39.7	36.8	33.7	
32.8	40.3	35.7	39.5	41.2	40.6	38.6	36.6	34.2	31.7	29.1	27.8
36.1			32.4	34.4	35.1	33.5	32.0	29.8	27.8	25.4	24.5
39.4			26.9	28.9	30.2	29.5	28.2	26.2	24.5	22.0	21.6
45.9			19.4	21.2	22.5	22.7	22.3	20.7	19.2	17.2	16.8
52.5				16.1	17.2	17.4	17.4	16.5	15.2	13.4	13.2
59.1				12.3	13.4	13.7	13.4	12.8	12.1	10.6	10.4
65.6					10.8	10.8	10.8	10.1	9.5	8.4	8.2
72.2					8.6	8.6	8.6	7.9	7.3	6.2	6.2
78.7					6.8	6.8	6.6	6.0	5.5		
85.3						5.3	5.1	4.6	4.0		
91.9						4.0	4.0	3.3			
98.4							2.9	2.2			
105.0							2.0				

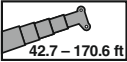
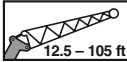

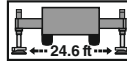

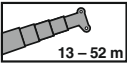


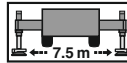

* Over rear · A l'arrière · Hacia atrás

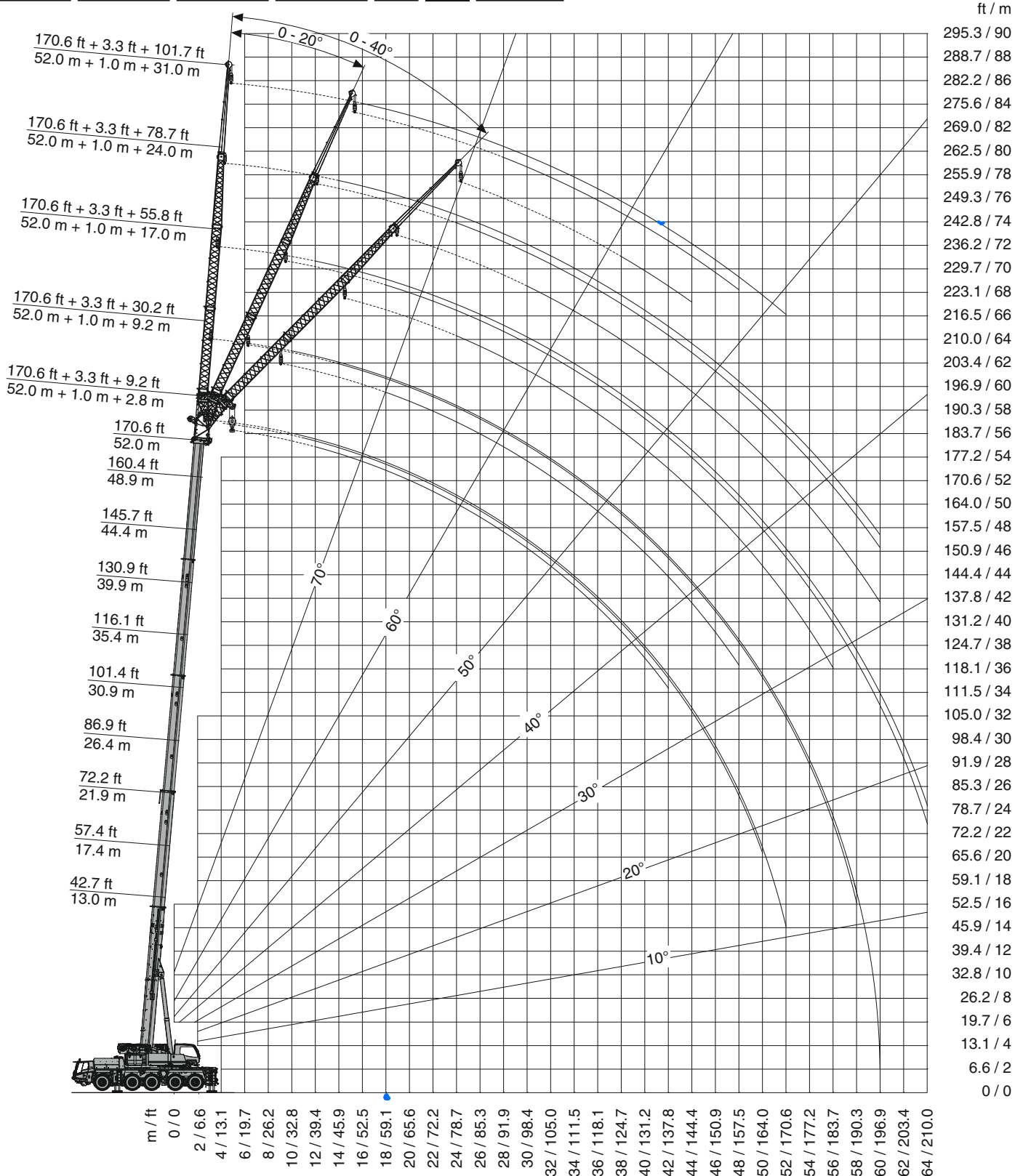
** With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional





Working range · Rayon de travail · Zona de trabajo

 42.7 - 170.6 ft	 12.5 - 105 ft	 12.5 - 105 ft	 24.6 ft	 360°	82,453 lbs	ASME
 13 - 52 m	 3.8 - 32 m	 3.8 - 32 m	 7.5 m	 360°	37.4 t	ASME




Operation · Utilisation · Uso

37,038 lbs **ASME** **lbs x 1,000**

ft	42.7 ft + 3.3 ft + 9.2 ft			72.2 ft + 3.3 ft + 9.2 ft			86.9 ft + 3.3 ft + 9.2 ft			116.1 ft + 3.3 ft + 9.2 ft			145.7 ft + 3.3 ft + 9.2 ft			170.6 ft + 3.3 ft + 9.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	88.2	67.9		77.2														
11.5	88.2	65.0	53.1	77.2														
13.1	84.4	62.4	51.6	77.2	70.3		76.5											
14.8	79.8	60.0	50.3	77.2	68.3	54.2	76.5											
16.4	75.6	58.0	48.9	77.2	66.6	53.1	76.5	68.1										
19.7	68.6	54.0	46.7	77.2	63.1	51.4	76.5	65.0	52.5	46.5								
23.0	62.8	50.9	45.0	77.2	60.0	49.6	76.5	62.6	50.9	46.5	46.5							
26.2	58.0	48.3	43.4	76.7	57.3	48.1	76.5	60.2	49.6	46.5	46.5	46.5	28.7					
29.5	53.8	45.9	42.1	71.9	54.9	46.7	67.5	57.8	48.3	46.5	46.5	46.5	28.7	28.7				
32.8	50.5	43.9	41.2	65.3	52.7	45.6	61.7	55.6	47.2	46.5	46.5	46.5	28.7	28.7	28.7	19.2		
36.1	47.4	42.3	40.8	55.8	50.7	44.5	54.2	53.8	46.1	46.5	46.5	46.5	28.7	28.7	28.7	19.2	19.2	
39.4	45.0	41.2		48.3	48.9	43.7	48.1	48.5	45.2	41.7	42.8	43.7	28.7	28.7	28.7	19.2	19.2	19.2
45.9	37.7			39.2	38.1	38.6	38.8	39.2	38.1	35.7	35.7	35.7	28.7	28.7	28.7	19.2	19.2	19.2
52.5				31.7	32.2	32.4	31.3	31.7	32.2	30.9	31.3	32.0	26.9	27.6	28.0	19.2	19.2	19.2
59.1				25.8	26.2	26.5	25.8	26.2	26.5	26.7	26.9	26.5	24.3	24.9	25.4	19.2	19.2	19.2
65.6				21.4	21.6		22.5	22.0	21.8	22.0	22.5	22.7	20.7	21.2	21.4	18.5	19.0	19.2
72.2				18.3	18.3		19.0	19.0	19.2	18.5	19.0	19.0	17.2	17.6	17.9	15.7	16.1	16.5
78.7							16.1	16.1		15.7	16.1	16.1	14.3	14.8	15.0	13.2	13.7	13.9
85.3							13.7	13.9		13.4	13.7	13.7	12.1	12.3	12.6	11.0	11.2	11.5
91.9										11.5	11.7	11.7	10.1	10.4	10.6	9.0	9.5	9.5
98.4										9.9	9.9		8.4	8.6	8.8	7.5	7.7	7.9
105.0										8.4	8.6		7.1	7.3	7.3	6.2	6.4	6.4
111.5										7.3	7.3		6.0	6.0	6.2	4.9	5.1	5.3
118.1										6.2			4.9	5.1	5.1	3.7	4.0	4.2
124.7													4.0	4.0		2.9	3.1	3.1
131.2													3.1	3.1				
137.8													2.4	2.4				

18,739 lbs **ASME** **lbs x 1,000**

ft	42.7 ft + 3.3 ft + 9.2 ft			72.2 ft + 3.3 ft + 9.2 ft			86.9 ft + 3.3 ft + 9.2 ft			116.1 ft + 3.3 ft + 9.2 ft			145.7 ft + 3.3 ft + 9.2 ft			170.6 ft + 3.3 ft + 9.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	88.2	67.9		77.2														
11.5	88.2	65.0	53.1	77.2														
13.1	84.4	62.4	51.6	77.2	70.3		76.5											
14.8	79.8	60.0	50.3	77.2	68.3	54.2	76.5											
16.4	75.6	58.0	48.9	77.2	66.6	53.1	76.5	68.1										
19.7	68.6	54.0	46.7	77.2	63.1	51.4	76.5	65.0	52.5	46.5								
23.0	62.8	50.9	45.0	77.2	60.0	49.6	76.5	62.6	50.9	46.5	46.5							
26.2	58.0	48.3	43.4	74.7	57.3	48.1	65.0	60.2	49.6	46.5	46.5	46.5	28.7					
29.5	53.8	45.9	42.1	62.8	54.9	46.7	58.4	57.8	48.3	46.5	46.5	46.5	28.7	28.7				
32.8	50.5	43.9	41.2	53.8	52.7	45.6	52.7	51.4	47.2	43.0	44.3	45.6	28.7	28.7	28.7	19.2		
36.1	46.7	42.3	40.8	46.5	47.6	44.5	46.1	45.6	45.6	37.3	38.6	39.5	28.7	28.7	28.7	19.2	19.2	
39.4	40.3	41.0		42.1	41.0	41.7	40.6	41.4	41.0	35.7	35.7	35.7	28.7	28.7	28.7	19.2	19.2	19.2
45.9	30.2			32.2	32.8	33.3	32.2	32.8	32.8	31.3	32.0	31.3	25.4	26.2	26.9	19.2	19.2	19.2
52.5				25.1	25.6	26.0	26.2	26.2	26.0	25.8	26.2	26.7	22.5	23.1	23.6	19.2	19.2	19.2
59.1				20.5	20.7	20.9	21.2	21.6	21.8	20.9	21.4	21.6	18.7	19.2	19.6	16.5	17.0	17.4
65.6				16.5	17.0		17.4	17.6	17.9	17.0	17.4	17.6	15.7	16.1	16.3	13.7	14.1	14.6
72.2				13.7	13.9		14.3	14.6	14.6	14.1	14.3	14.6	12.6	13.0	13.2	11.2	11.7	11.9
78.7							11.9	12.1		11.7	11.9	12.1	10.4	10.6	10.8	9.3	9.5	9.9
85.3							10.1	10.1		9.7	9.9	10.1	8.4	8.6	8.8	7.3	7.7	7.9
91.9										8.2	8.2	8.4	6.8	7.1	7.1	5.7	6.0	6.2
98.4										6.6	6.8		5.3	5.5	5.7	4.4	4.6	4.9
105.0										5.5	5.5		4.2	4.4	4.4			
111.5										4.4	4.6		3.1	3.3	3.3			
118.1										3.5			2.2	2.4	2.4			



82,453 lbs

ASME

lbs x 1,000

ft	42.7 ft + 3.3 ft + 30.2 ft			72.2 ft + 3.3 ft + 30.2 ft			86.9 ft + 3.3 ft + 30.2 ft			116.1 ft + 3.3 ft + 30.2 ft			145.7 ft + 3.3 ft + 30.2 ft			170.6 ft + 3.3 ft + 30.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	37.7			37.7														
11.5	37.7			37.7														
13.1	37.7			37.7			37.7											
14.8	37.7			37.7			37.7											
16.4	37.7	32.0		37.7			37.7											
19.7	37.7	29.1		37.7			37.7			28.7								
23.0	37.7	26.9		37.7	30.6		37.7			28.7								
26.2	34.8	24.9	19.6	37.7	28.9		37.7	30.0		28.7			18.1					
29.5	31.3	23.1	18.7	37.7	27.1	20.1	37.7	28.4		28.7			18.1					
32.8	28.7	21.8	17.9	37.7	25.8	19.4	37.7	26.9		28.7	28.2		18.1				13.7	
36.1	26.2	20.5	17.2	37.0	24.5	18.7	37.7	25.8	19.2	28.7	27.1		18.1				13.7	
39.4	24.3	19.4	16.5	34.2	23.4	18.1	37.7	24.5	18.7	28.7	26.2		18.1	18.1			13.7	
45.9	20.9	17.4	15.4	29.8	21.2	17.0	33.5	22.5	17.6	28.7	24.3	18.3	18.1	18.1			13.7	13.7
52.5	18.5	16.1	14.6	26.2	19.6	16.1	29.5	20.9	16.8	28.7	22.7	17.4	18.1	18.1	17.9		13.7	13.7
59.1	16.5	14.8	14.1	23.4	18.1	15.4	26.5	19.4	15.9	28.7	21.4	16.8	18.1	18.1	17.2	13.7	13.7	12.3
65.6	14.8	14.1		21.2	17.0	14.8	24.0	18.3	15.4	27.1	20.3	16.1	18.1	18.1	16.3	13.7	13.0	11.7
72.2				19.2	16.1	14.3	21.8	17.2	14.8	24.7	19.2	15.7	18.1	17.4	15.7	13.7	12.1	10.8
78.7				17.6	15.2	14.1	20.1	16.3	14.3	22.3	18.3	15.2	18.1	16.5	15.0	12.6	11.2	10.1
85.3				16.3	14.6		18.5	15.7	13.9	20.3	17.4	14.8	18.1	15.9	14.6	11.7	10.6	9.7
91.9				15.0	14.1		17.2	15.0	13.7	18.3	16.8	14.3	16.5	15.2	13.9	10.6	9.9	9.0
98.4							16.1	14.3		16.5	16.1	14.1	15.2	14.6	13.4	9.9	9.3	8.6
105.0							15.0	14.1		15.0	15.4	13.9	13.9	13.9	13.0	9.3	8.6	8.2
111.5							13.9			13.2	13.9	13.7	12.8	13.0	12.8	8.6	8.2	7.9
118.1										12.3	12.1	12.6	12.1	11.9	11.9	7.9	7.5	7.3
124.7										11.5	11.5		11.5	11.0	11.2	7.5	7.1	6.8
131.2										10.8	10.8		10.8	10.4	10.4	6.8	6.6	6.4
137.8										10.4			10.1	10.1	9.7	6.4	6.2	6.2
144.4													9.0	9.5		6.2	6.0	5.7
150.9													8.2	8.6		5.7	5.5	5.5
157.5													7.5	7.7		5.3	5.3	5.1
164.0													6.6	6.8		5.1	4.9	
170.6													6.0			4.9	4.6	
177.2																4.2	4.4	
183.7																3.7	3.7	
190.3																3.1	3.3	
196.9																2.6		

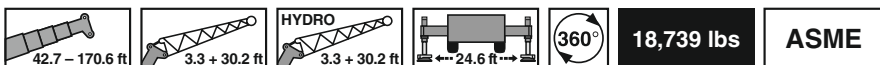
Operation · Utilisation · Uso

lbs x 1,000

ft	42.7 ft + 3.3 ft + 30.2 ft			72.2 ft + 3.3 ft + 30.2 ft			86.9 ft + 3.3 ft + 30.2 ft			116.1 ft + 3.3 ft + 30.2 ft			145.7 ft + 3.3 ft + 30.2 ft			170.6 ft + 3.3 ft + 30.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	37.7			37.7														
11.5	37.7			37.7														
13.1	37.7			37.7			37.7											
14.8	37.7			37.7			37.7											
16.4	37.7	32.0		37.7			37.7											
19.7	37.7	29.1		37.7			37.7			28.7								
23.0	37.7	26.9		37.7	30.6		37.7			28.7								
26.2	34.8	24.9	19.6	37.7	28.9		37.7	30.0		28.7			18.1					
29.5	31.3	23.1	18.7	37.7	27.1	20.1	37.7	28.4		28.7			18.1					
32.8	28.7	21.8	17.9	37.7	25.8	19.4	37.7	26.9		28.7	28.2		18.1				13.7	
36.1	26.2	20.5	17.2	37.0	24.5	18.7	37.7	25.8	19.2	28.7	27.1		18.1				13.7	
39.4	24.3	19.4	16.5	34.2	23.4	18.1	37.7	24.5	18.7	28.7	26.2		18.1	18.1			13.7	
45.9	20.9	17.4	15.4	29.8	21.2	17.0	33.5	22.5	17.6	28.7	24.3	18.3	18.1	18.1			13.7	13.7
52.5	18.5	16.1	14.6	26.2	19.6	16.1	29.5	20.9	16.8	28.7	22.7	17.4	18.1	18.1	17.9		13.7	13.7
59.1	16.5	14.8	14.1	23.4	18.1	15.4	26.5	19.4	15.9	28.7	21.4	16.8	18.1	18.1	17.2		13.7	13.7
65.6	14.8	14.1		21.2	17.0	14.8	24.0	18.3	15.4	26.7	20.3	16.1	18.1	18.1	16.3		13.7	13.0
72.2				19.2	16.1	14.3	21.8	17.2	14.8	22.7	19.2	15.7	18.1	17.4	15.7		13.7	12.1
78.7				17.6	15.2	14.1	20.1	16.3	14.3	19.2	18.3	15.2	18.1	16.5	15.0		12.6	11.2
85.3				16.3	14.6		18.5	15.7	13.9	17.6	17.4	14.8	17.6	15.9	14.6		11.7	10.6
91.9				15.0	14.1		17.2	15.0	13.7	16.3	15.4	14.3	15.2	15.2	13.9		10.6	9.9
98.4							15.4	14.3		14.6	14.8	14.1	13.7	14.1	13.4		9.9	9.3
105.0							13.9	14.1		12.8	13.4	13.9	12.8	12.1	12.8		9.3	8.6
111.5							12.6			11.5	11.9	12.6	11.2	11.5	11.2		8.6	8.2
118.1										10.4	10.6	11.0	9.9	10.6	10.6		7.9	7.5
124.7										9.7	9.5		8.6	9.3	9.7		7.5	7.1
131.2										9.0	9.0		7.7	8.2	8.4		6.6	6.4
137.8										7.9			6.6	7.1	7.3		5.5	6.2
144.4													5.7	6.2			4.9	5.3
150.9													5.1	5.3			4.0	4.4
157.5													4.4	4.6			3.3	3.7
164.0													3.7	4.0			2.6	3.1
170.6													3.3				2.2	2.4

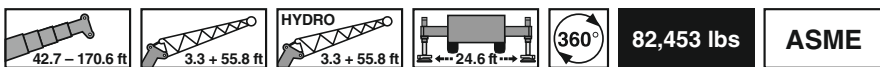
lbs x 1,000

ft	42.7 ft + 3.3 ft + 30.2 ft			72.2 ft + 3.3 ft + 30.2 ft			86.9 ft + 3.3 ft + 30.2 ft			116.1 ft + 3.3 ft + 30.2 ft			145.7 ft + 3.3 ft + 30.2 ft			170.6 ft + 3.3 ft + 30.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	37.7			37.7														
11.5	37.7			37.7														
13.1	37.7			37.7			37.7											
14.8	37.7			37.7			37.7											
16.4	37.7	32.0		37.7			37.7											
19.7	37.7	29.1		37.7			37.7			28.7								
23.0	37.7	26.9		37.7	30.6		37.7			28.7								
26.2	34.8	24.9	19.6	37.7	28.9		37.7	30.0		28.7			18.1					
29.5	31.3	23.1	18.7	37.7	27.1	20.1	37.7	28.4		28.7			18.1					
32.8	28.7	21.8	17.9	37.7	25.8	19.4	37.7	26.9		28.7	28.2		18.1				13.7	
36.1	26.2	20.5	17.2	37.0	24.5	18.7	37.7	25.8	19.2	28.7	27.1		18.1				13.7	
39.4	24.3	19.4	16.5	34.2	23.4	18.1	37.7	24.5	18.7	28.7	26.2		18.1	18.1			13.7	
45.9	20.9	17.4	15.4	29.8	21.2	17.0	33.5	22.5	17.6	28.7	24.3	18.3	18.1	18.1			13.7	13.7
52.5	18.5	16.1	14.6	26.2	19.6	16.1	29.5	20.9	16.8	26.7	22.7	17.4	18.1	18.1	17.9		13.7	13.7
59.1	16.5	14.8	14.1	23.4	18.1	15.4	25.1	19.4	15.9	23.1	21.4	16.8	18.1	18.1	17.2		13.7	13.7
65.6	14.8	14.1		21.2	17.0	14.8	21.8	18.3	15.4	21.4	20.3	16.1	18.1	18.1	16.3		13.7	13.0
72.2				19.2	16.1	14.3	19.0	17.2	14.8	17.9	17.6	15.7	16.1	17.4	15.7		13.7	12.1
78.7				16.8	15.2	14.1	16.3	16.3	14.3	15.7	16.1	15.2	15.0	14.8	15.0		12.6	11.2
85.3				14.3	14.6		13.9	14.8	13.9	13.9	13.7	14.8	12.6	13.4	13.4		11.5	10.6
91.9				12.6	12.8		12.8	12.6	13.2	11.9	12.8	12.6	10.8	11.7	12.1		9.7	9.9
98.4							11.2	11.7		10.4	11.0	11.7	9.0	9.9	10.8		7.9	9.0
105.0							9.9	10.1		9.0	9.5	10.1	7.7	8.6	9.0		6.6	7.5
111.5							8.6			7.7	8.2	8.8	6.4	7.3	7.7		5.5	6.2
118.1										6.6	7.1	7.5	5.5	6.2	6.6		4.4	5.1
124.7										5.7	6.2		4.4	5.1	5.5		3.5	4.2
131.2										5.1	5.3		3.7	4.2	4.4			3.3
137.8										4.2			2.9	3.3	3.5			
144.4													2.2	2.6				
150.9														2.0				



lbs x 1,000

ft	42.7 ft + 3.3 ft + 30.2 ft			72.2 ft + 3.3 ft + 30.2 ft			86.9 ft + 3.3 ft + 30.2 ft			116.1 ft + 3.3 ft + 30.2 ft			145.7 ft + 3.3 ft + 30.2 ft			170.6 ft + 3.3 ft + 30.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	37.7			37.7														
11.5	37.7			37.7														
13.1	37.7			37.7			37.7											
14.8	37.7			37.7			37.7											
16.4	37.7	32.0		37.7			37.7											
19.7	37.7	29.1		37.7			37.7			28.7								
23.0	37.7	26.9		37.7	30.6		37.7			28.7								
26.2	34.8	24.9	19.6	37.7	28.9		37.7	30.0		28.7			18.1					
29.5	31.3	23.1	18.7	37.7	27.1	20.1	37.7	28.4		28.7			18.1					
32.8	28.7	21.8	17.9	37.7	25.8	19.4	37.7	26.9		28.7	28.2		18.1				13.7	
36.1	26.2	20.5	17.2	37.0	24.5	18.7	37.7	25.8	19.2	28.7	27.1		18.1				13.7	
39.4	24.3	19.4	16.5	34.2	23.4	18.1	34.4	24.5	18.7	28.7	26.2		18.1	18.1			13.7	
45.9	20.9	17.4	15.4	29.8	21.2	17.0	30.0	22.5	17.6	25.1	24.3	18.3	18.1	18.1			13.7	13.7
52.5	18.5	16.1	14.6	25.4	19.6	16.1	25.8	20.9	16.8	23.1	22.7	17.4	18.1	18.1	17.9		13.7	13.7
59.1	16.5	14.8	14.1	21.8	18.1	15.4	21.4	19.4	15.9	19.8	19.6	16.8	16.5	18.1	17.2	13.7	13.7	12.3
65.6	14.8	14.1		18.1	17.0	14.8	17.6	18.3	15.4	17.6	17.9	16.1	15.4	15.9	16.3	13.4	13.0	11.7
72.2				15.0	15.9	14.3	15.4	15.7	14.8	14.6	15.0	15.7	13.0	14.3	14.1	11.0	12.1	10.8
78.7				12.8	13.4	13.9	13.0	13.7	13.9	12.1	13.2	13.4	11.0	12.1	13.2	9.3	10.6	10.1
85.3				11.0	11.5		11.0	11.7	12.3	10.1	11.2	12.1	9.0	10.1	11.0	7.5	8.8	9.7
91.9				9.3	9.7		9.5	9.9	10.6	8.6	9.5	10.1	7.3	8.4	9.3	6.2	7.3	8.2
98.4							8.2	8.6		7.3	7.9	8.6	6.0	6.8	7.5	4.9	6.0	6.8
105.0							6.8	7.3		6.0	6.6	7.3	4.9	5.7	6.2	4.6	5.3	5.3
111.5							6.0			5.1	5.5	6.2	3.7	4.4	5.1		4.2	4.2
118.1										4.2	4.6	5.1	2.9	3.5	4.0			
124.7										3.3	3.7			2.6	3.1			
131.2										2.6	3.1							
137.8										2.2								



lbs x 1,000

ft	42.7 ft + 3.3 ft + 55.8 ft			72.2 ft + 3.3 ft + 55.8 ft			86.9 ft + 3.3 ft + 55.8 ft			116.1 ft + 3.3 ft + 55.8 ft			145.7 ft + 3.3 ft + 55.8 ft			170.6 ft + 3.3 ft + 55.8 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	12.3																	
11.5	12.3																	
13.1	12.3																	
14.8	12.3			12.3														
16.4	12.3			12.3														
19.7	12.3			12.3			12.3											
23.0	12.3			12.3			12.3											
26.2	12.3			12.3			12.3			12.3								
29.5	12.3	11.2		12.3			12.3			12.3								
32.8	12.3	10.6		12.3			12.3			12.3			10.1					
36.1	12.3	10.1		12.3	10.6		12.3			12.3			10.1					
39.4	11.7	9.7		12.3	10.1		12.3	10.4		12.3			10.1			8.2		
45.9	10.6	8.8	7.7	12.3	9.5		12.3	9.7		12.3	9.7		10.1			8.2		
52.5	9.5	8.2	7.3	11.2	8.8	7.5	11.9	9.0		12.3	9.3		10.1	9.0		8.2		
59.1	8.8	7.5	6.8	10.6	8.4	7.1	11.0	8.6	7.3	11.7	8.8		10.1	8.6		8.2	8.2	
65.6	8.2	7.1	6.6	9.7	7.9	6.8	10.4	8.2	7.1	11.0	8.4	7.1	10.1	8.4		8.2	8.2	
72.2	7.5	6.8	6.4	9.0	7.5	6.6	9.7	7.7	6.6	10.4	7.9	6.8	10.1	7.9	6.8	8.2	7.7	
78.7	7.1	6.4	6.2	8.6	7.1	6.4	9.0	7.3	6.4	9.9	7.7	6.6	9.9	7.7	6.6	8.2	7.5	6.4
85.3	6.6	6.2	6.2	7.9	6.8	6.2	8.6	7.1	6.4	9.3	7.3	6.4	9.5	7.5	6.4	8.2	7.3	6.4
91.9	6.4	6.2		7.5	6.6	6.2	8.2	6.8	6.2	8.8	7.1	6.2	9.3	7.1	6.2	8.2	7.1	6.2
98.4				7.3	6.4	6.0	7.7	6.6	6.0	8.4	6.8	6.2	8.8	7.1	6.2	8.2	6.8	6.0
105.0				6.8	6.2	6.0	7.3	6.4	6.0	8.2	6.6	6.0	8.4	6.8	6.0	7.7	6.6	6.0
111.5				6.6	6.0		7.1	6.2	6.0	7.7	6.4	6.0	8.2	6.6	6.0	7.3	6.2	5.5
118.1				6.4	6.0		6.8	6.0	6.0	7.5	6.2	5.7	7.7	6.4	5.7	6.6	6.0	5.3
124.7							6.6	6.0		7.3	6.2	5.7	7.5	6.2	5.7	6.2	5.5	5.1
131.2							6.4	6.0		6.8	6.0	5.7	7.3	6.2	5.5	5.7	5.3	4.9
137.8							6.4			6.6	6.0	5.7	7.1	6.0	5.5	5.3	5.1	4.6
144.4										6.4	5.7	5.7	6.8	5.7	5.5	4.9	4.6	4.4
150.9										6.4	5.7		6.6	5.7	5.5	4.6	4.4	4.2
157.5										6.2	5.7		6.4	5.5	5.3	4.4	4.2	4.0
164.0										6.2	5.7		6.4	5.5	5.3	4.0	4.0	3.7
170.6													6.2	5.5		3.7	3.7	3.5
177.2													6.0	5.5		3.5	3.3	3.3
183.7													5.3	5.5		3.3	3.3	3.1
190.3													4.9	5.1		3.1	3.1	
196.9													4.4			2.9	2.9	
210.0																2.2	2.4	

lbs x 1,000

	42.7 ft + 3.3 ft + 55.8 ft			72.2 ft + 3.3 ft + 55.8 ft			86.9 ft + 3.3 ft + 55.8 ft			116.1 ft + 3.3 ft + 55.8 ft			145.7 ft + 3.3 ft + 55.8 ft			170.6 ft + 3.3 ft + 55.8 ft				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
9.8	12.3																			
11.5	12.3																			
13.1	12.3																			
14.8	12.3				12.3															
16.4	12.3				12.3															
19.7	12.3				12.3			12.3												
23.0	12.3				12.3			12.3												
26.2	12.3				12.3			12.3												
29.5	12.3	11.2			12.3			12.3												
32.8	12.3	10.6			12.3			12.3						10.1						
36.1	12.3	10.1			12.3	10.6		12.3						10.1						
39.4	11.7	9.7			12.3	10.1		12.3	10.4					10.1				8.2		
45.9	10.6	8.8	7.7		12.3	9.5		12.3	9.7				9.7	10.1				8.2		
52.5	9.5	8.2	7.3		11.2	8.8	7.5	11.9	9.0				12.3	9.3	10.1	9.0		8.2		
59.1	8.8	7.5	6.8		10.6	8.4	7.1	11.0	8.6	7.3	11.7	8.8		10.1	8.6			8.2	8.2	
65.6	8.2	7.1	6.6		9.7	7.9	6.8	10.4	8.2	7.1	11.0	8.4	7.1	10.1	8.4			8.2	8.2	
72.2	7.5	6.8	6.4		9.0	7.5	6.6	9.7	7.7	6.6	10.4	7.9	6.8	10.1	7.9	6.8		8.2	7.7	
78.7	7.1	6.4	6.2		8.6	7.1	6.4	9.0	7.3	6.4	9.9	7.7	6.6	9.9	7.7	6.6		8.2	7.5	6.4
85.3	6.6	6.2	6.2		7.9	6.8	6.2	8.6	7.1	6.4	9.3	7.3	6.4	9.3	7.5	6.4		7.9	7.3	6.4
91.9	6.4	6.2			7.5	6.6	6.2	8.2	6.8	6.2	8.8	7.1	6.2	8.2	7.1	6.2		6.6	7.1	6.2
98.4					7.3	6.4	6.0	7.7	6.6	6.0	8.2	6.8	6.2	6.8	7.1	6.2		5.5	6.8	6.0
105.0					6.8	6.2	6.0	7.3	6.4	6.0	7.1	6.6	6.0	5.5	6.6	6.0			6.0	6.0
111.5					6.6	6.0		7.1	6.2	6.0	6.2	6.4	5.7	4.6	6.0	6.0			5.1	5.5
118.1					6.2	6.0		6.2	6.0	5.7	5.1	6.2	5.7	3.7	4.9	5.7			5.1	5.1
124.7								5.3	5.7		4.4	5.1	5.7		4.0	4.9				
131.2								4.6	4.9		3.5	4.4	4.9		3.1	4.0				
137.8								4.0			2.9	3.5	4.0			3.1				
144.4											2.4	2.9	3.1							
150.9											2.0	2.2								

lbs x 1,000

	42.7 ft + 3.3 ft + 78.7 ft			72.2 ft + 3.3 ft + 78.7 ft			86.9 ft + 3.3 ft + 78.7 ft			116.1 ft + 3.3 ft + 78.7 ft			145.7 ft + 3.3 ft + 78.7 ft			170.6 ft + 3.3 ft + 78.7 ft				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
14.8	9.0																			
16.4	9.0																			
19.7	9.0				8.8															
23.0	9.0				8.8			8.8												
26.2	9.0				8.8			8.8												
29.5	9.0				8.8			8.8			8.8									
32.8	9.0				8.8			8.8			8.8									
36.1	9.0				8.8			8.8			8.8			7.3						
39.4	9.0				8.8			8.8			8.8			7.3						
45.9	9.0	9.0			8.8			8.8			8.8			7.3				6.2		
52.5	9.0	8.6			8.8	8.8		8.8	8.8		8.8			7.3				6.2		
59.1	9.0	7.7			8.8	8.6		8.8	8.8		8.8	8.6		7.3				6.2		
65.6	7.9	7.1	6.0		8.8	7.9		8.8	8.2		8.8	8.4		7.3				6.2		
72.2	7.1	6.4	5.5		8.8	7.3	6.0	8.8	7.7		8.8	7.9		7.3	7.3			6.2		
78.7	6.4	6.0	5.3		8.2	6.8	5.5	8.8	7.1	5.7	8.8	7.5		7.3	7.3			6.2	6.2	
85.3	5.7	5.5	4.9		7.5	6.4	5.3	8.4	6.6	5.5	8.8	7.1	5.5	7.3	7.3			6.2	6.2	
91.9	5.3	5.1	4.6		6.8	6.0	5.1	7.5	6.4	5.3	8.6	6.8	5.3	7.3	7.1	5.5		6.2	5.7	
98.4	4.9	4.9	4.4		6.2	5.5	4.9	7.1	6.0	5.1	8.2	6.4	5.1	7.3	6.8	5.3		6.2	5.5	4.6
105.0	4.4	4.4	4.2		5.7	5.3	4.6	6.4	5.7	4.9	7.7	6.2	5.1	7.3	6.4	5.1		6.2	5.1	4.4
111.5	4.0	4.4			5.3	5.1	4.4	6.0	5.3	4.6	7.1	6.0	4.9	7.3	6.2	5.1		5.7	4.6	4.2
118.1					5.1	4.9	4.4	5.5	5.1	4.4	6.6	5.5	4.6	7.3	6.0	4.9		5.3	4.4	4.0
124.7					4.6	4.6	4.2	5.3	4.9	4.4	6.2	5.3	4.6	7.1	5.7	4.6		4.9	4.2	3.7
131.2					4.4	4.4	4.2	4.9	4.6	4.2	5.7	5.1	4.4	6.6	5.5	4.6		4.6	3.7	3.5
137.8					4.0	4.2		4.6	4.4	4.2	5.5	4.9	4.4	6.2	5.3	4.4		4.2	3.5	3.3
144.4					3.7	4.2		4.4	4.4	4.2	5.3	4.9	4.2	6.0	5.1	4.4		4.0	3.3	3.1
150.9								4.0	4.2		4.9	4.6	4.2	5.5	5.1	4.4		3.5	3.1	2.9
157.5								4.0	4.2		4.6	4.4	4.2	5.3	4.9	4.2		3.3	3.1	2.6
164.0											4.4	4.4	4.2	5.1	4.6	4.2		3.1	2.9	2.6
170.6											4.2	4.2		4.9	4.6	4.2		2.9	2.6	2.4
177.2											4.0	4.2		4.6	4.4	4.2		2.6	2.4	2.2
183.7											4.0	4.2		4.4	4.4	4.2		2.4	2.2	2.2
190.3											3.7			4.0	4.2	4.2		2.2	2.2	2.0
196.9														3.7	4.0			2.0	2.0	2.0
210.0														3.3	3.3					

42.7 – 170.6 ft
 3.3 + 78.7 ft
 HYDRO 3.3 + 78.7 ft
 24.6 ft
 360°
 59,084 lbs
ASME


lbs x 1,000

ft	42.7 ft + 3.3 ft + 78.7 ft			72.2 ft + 3.3 ft + 78.7 ft			86.9 ft + 3.3 ft + 78.7 ft			116.1 ft + 3.3 ft + 78.7 ft			145.7 ft + 3.3 ft + 78.7 ft			170.6 ft + 3.3 ft + 78.7 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
14.8	9.0																	
16.4	9.0																	
19.7	9.0				8.8													
23.0	9.0				8.8		8.8											
26.2	9.0				8.8		8.8											
29.5	9.0				8.8		8.8		8.8									
32.8	9.0				8.8		8.8		8.8									
36.1	9.0				8.8		8.8		8.8				7.3					
39.4	9.0				8.8		8.8		8.8				7.3					
45.9	9.0	9.0			8.8		8.8		8.8				7.3			6.2		
52.5	9.0	8.6			8.8	8.8	8.8		8.8				7.3			6.2		
59.1	9.0	7.7			8.8	8.6	8.8	8.8	8.8				7.3			6.2		
65.6	7.9	7.1	6.0		8.8	7.9	8.8	8.2	8.8	8.4			7.3			6.2		
72.2	7.1	6.4	5.5		8.8	7.3	6.0	8.8	7.7	8.8	7.9		7.3	7.3		6.2		
78.7	6.4	6.0	5.3		8.2	6.8	5.5	8.8	7.1	5.7	8.8	7.5		7.3	7.3	6.2	6.2	
85.3	5.7	5.5	4.9		7.5	6.4	5.3	8.4	6.6	5.5	8.8	7.1	5.5	7.3	7.3	6.2	6.2	
91.9	5.3	5.1	4.6		6.8	6.0	5.1	7.5	6.4	5.3	8.6	6.8	5.3	7.3	7.1	5.5	6.2	5.7
98.4	4.9	4.9	4.4		6.2	5.5	4.9	7.1	6.0	5.1	8.2	6.4	5.1	7.3	6.8	5.3	6.2	5.5
105.0	4.4	4.4	4.2		5.7	5.3	4.6	6.4	5.7	4.9	7.7	6.2	5.1	7.3	6.4	5.1	6.2	5.1
111.5	4.0	4.4			5.3	5.1	4.4	6.0	5.3	4.6	7.1	6.0	4.9	7.3	6.2	5.1	5.7	4.6
118.1					5.1	4.9	4.4	5.5	5.1	4.4	6.6	5.5	4.6	7.3	6.0	4.9	5.3	4.4
124.7					4.6	4.6	4.2	5.3	4.9	4.4	6.2	5.3	4.6	7.1	5.7	4.6	4.9	4.2
131.2					4.4	4.4	4.2	4.9	4.6	4.2	5.7	5.1	4.4	6.6	5.5	4.6	4.6	3.7
137.8					4.0	4.2		4.6	4.4	4.2	5.5	4.9	4.4	6.2	5.3	4.4	4.2	3.5
144.4					3.7	4.2		4.4	4.4	4.2	5.3	4.9	4.2	6.0	5.1	4.4	4.0	3.3
150.9								4.0	4.2		4.9	4.6	4.2	5.5	5.1	4.4	3.5	3.1
157.5								4.0	4.2		4.6	4.4	4.2	5.3	4.9	4.2	3.3	2.6
164.0											4.4	4.4	4.2	4.6	4.6	4.2	3.1	2.6
170.6											4.2	4.2		4.0	4.6	4.2	2.9	2.4
177.2											4.0	4.2		3.5	4.2	4.2	2.4	2.2
183.7											3.7	4.0		2.9	3.5	4.0	2.2	2.2
190.3											3.3			2.4	3.1	3.3		2.0
196.9														2.0	2.6			

42.7 – 170.6 ft
 3.3 + 101.7 ft
 HYDRO 3.3 + 101.7 ft
 24.6 ft
 360°
 82,453 lbs
ASME

lbs x 1,000

ft	42.7 ft + 3.3 ft + 101.7 ft			72.2 ft + 3.3 ft + 101.7 ft			86.9 ft + 3.3 ft + 101.7 ft			116.1 ft + 3.3 ft + 101.7 ft			145.7 ft + 3.3 ft + 101.7 ft			170.6 ft + 3.3 ft + 101.7 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
19.7	6.6																	
23.0	6.6																	
26.2	6.6				6.6			6.4										
29.5	6.6				6.6			6.6										
32.8	6.6				6.6			6.6				6.2						
36.1	6.6				6.6			6.6				6.2						
39.4	6.6				6.6			6.6				6.2						
45.9	6.6				6.6			6.6				6.2			5.3			
52.5	6.6				6.6			6.6				6.2			5.3			
59.1	6.6	6.4			6.6			6.6				6.2			5.3			4.6
65.6	6.4	5.7			6.6	6.2		6.6	6.4			6.2			5.3			4.6
72.2	5.7	5.3			6.6	5.7		6.6	6.0			6.2	6.2		5.3			4.6
78.7	5.1	4.9			6.4	5.3		6.6	5.5			6.2	5.7		5.3			4.6
85.3	4.4	4.4	3.7		5.7	4.9		6.4	5.1			6.2	5.3		5.3	5.3		4.6
91.9	4.0	4.0	3.5		5.1	4.6	3.7	5.7	4.9			6.2	5.1		5.3	5.3		4.6
98.4	3.5	3.7	3.3		4.6	4.2	3.5	5.3	4.4	3.5		6.2	4.9		5.3	4.9		4.6
105.0	3.3	3.5	3.1		4.2	4.0	3.3	4.9	4.2	3.3		5.5	4.4		5.3	4.6		4.6
111.5	2.9	3.3	2.9		4.0	3.7	3.1	4.4	4.0	3.3		5.1	4.2		5.3	4.4		4.4
118.1	2.6	3.1	2.6		3.5	3.5	3.1	4.0	3.7	3.1		4.9	4.0		5.3	4.2		4.0
124.7	2.4	2.9	2.6		3.3	3.3	2.9	3.7	3.5	2.9		4.4	3.7		5.1	4.2		3.7
131.2	2.2	2.6	2.4		3.1	3.1	2.6	3.3	3.3	2.9		4.2	3.7		4.6	4.0		3.3
137.8	2.0	2.4			2.9	2.9	2.6	3.1	3.1	2.6		3.7	3.5		4.4	3.7		3.1
144.4					2.6	2.9	2.6	2.9	3.1	2.6		3.5	3.3		4.2	3.5		2.9
150.9					2.4	2.6	2.4	2.6	2.9	2.6		3.3	3.1		3.7	3.5		2.6
157.5					2.2	2.6	2.4	2.4	2.6	2.4		3.1	3.1		3.5	3.3		2.4
164.0					2.0	2.4		2.4	2.6	2.4		2.9	2.9		3.3	3.3		2.2
170.6								2.2	2.6	2.4		2.6	2.9		3.3	3.1		2.0
177.2								2.0	2.4			2.6	2.6		3.1	2.9		
183.7										2.0		2.4	2.6		2.9	2.9		
190.3												2.2	2.6		2.4	2.9		
196.9												2.2	2.4		2.6	2.6		
210.0												2.0	2.4		2.2	2.6		
223.1															2.4			



59,084 lbs **ASME**

lbs x 1,000

ft	42.7 ft + 3.3 ft + 101.7 ft			72.2 ft + 3.3 ft + 101.7 ft			86.9 ft + 3.3 ft + 101.7 ft			116.1 ft + 3.3 ft + 101.7 ft			145.7 ft + 3.3 ft + 101.7 ft			170.6 ft + 3.3 ft + 101.7 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
19.7	6.6																	
23.0	6.6																	
26.2	6.6			6.6			6.4											
29.5	6.6			6.6			6.6											
32.8	6.6			6.6			6.6			6.2								
36.1	6.6			6.6			6.6			6.2								
39.4	6.6			6.6			6.6			6.2								
45.9	6.6			6.6			6.6			6.2			5.3					
52.5	6.6			6.6			6.6			6.2			5.3			4.6		
59.1	6.6	6.4		6.6			6.6			6.2			5.3			4.6		
65.6	6.4	5.7		6.6	6.2		6.6	6.4		6.2			5.3			4.6		
72.2	5.7	5.3		6.6	5.7		6.6	6.0		6.2	6.2		5.3			4.6		
78.7	5.1	4.9		6.4	5.3		6.6	5.5		6.2	5.7		5.3			4.6		
85.3	4.4	4.4	3.7	5.7	4.9		6.4	5.1		6.2	5.3		5.3	5.3		4.6		
91.9	4.0	4.0	3.5	5.1	4.6	3.7	5.7	4.9		6.2	5.1		5.3	5.3		4.6	4.6	
98.4	3.5	3.7	3.3	4.6	4.2	3.5	5.3	4.4	3.5	6.2	4.9		5.3	4.9		4.6	4.2	
105.0	3.3	3.5	3.1	4.2	4.0	3.3	4.9	4.2	3.3	5.5	4.4	3.5	5.3	4.6		4.6	3.7	
111.5	2.9	3.3	2.9	4.0	3.7	3.1	4.4	4.0	3.3	5.1	4.2	3.3	5.3	4.4	3.3	4.4	3.5	
118.1	2.6	3.1	2.6	3.5	3.5	3.1	4.0	3.7	3.1	4.9	4.0	3.3	5.3	4.2	3.3	4.0	3.3	
124.7	2.4	2.9	2.6	3.3	3.3	2.9	3.7	3.5	2.9	4.4	3.7	3.1	5.1	4.2	3.1	3.7	3.1	
131.2	2.2	2.6	2.4	3.1	3.1	2.6	3.3	3.3	2.9	4.2	3.7	2.9	4.6	4.0	3.1	3.3	2.6	
137.8	2.0	2.4		2.9	2.9	2.6	3.1	3.1	2.6	3.7	3.5	2.9	4.4	3.7	2.9	3.1	2.4	
144.4				2.6	2.9	2.6	2.9	3.1	2.6	3.5	3.3	2.9	4.2	3.5	2.9	2.9	2.2	
150.9				2.4	2.6	2.4	2.6	2.9	2.6	3.3	3.1	2.6	3.7	3.5	2.9	2.6	2.2	
157.5				2.2	2.6	2.4	2.4	2.6	2.4	3.1	3.1	2.6	3.5	3.3	2.6	2.4	2.0	
164.0				2.0	2.4		2.4	2.6	2.4	2.9	2.9	2.6	3.3	3.3	2.6	2.2		
170.6							2.2	2.6		2.6	2.9	2.4	3.1	3.1	2.6	2.0		
177.2							2.0	2.4		2.6	2.6	2.4	3.1	2.9	2.4			
183.7							2.0			2.4	2.6	2.4	2.9	2.9	2.4			
190.3										2.2	2.6	2.4	2.6	2.6	2.4			
196.9										2.2	2.4		2.2	2.2	2.4			
210.0										2.0	2.2		2.0	2.0				



EQUIPMENT

ÉQUIPEMENT
EQUIPAMIENTO



Equipment

Carrier

Frame: Torsion-resistant, welded construction made from high-strength, fine-grained steel. Central lubricating system.

Outriggers: 4-point double telescopic hydraulic outriggers incl. asymmetric outrigger base and automatic length detection. Controls on both sides of carrier and in Superstructure cab. Outrigger base 24.6 ft/ 7.5 m, 20.3 ft/ 6.2 m, 16.4 ft/ 5.0 m, 13.5 ft/ 4.1m, 8.2 ft/ 2.5 m x 26.3 ft/ 8.0 m.

Carrier engine: Mercedes-Benz 6 cylinder model OM 471 LA (Euromot IV / EPA Tier 4f), water-cooled diesel engine. Hydrostatically driven, electronically controlled fan. Rated at 530 HP (390 kW) at 1700 min⁻¹. Torque 1,814 ft-lbs/ 2460 Nm at 1300 min⁻¹. Engine rating acc. to ECE R 120. Fuel tank 159 gal/ 600 l. AdBlue tank 11 gal/ 40 l, incl. level and quality sensor and tank heating.

Transmission: Main transmission: mechanical ZF AS-Tronic transmission, type 12 AS 2531, with integrated intarder, electro-pneumatically actuated dry clutch and fully automatic transmission control system. 12 forward gears and 2 reverse gears. If necessary, semi-automatic mode (Tip-Tronic) is possible with manual gear selection. 2-stage transfer case VG 3750.

Drive: 10 x 6

Axles:

1st axle: steered, not driven, with differential lock, transverse.

2nd axle: steered, driven, with differential lock, transverse.

3rd axle: steered, not driven.

4th axle: steered, driven, with differential lock, longitudinal and transverse.

5th axle: steered, driven, with differential lock, transverse.

Suspension: Hydro-pneumatic suspension with levelling adjustment; suspension cylinders can be locked electro-hydraulically.

Brake system: Air-operated dual-circuit disc brake system with electrical wear indicator and air drier.

Parking brake: spring loaded type acting on 2nd, 4th and 5th axles. Intarder and engine brake as continuous service brake.

Tyres: (10) 445/95 R 25 (16.00 R 25).

Steering system: ZF-Servocom, dual circuit hydraulic steering with emergency steering pump (mechanical, hydraulically assisted). Mechanical steering of 1st and 2nd axles and automatic electronic steering of the 3rd and 4th axles up to a travel speed of 15.5 mph/ 25km/h and of the 5th axle up to a speed of 52.8 mph/ 50 km/h.

Carrier cab: Two-man full-width cab of steel / plastic composite design, tempered glass, air-suspended seats (driver's seat with heater) and engine-fed warm water heating, air conditioning, radio / CD player, controls and instrumentation for road travel. Cruise Control and hill braking feature.

Electrical system: 24 V DC system, 2 batteries, outrigger area lighting, acoustic back-up alarm, lighting system with Bi halogen headlights; LED daytime running light; LED foglights, 4 rotating beacon warning lights, CAN bus system with integral self-test CSS system. Electrical system conforms with ECE regulations.

Optional equipment: (at extra charge)

Towing attachment, autonomous supplementary heating with engine-preheater, drive 10 x 8, ABS system, 525/80 R 25 (20.5 R 25) tyres, spare wheel, special paint and lettering. Further optional equipment available upon request.

Superstructure

Frame: Torsion-resistant all-welded structure. Connected to carrier by single-row, ball-bearing slewing ring with external gearing for 360° continuous rotation. Central lubricating system.

Superstructure engine: Mercedes-Benz 4 cylinder model OM 934 LA (Euromot IV / EPA Tier 4f), water cooled diesel engine. The engine speed can be varied via a foot pedal. Rated at 175 HP (129 kW) at 2200 min⁻¹. Torque 553 ft-lbs/ 750 Nm at 1200 - 1600 min⁻¹. Engine rating acc. to ECE R 120. Fuel tank 58 gal/ 220 l. AdBlue tank 2.6 gal/ 10 l, incl. level and quality sensor and tank heating.

Hydraulic system: Three-circuit diesel-hydraulic system, 1 power-controlled axial piston double pump (electro-hydraulically adjustable), and 1 axial piston pump for slewing system and 1 gear pump for control oil supply, oil cooler.

Controls: Electrically pre-controlled, 2 joy-stick levers.

Telescopic boom: Five sections, made of high tensile fine-grained steel, consisting of 1 base section and 4 telescoping sections, 1 telescopic cylinder, extendable hydraulically under partial load. 42.7 ft/ 13.0 m to 170.6 ft/ 52.0 m long. Boom head with 6 sheaves. Jib bracket

Boom elevation: One differential cylinder with attached lowering brake check valve.

Main winch: Axial piston motor, winch drum with integrated planetary reduction and hydraulically controlled spring-loaded multiple disc brake and integrated free rotation (no sagging of load when hoisting). Drum rotation indicator. Hoist cable with 'Super-Stop' easy reeving system.

Slewing system: Axial-piston constant motor, three-stage planetary reduction with foot-actuated or automatic service and parking brake. Open hydraulic circuit with swing mechanism lock-out. Swing speed steplessly variable from 0 to 1.7 min⁻¹.

Counterweight: Standard 15,653 lbs/ 7.1 t divisible. Installation and removal controlled from superstructure cab.

Superstructure cab: Spacious crane cab of composite steel / plastic design with tempered tinted glass windows, steplessly tiltable cockpit with mechanically cushioned adjustable driver's seat with heater, engine-fed warm water heater unit and autonomous supplementary heater with engine pre-heating. Air conditioning, radio / CD player, controls and instrumentation for crane operation. Actuation of outrigger and carrier engine functions possible from the superstructure cab.

Electrical system: 24 V DC system, 2 batteries, 2 working floodlights integrated in crane cab.

Safety devices: 'Lift Adjuster', electronic load moment limiter (LMB) TADANO AML F with LCD color display, anemometer, slewing area and working range limitation with 'Slow-Stop' feature, hoist limit switch, lower limit switch, safety valves protect against pipe and hose ruptures. Fall protection system.

Dolly kit: Slewing gear unfixed & boom socket

Optional equipment: (at extra charge)

Jibs 3.3 ft/ 1.0 m + 9.2 ft/ 2.8 m up to 105 ft/ 32 m, mechanically tiltable at choice 0°/20°/40° or hydraulically tiltable 0° to 40°. Additional counterweight 58,643 lbs/ 26.6 t. 11 US t/ 10 t hook tackle, hook blocks from 35.3 US t/ 32 t to 176.4 US t/ 160 t, 2nd winch, supplementary oil cooler. Special paint and lettering. Further optional equipment available upon request.

Châssis

Châssis: Construction mécano-soudée, en acier à grain fin très rigide, résistant aux flexions et aux torsions. Système de graissage centralisé.

Calage: Dispositif de calage horizontal et vertical double en 4 points, entièrement déployable hydrauliquement, y compris distance entre appuis asymétrique, détection de longueur automatique, commande des mouvements sur les deux côtés du porteur et depuis la cabine de la superstructure. Calage 24.6 ft/ 7.5 m, 20.3 ft/ 6.2 m, 16.4 ft/ 5.0 m, 13.5 ft/ 4.1 m, 8.2 ft/ 2.5 m x 26.3 ft/ 8.0 m.

Moteur: Mercedes Benz diesel 6 cylindres, modèle OM 471 LA (Euromot IV / EPA Tier 4f), refroidi par eau. Soufflante à entraînement hydrostatique avec régulation électronique, puissance 530 CV (390 kW) à 1700 min⁻¹. Couple: 1,814 ft-lbs/ 2460 Nm à 1300 min⁻¹. Puissance moteur selon ECE R 120. Capacité du réservoir 159 gal/ 600 l. Capacité du réservoir AdBlue: 11 gal/ 40 l y compris capteur de niveau et de qualité et chauffage du réservoir.

Boîte de vitesse: Boîte principale ZF-AS-Tronic, modèle 12 AS 2531, boîte de vitesses mécanique avec intarder intégré, embrayage à sec électro-pneumatique et commande des vitesses complètement automatique avec 12 vitesses AV et 2 vitesses AR. Si nécessaire, mode partiellement automatique (Tip-Tronic) avec sélection de vitesses manuelle possible. Boîte de transfert à 2 gammes VG 3750.

Entraînement: 10 x 6

Essieux:

1^{er} essieu: directeur, non entraîné, blocage de différentiel transversal.

2^{ème} essieu: directeur, entraîné, blocage de différentiel transversal.

3^{ème} essieu: directeur, non entraîné.

4^{ème} essieu: directeur, entraîné, blocage de différentiel longitudinal et transversal.

5^{ème} essieu: directeur, entraîné, blocage de différentiel transversal.

Suspension: Hydro-pneumatique avec réglage de niveau, vérins de suspension blocables électro-hydrauliquement.

Freins: Système de frein à disque, à air comprimé, à double circuit, avec indicateur d'usure électrique et sécheur d'air. Frein de stationnement: avec accumulateurs à ressort agissant sur les essieux 2, 4 et 5. Intarder et frein moteur comme frein continu.

Pneus: 10 x 445/95 R 25 (16:00 R 25).

Direction: Marque ZF Servocom hydraulique, à double circuit; (direction mécanique, à assistance hydraulique) avec pompe de secours pour direction. Direction mécanique des 1^{er} et 2^{ème} essieux et direction automatique électronique des 3^{ème} et 4^{ème} essieux jusqu'à une vitesse de 15.5 mph/ 25 km/h, et du 5^{ème} essieu jusqu'à une vitesse de 52.8 mph/ 50 km/h.

Cabine: Cabine bi-place frontale, construction en matière composite acier / synthétique, vitrage en verre de sécurité, sièges suspendus pneumatiquement (siège conducteur chauffant). Chauffage à eau chaude alimenté par le moteur, climatiseur, radio / CD-player, éléments de contrôle et de commande pour la conduite. Régulateur de vitesse/système automatique de freinage.

Système électrique: 24 V courant continu, 2 batteries, système d'éclairage avec des projecteurs halogène Bi ; feu de circulation diurne DEL ; feux-brouillard DEL, 4 gyrophares système de bus CAN avec système autodiagnostic CSS intégré, éclairage de la distance entre appuis. Conforme à la norme ECE.

Équipement supplémentaire: (avec supplément de prix) Attache-remorque, chauffage auxiliaire indépendant du moteur avec préchauffage du moteur, entraînement 10 x 8, système ABS, pneus 525/80 R 25 (20.5 R 25), roue de secours, peinture spéciale et inscription. Autres équipements supplémentaires sur demande.

Superstructure

Plate forme: Construction mécano-soudée résistante à la torsion, couronne d'orientation à billes à une rangée, à denture extérieure, permettant une rotation illimitée sur 360°. Graissage centralisé.

Moteur: Mercedes-Benz diesel 4 cylindres, modèle OM 934 LA (Euromot IV / EPA Tier 4f), refroidi par eau. Réglage du nombre de tours en continu par pédale, puissance 175 CV (129 kW) à 2200 min⁻¹. Couple: 553 ft-lbs/ 750 Nm à 1200 - 1600 min⁻¹. Puissance moteur selon ECE R 120. Capacité du réservoir 58 gal/ 220 l. Capacité du réservoir AdBlue: 2.6 gal/ 10 l y compris capteur de niveau et de qualité et chauffage du réservoir.

Système hydraulique: Système diesel-hydraulique à trois circuits, 1 double pompe à piston axial réglée en fonction de la puissance (à réglage électro-hydraulique) 1 pompe à piston axial pour groupe de rotation, 1 pompe à engrenages pour alimentation en huile de commande, radiateur d'huile.

Commande: 2 manipulateurs à commande en croix (4 sens), assistés électriquement.

Flèche télescopique: Flèche télescopique à cinq éléments, en acier à texture fine et très résistant, se composant d'une flèche de base et de 4 éléments télescopiques, 1 vérin de télescopage, télescopable hydrauliquement sous charge partielle. Longueur 42.7 ft/ 13.0 m à 170.6 ft/ 52.0. Tête de flèche avec 6 poulies. Console de rallonge de flèche

Mécanisme de relevage: Un vérin différentiel pourvu d'un clapet ralentisseur d'arrêt de descente.

Mécanisme de levage: Moteur à piston axial, tambour de levage avec boîte planétaire incorporée et frein d'arrêt à disques multiples hydraulique à ressort, libéré lors du levage. Indicateur de rotation du treuil. Câble de levage avec dispositif 'Super-Stop'.

Groupe de rotation: Moteur à cylindrée constante à pistons axiaux, avec engrenage planétaire de trois étages avec frein de service et d'arrêt actionné à pied ou automatique. Circuit hydraulique ouvert avec déconnexion du groupe de rotation. Vitesse de rotation réglable progressivement de 0-1,7 min⁻¹.

Contrepoids: Poids total 15,653 lbs/ 7.1 t divisible. Pose et dépose commandés depuis la cabine du grutier.

Cabine du grutier: Cabine de grue spacieuse, construction en matière composite acier / synthétique, vitrage de sécurité en verre teinté, place de travail inclinable en continu avec siège du conducteur réglable, amorti mécaniquement, chauffant; chauffage à eau chaude alimenté par le moteur et chauffage auxiliaire autonome avec préchauffage du moteur, climatiseur, radio / CD-player, éléments de commande et de contrôle pour le service de grue. Actionnement des outriggers et des fonctions du moteur du châssis à partir de la cabine de la superstructure.

Système électrique: 24 V courant continu, 2 batteries, 2 phares de travail intégrés dans la cabine de grue.

Dispositifs de sécurité: 'Lift Adjuster', contrôleur de l'état de charge (CEC) électronique TADANO AML-F avec affichage couleur à cristaux liquides, anémomètre, limitation du rayon de rotation et du rayon de travail avec fonction 'Slow-Stop', interrupteur fin de course de levage, interrupteur fin de course de treuil, soupapes de sécurité contre les ruptures de tuyaux et flexibles. Système de protection antichute.

Jeu d'accessoires pour chariot de transport: Groupe de rotation non bloqué + support pour la flèche.

Équipement supplémentaire: (avec supplément de prix) Rallonge de flèche inclinable 3.3 ft/ 1.0 m + 9.2 ft/ 2.8 m à 105 ft/ 32 m, inclinable mécaniquement 0°/20°/40°, inclinable hydrauliquement 0° à 40°. Contrepoids additionnel de 58,643 lbs/ 26.6 t. Ensemble de crochet porte-charge de 11 US t/ 10 t, mouffles de 35.3 US t/ 32 t à 176.4 US t/ 160 t, 2^{ème} treuil de levage, radiateur d'huile supplémentaire. Peinture spéciale et inscription. Autres équipements supplémentaires sur demande.

Equipamiento

Chasis

Chasis portante: Construcción de acero de alta resistencia soldado, resistente a la torsión y a la flexión. Sistema de engrase central.

Estabilizadores: Estabilizadores telescópicos hidráulicos dobles de 4 puntos, incl. base de apoyo asimétrica y detección automática de longitud, posibilidad de manejo desde ambos lados del chasis portante y desde la cabina de la grúa. Extensión de los estabilizadores: 24.6 ft/ 7.5 m, (y 20.3 ft/ 6.2 m, 16.4 ft/ 5.0 m, 13.5 ft/ 4.1m, 8.2 ft/ 2.5 m) x 26.3 ft/ 8.0 m.

Motor: Mercedes Benz de 6 cilindros diesel, modelo OM 471 LA (Euromot IV / EPA Tier 4f), refrigerado por agua, ventilador con propulsión hidrostática y regulación electrónica, potencia: 530 CV (390 kW) a 1700 min⁻¹. Par 1,814 ft-lbs/ 2460 Nm a 1300 min⁻¹. Potencia del motor según ECE R 120. Depósito de combustible de 159 gal/ 600 l. Depósito AdBlue 11 gal/ 40 l, incl. sensor de nivel de llenado y calidad y calefacción de depósito.

Transmisión: Transmisión principal mecánica del tipo ZF-AS-Tronic 12 AS 2531 con intarder integrado, con embrague en seco con accionamiento electro-neumático y cambio automático con 12 marchas delanteras y 2 marchas traseras. Si fuera necesario, se puede operar la transmisión en forma parcialmente automática (Tip-Tronic), seleccionando las marchas manualmente. Caja de distribución (transfer) VG 3750 con 2 relaciones de velocidad.

Tracción: 10 x 6

Ejes:

1° eje: de dirección, no accionado, con bloqueo diferencial transversal.

2° eje: de dirección, accionado, con bloqueo diferencial transversal.

3° eje: de dirección, no accionado.

4° eje: de dirección, accionado, con bloqueo diferencial longitudinal y transversal.

5° eje: de dirección, accionado, con bloqueo diferencial transversal.

Suspensión: Suspensión hidroneumática con regulación de nivel, posibilidad de bloqueo electro-hidráulico de los cilindros de suspensión.

Sistemas de frenos: Sistema de frenos de disco neumático de doble circuito con indicador de desgaste eléctrico y secador de aire. Freno de estacionamiento del tipo freno de muelle, accionando en los ejes 2, 4 y 5. Intarder y freno de motor como freno continuo.

Neumáticos: 10 x 445/95 R 25 (16.00 R 25).

Dirección: Dirección hidráulica ZF Servocom de doble circuito (mecánica, con asistencia hidráulica) con bomba hidráulica de emergencia. Dirección mecánica al 1° y 2° eje y direccional electrónicamente al 3° y 4° eje hasta una velocidad de 15.5 mph/ 25 km/h y al 5° eje hasta una velocidad de 52.8 mph/ 50 km/h.

Cabina: Cabina de conductor frontal para dos personas en construcción compuesta de acero y plástico, acristalamiento de seguridad, asientos con suspensión neumática (asiento del conductor calefactable) y calefacción por agua caliente dependiente del motor, climatizador, radio / reproductor de CD, elementos de control y mando para la conducción, regulador de velocidad / sistema automático de frenado.

Sistema eléctrico: 24 voltios de corriente continua, 2 baterías, sistema de bus CAN con sistema CSS de autodiagnóstico integrado, iluminación de la zona de apoyo. Sistema de luces con faros bihalógenos, luz LED de marcha diurna, faro LED antiniebla, 4 luces de aviso omnidireccionales, El sistema eléctrico cumple la normativa ECE.

Equipo adicional: (con suplemento de precio)

Enganche para remolque, calefacción adicional independiente del motor con precalefacción del motor, tracción 10 x 8, sistema antibloqueo ABS, neumáticos 525/80 R 25 (20.5 R 25), rueda de repuesto, pintura especial y rotulación. Otros equipamientos adicionales sobre pedido.

Superestructura

Superestructura: Construida en acero soldado, resistente a la torsión, corona de giro con rodamiento de una fila de bolas con dientes externos con giro continuo de 360°. Sistema de engrase central.

Motor: Mercedes Benz de 4 cilindros diesel, modelo OM 934 LA (Euromot IV / EPA Tier 4f), refrigerado por agua. Las revoluciones aumentan de forma gradual accionando el acelerador, potencia: 175 CV (129 kW) a 2200 min⁻¹. Par 553 ft-lbs/ 750 Nm a 1200 - 1600 min⁻¹. Potencia del motor según ECE R 120. Depósito de combustible de 58 gal/ 220 l. Depósito AdBlue 2.6 gal/ 10 l, incl. sensor de nivel de llenado y calidad y calefacción de depósito.

Sistema hidráulico: Sistema dieselhidráulico de 3 circuitos, 1 bomba doble de pistones axiales de caudal variable (regulable electro-hidráulicamente), 1 bomba de pistones axiales para mecanismo de giro y 1 bomba de engranajes para abastecimiento de aceite de mando, radiador de aceite.

Mandos: 2 palancas de control de tipo joy-stick para movimientos simultáneos de la grúa (4 direcciones), asistidas eléctricamente.

Pluma telescópica: Pluma telescópica de cinco secciones de acero de alta resistencia soldado; se compone de un tramo base y 4 tramos telescópicos, 1 cilindro telescópico; los tramos pueden telescoparse hidráulicamente bajo carga parcial. Longitud de 42.7 ft/ 13.0 m a 170.6 ft/ 52.0 m. Cabeza de pluma con 6 poleas. Depósito de alargamiento de pluma.

Elevación de pluma: Mediante un cilindro diferencial con válvula de retención de bajada de bloqueo integrada.

Cabrestante principal: Motor de pistones axiales, tambor del cabrestante con reducción planetaria incorporada y freno hidráulico a discos múltiples cargado por resorte con sistema libre de elevación. Indicador de giros del cabrestante. Cable de elevación con sistema 'Super-Stop'.

Mecanismo de giro: Motor de cilindrada constante de pistones axiales, con reducción planetaria de tres etapas con freno de servicio y estacionamiento accionado por pedal o automáticamente. Circuito hidráulico abierto con desbloqueo del mecanismo giratorio. Velocidad de giro variable continuamente de 0 a 1,7 min⁻¹.

Contrapeso: Estándar: 15,653 lbs/ 7.1 t divisible. Montaje y desmontaje se accionan desde la cabina de la grúa.

Cabina de la grúa: Cabina de grúa espaciosa en construcción de acero y plástico, con cristales tintados de seguridad, puesto de trabajo inclinable sin escalonamiento con asiento de conductor regulable, amortiguado hidráulicamente y calefactado, calefacción por agua caliente dependiente del motor y calefacción adicional independiente del motor con precalefacción del motor, climatizador, radio / reproductor de CD, elementos de control y mando para el manejo de la grúa. El sistema de estabilización y las funciones del motor del chasis pueden activarse desde la cabina de la superestructura.

Sistema eléctrico: 24 voltios de corriente continua, 2 baterías, 2 faros de trabajo integrados en la cabina de la grúa.

Medidas de seguridad: 'Lift Adjuster', limitador electrónico del momento de carga (LMC) TADANO AML F con pantalla de color LCD, anemómetro, limitación de la zona de giro y del área de trabajo con función 'Slow-Stop', interruptor de fin de carrera de elevación, interruptor de fin de carrera del cabrestante, válvulas de seguridad contra roturas de tubos y latiguillos. Sistema de protección contra caídas.

Juego para carro tipo dolly: Sin fijar el mecanismo giratorio + soporte para pluma.

Equipo adicional: (con suplemento de precio)

Alargamiento de pluma regulable de 3.3 ft/ 1.0 m + 9.2 ft/ 2.8 m a 105 ft/ 32 m, regulable mecánicamente de 0°/20°/40°, regulable hidráulicamente de 0° a 40°. Contrapeso adicional de 58,643 lbs/ 26.6 t. Accesorios de gancho de 11 US t/ 10 t, pastecas de carga de 35.3 US t/ 32 t a 176.4 US t/160 t, 2° cabrestante, radiador de aceite adicional. Pintura especial y rotulación. Otros equipamientos adicionales sobre pedido.

ADDITIONAL INFORMATION

INFORMATIONS SUPPLÉMENTAIRES
INFORMACIÓN ADICIONAL



Remarks relating to the capacity charts · Remarques relatives aux tableaux des charges Notas relativas a los graficos de carga

1. The rated lifting capacities conform to ASME B30.5-1.1. Capacities shown are for reference only. Please refer to the original lifting capacity charts for operations.
2. Depending on the boom length, with the lifting capacity charts, wind speeds up to max. 49 fps/ 15 m/s are admissible. Due to the different extension sequences of the various telescopes, the boom lengths may differ slightly from those indicated in the lifting capacity charts.
3. The lifting capacities are indicated in 1,000 lbs.
4. The weight of load handling devices such as hook blocks, slings, etc., must be considered as part of the load and must be deducted from the lifting capacities.
5. The lifting capacities for the telescopic boom apply to a crane with no jib being stowed or mounted on the crane.
6. The working radius is the horizontal distance from the centre of rotation to the centre of the freely suspended non-oscillating load.

1. Les charges de levage nominales sont en conformité avec ASME B30.5-1.1. Les charges de levage indiquées sont uniquement des valeurs indicatives. Pour les travaux réels, voir les tableaux de charges originaux.
2. En fonction de la longueur de la flèche, des vitesses du vent jusqu'à 49 fps/ 15 m/s maxi. sont admissibles avec les tableaux des charges. A cause des séquences d'extension différentes des télescopes individuels, les longueurs de flèche peuvent varier légèrement par rapport aux valeurs indiquées dans les tableaux de charge.
3. Les forces de levage sont indiquées en 1,000 lbs.
4. Le poids du crochet-moufle et de tous les accessoires d'élingage font partie de la charge et sont à déduire des charges indiquées.
5. Les forces de levage indiquées pour la flèche télescopique s'entendent rallonge de flèche déposée.
6. Comme portée, on entend la distance horizontale du centre de la couronne de rotation au centre de la charge librement suspendue et non oscillante.

1. Las cargas nominales son en conformidad con ASME B30.5-1.1. Las cargas indicadas son únicamente valores indicativos. Para los trabajos, consúltense las tablas de carga originales.
2. En función de la longitud de la pluma, las tablas de carga permiten velocidades del viento hasta un máximo de 49 fps/ 15 m/s. Debido a las diferentes secuencias de extensión de los telescopios, puede haber algunas variaciones insignificantes con respecto a las longitudes de pluma indicadas en las tablas de carga.
3. Las capacidades de carga indicadas en las tablas se indican en 1,000 lbs.
4. Hay que deducir los pesos del gancho, eslingas y de otros dispositivos para fijación de cargas de los valores indicados en las tablas.
5. Las capacidades de carga referentes a la pluma telescópica valen solamente si el alargamiento de pluma está desmontado.
6. Como alcance se entiende la distancia horizontal desde el centro de la corona de giro hasta el centro de la carga suspendida libremente y no oscilante.





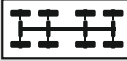





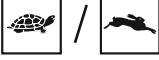



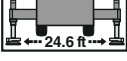

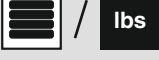





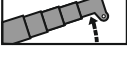



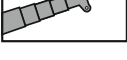


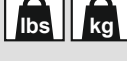



General remarks · Remarques générales · Notas adicionales

Unless otherwise specified, all the information given in this brochure refers to the standard equipment of the crane and only is intended as general information. For correct crane operation, the original operating manual and lifting capacity charts are mandatory. No liability is accepted for the accuracy of this information. We reserve the right to change information at our discretion. Illustrations are for representation only. All dimensions are indicated in feet [millimeters] - unless otherwise specified.

Sauf indication contraire, toutes les informations dans cette brochure se rapportent à l'équipement standard de la grue et constituent uniquement des informations générales. Pour le fonctionnement correct de la grue, le manuel d'instructions original et les tableaux des charges de levage sont déterminants. Toutes les informations sont fournies sans garantie. Nous nous réservons le droit de modifier les informations à notre discrétion. Les illustrations sont présentées à des fins d'illustration uniquement. Toutes les cotes - sauf indication différente - en feet [millimeters].

A no ser que se indique lo contrario, todos los datos incluidos en este folleto hacen referencia al equipamiento estándar de la grúa y sólo tienen un carácter informativo general. El manual de instrucciones original y las tablas de capacidades de carga son determinantes para lograr un correcto funcionamiento de la grúa. Todos los datos se facilitan sin garantía. Queda reservado el derecho de introducir modificaciones según nuestra única discreción. Las ilustraciones se incluyen únicamente con fines ilustrativos. Todas las dimensiones - salvo indicación en contrario - en feet [millimeters].

Symbols · Glossaire des symboles · Glosario de símbolos

	Gross weight · Poids total · Peso total		Dolly · Chariot de transport dolly · Carro tipo dolly
	Axle load · Charge à l'essieu · Carga por eje		Swing area · Rayon de rotation · Zona de giro
	Drive · Entraînement · Tracción		Hydraulically lockable · Verrouillable hydrauliquement Con embulonamiento hidráulico
	Tyres · Pneus · Neumáticos		Main winch · Mécanisme de levage Cabrestante principal
	Gradeability · Capacité de gravissement de pente Superación de pendientes		Auxiliary winch · Treuil supplémentaire Cabrestante auxiliar
	Off road / On road · Tout-terrain / Mode "Route" Todo terreno / En carretera		Hook block / Swivel hook · Moufle / Élingues Gancho / Gancho de bola
	Speed · Vitesse · Velocidad		Rated capacity Capacité nominale Capacidad nominal
	Outriggers · Calage · Estabilizadores		Lifting capacity · Charge de levage · Carga Portata
	Counterweight · Contrepoids · Contrapeso		Rope sheaves · Poulies de câbles · Poleas de cable
	Counterweight element · Élément de contrepoids Parte del contrapeso		Parts of line · Brins de câble · Ramales de cable
	Length · Longueur · Longitud		Dead-weight · Poids total · Tara
	Boom elevation · Mécanisme de relevage Elevación de pluma		Wire rope length · Longueur du câble de levage Longitud del cable
	Boom telescoping · Télescopage de flèche Telescopaje de pluma		Wire rope diameter · Diamètre du câble de levage Diámetro del cable de elevación
	Telescopic boom · Flèche télescopique Pluma telescópica		Maximum wire rope pulling force Force de traction maxi. du câble de levage Fuerza de tracción maxima del cable de elevación
	Radius · Portée · Radio		Weight · Poids · Peso
	Tilttable jib · Fléchette inclinable · Plumín regulable	US t t	= short tons · tonnes américaines · toneladas cortas = metric tons · tonnes métriques · toneladas métricas
	Hydraulically tilttable jib Fléchette inclinable hydrauliquement Plumín regulable hidráulicamente	ASME	Standard by The American Society of Mechanical Engineers Norme délivrée par The American Society of Mechanical Engineers Norma emitida por The American Society of Mechanical Engineers
	Fly jib section · Élément de fléchette · Plumín		



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