

ATF 70G-4 | MAIN BOOM 170.9 ft/52.1 m

75 US t / 70 t MAX. CAPACITY

TIER 4f

ALL TERRAIN CRANE



Table of contents · Table des matières · Índice

General · Généralités · Generalidades

Boom systems · Systèmes de flèche · Sistema de pluma	4 - 5
--	-------

Vehicle dimensions · Dimensions du véhicule · Dimensiones del vehículo	6 - 7
--	-------

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

Axle loads · Charges par essieu · Cargas por eje	10 - 15
--	---------

Speeds and gradeability · Vitesses de conduite et gravissement de pente · Velocidades y pendientes superables	16
---	----

Steering · Direction · Dirección	16
----------------------------------	----

Transport · Transporte

Counterweight · Contrepoids · Contrapeso	18 - 19
--	---------

Jibs · Fléchettes · Plumines	20
------------------------------	----

Hose drum for hydraulic jib · Tambour de flexible pour fléchette hydraulique · Devanadera para plumín hidráulico	21
--	----

Auxiliary winch · Treuil supplémentaire · Cabrestante auxiliar	21
--	----

Operation · Utilisation · Uso

Main boom · Flèche principale · Pluma principal	24
---	----

Swing mechanism · Groupe de rotation · Mecanismo de giro	24
--	----

Winches · Treuils · Cabrestantes	24
----------------------------------	----

Hook blocks · Moufles · Pastecas de carga	24
---	----

Working ranges and lifting capacities · Rayons de travail et charges de levage · Áreas de trabajo y cargas	26- 46
--	--------

Equipment · Équipement · Equipamiento

Equipment · Équipement · Equipamiento	48 - 50
---------------------------------------	---------

Additional information · Informations supplémentaires · Información adicional

Remarks · Remarques · Notas	52
-----------------------------	----

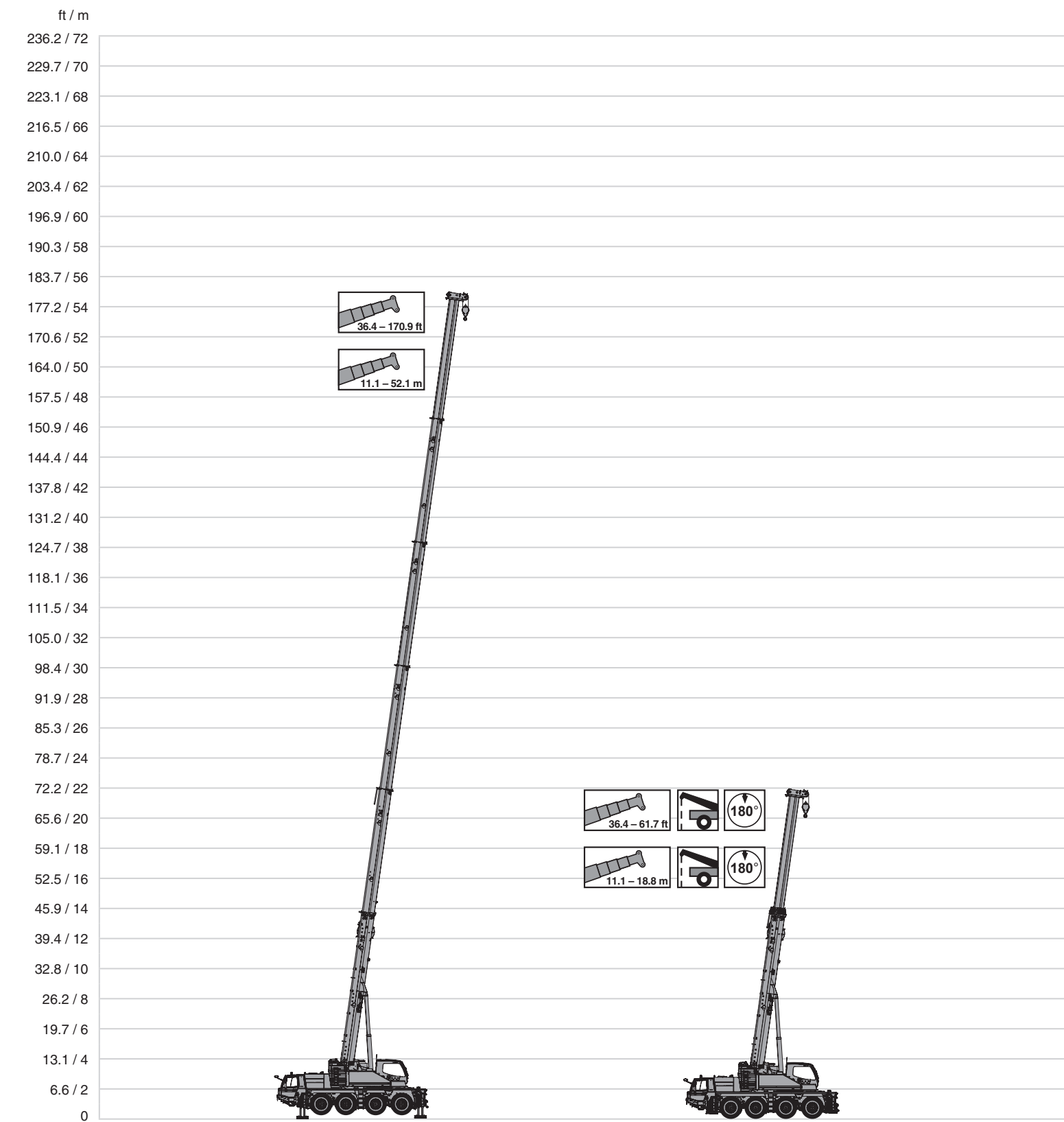
Symbols · Glossaire des symboles · Glosario de simbolos	53
---	----

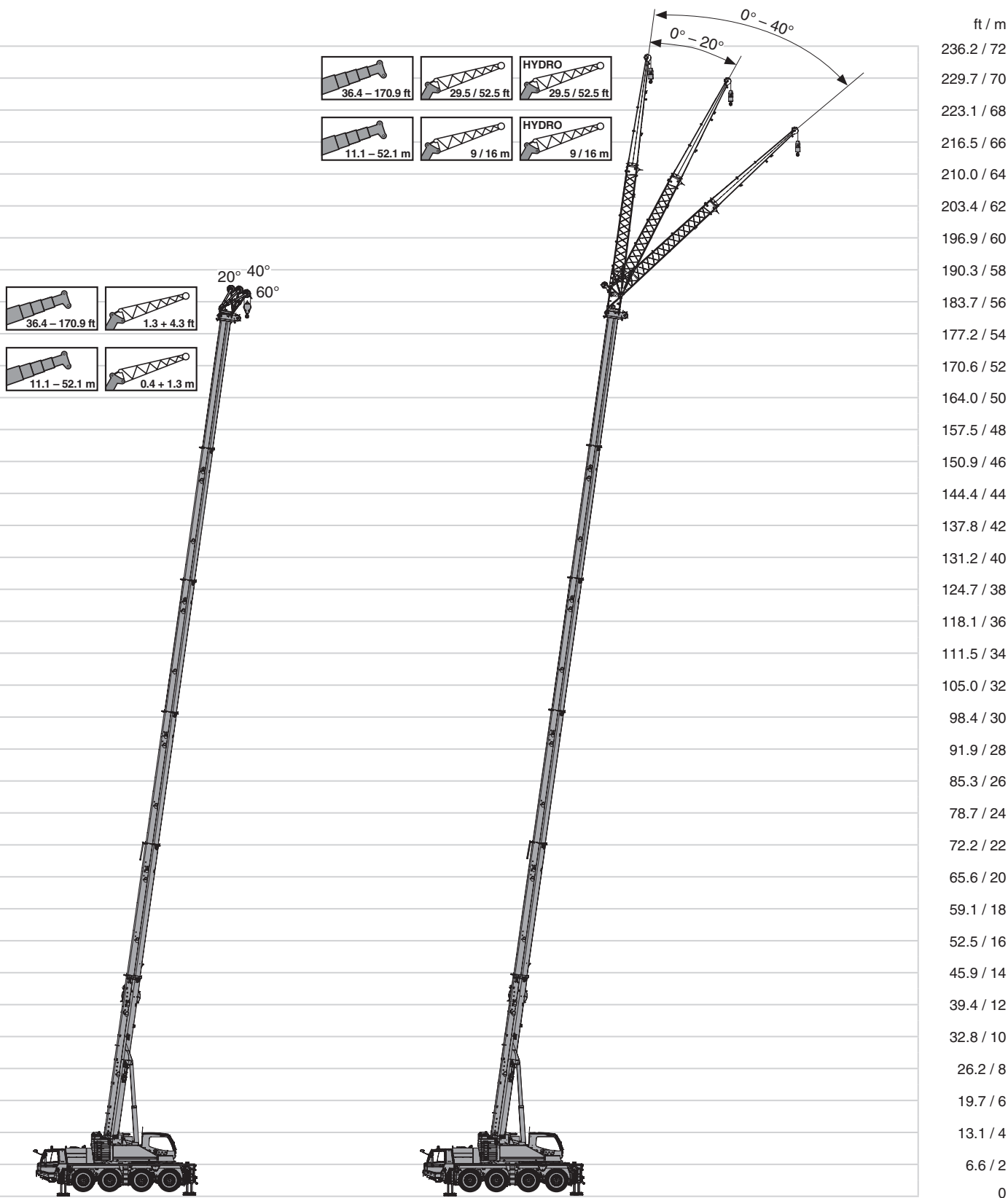
GENERAL TECHNICAL DATA

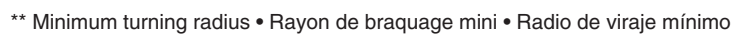
CARACTÉRISTIQUES TECHNIQUES GÉNÉRALES
DATOS TÉCNICOS GENERALES



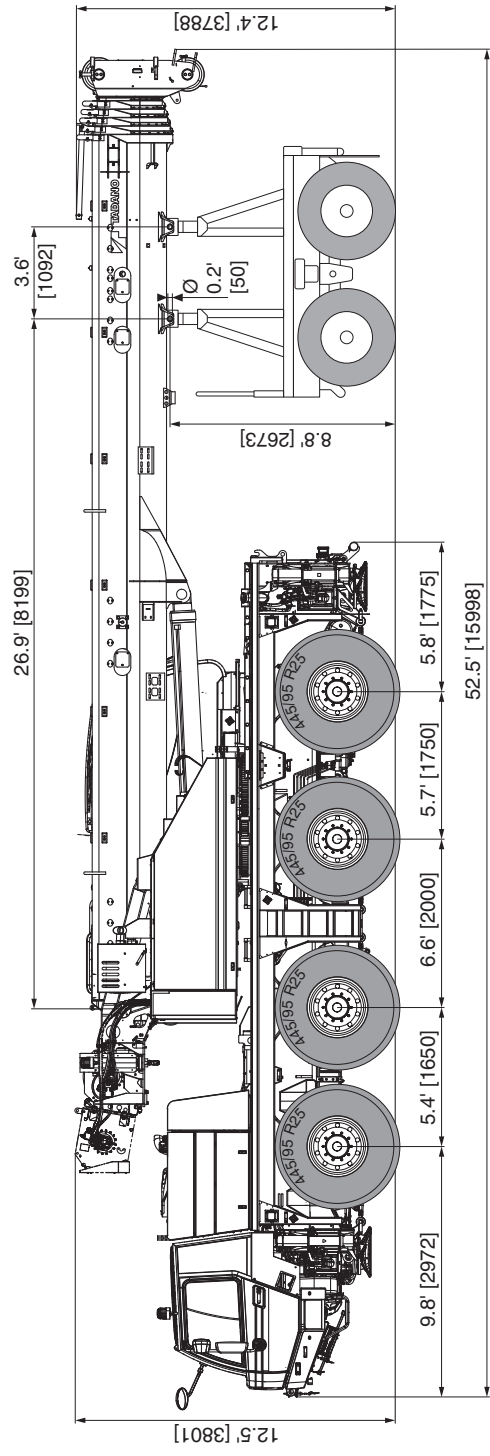
Boom systems · Systèmes de flèche · Sistema de pluma

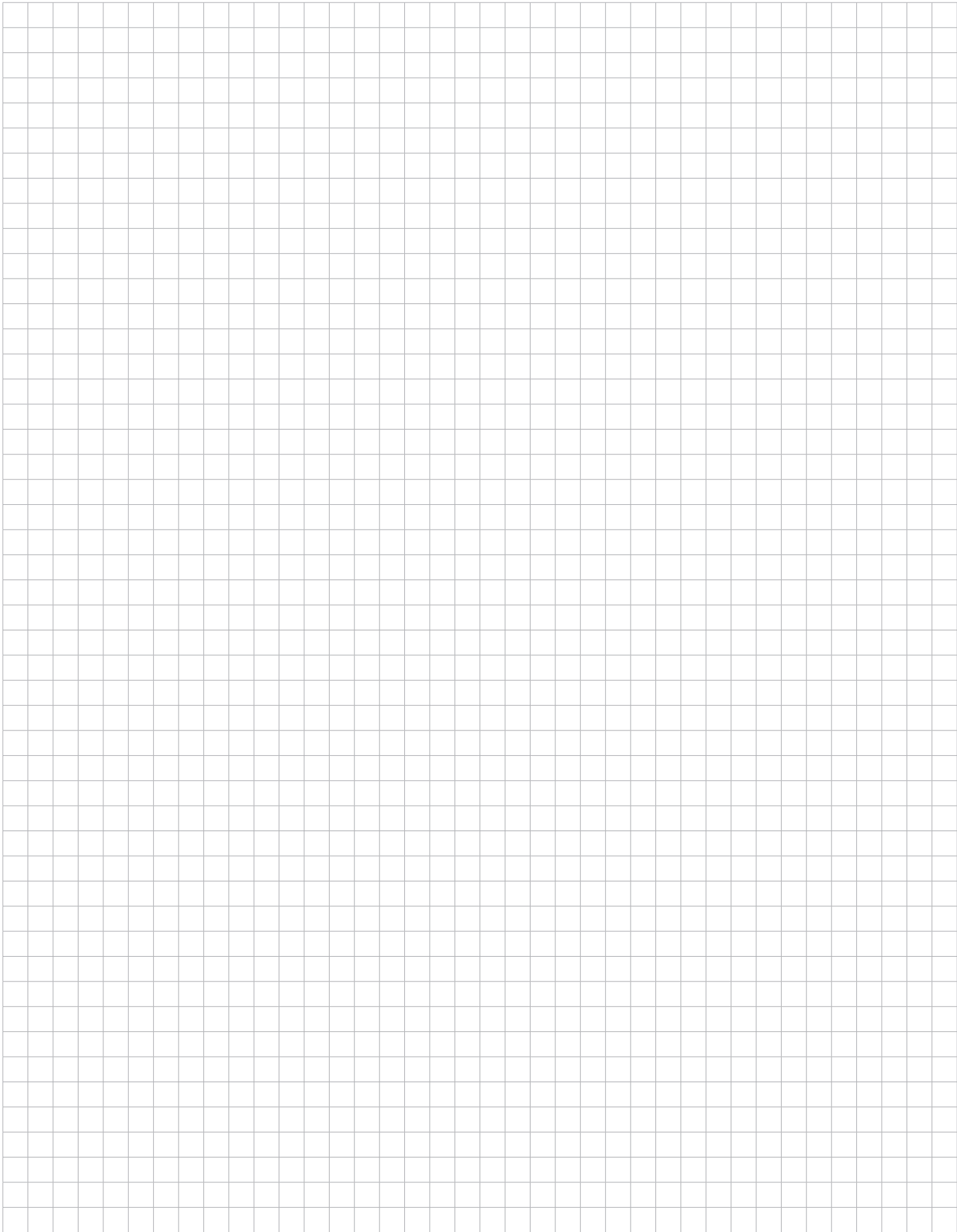






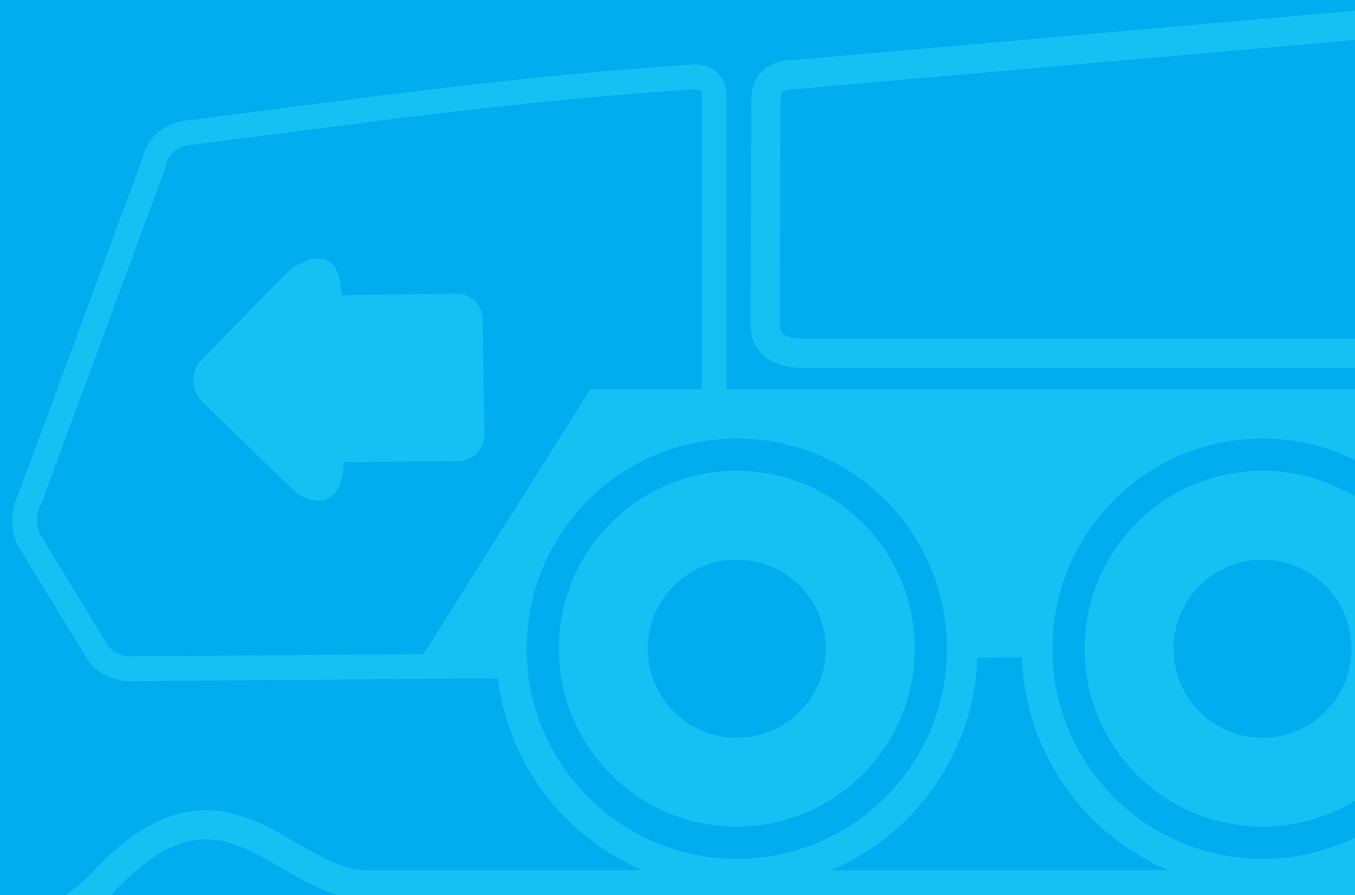
- 1) 445/95 R 25 (16.00 R25)
- 2) 525/80 R 25 (20.5 R25)





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
Total	1. Standard equipment + 2. Optional equipment + 3. Others	84,562/ 38357	25,217/ 11438	24,871/ 11281	17,322/ 7857	17,151/ 7780
1. Standard Equipment	See page 48; no counterweight	75,509/ 34250	22,279/ 10106	22,395/ 10158	15,548/ 7053	15,286/ 6934
2. Optional Equipment (selection)	Tyres 525/80R25 (20.50 R25) instead of 445/95R25 (16.00 R25)	1,074/ 487	259/ 117	258/ 117	278/ 126	279/ 129
	Drive 8x8 instead of drive 8x6	663/ 301	529/ 240	133/ 60	0/ 0	0/ 0
	Towing hook at rear, including couplings for lights and brake	78/ 35	-26/ -12	-28/ -13	65/ 30	66/ 30
	Toolbox at rear (without wood storage)	153/ 69	-56/ -26	-60/ -27	134/ 61	135/ 61
	Auxiliary winch including rope	1,713/ 777	-717/ -325	-755/ -343	1,588/ 720	1,598/ 725
	Hose drum for hydraulic jib (detachable)	406/ 184	408/ 185	410/ 186	-210/ -95	-202/ -92
	Hydraulic jib fixed on main boom (transport position)	3,053/ 1385	2,229/ 1011	2,226/ 1010	-726/ -329	-676/ -307
	Single top	113/ 51	144/ 65	145/ 66	-89/ -40	-87/ -39
	Hook block 6.6 US t / 6 t (in storage on carrier)	381/ 173	101/ 46	97/ 44	89/ 40	93/ 42
3. Others	Driver	225/ 102	217/ 99	218/ 99	-107/ -49	-103/ -47
	Fuel in carrier	815/ 370	-119/ -54	-133/ -60	530/ 241	537/ 244
	Fuel in superstructure	379/ 172	-30/ -14	-36/ -17	221/ 100	225/ 102
Additional weight information	Hook block 17.6 US t / 16 t (hanging at main boom)	421/ 191	458/ 208	460/ 209	-253/ -115	-244/ -111
	Hook block 35.3 US t / 32 t (hanging at main boom)	661/ 300	719/ 326	723/ 328	-397/ -180	-384/ -174
	Hook block 55.1 US t / 50 t (hanging at main boom)	1,036/ 470	1,127/ 511	1,133/ 514	-622/ -282	-601/ -273
	Hook block 69.4 US t / 63 t (hanging at main boom)	1,433/ 650	1,558/ 707	1,566/ 710	-859/ -390	-831/ -377
	Counterweight No. 1; 2,205 lbs / 1.0 t (on carrier)	2,259/ 1025	1,086/ 493	1,074/ 487	34/ 15	65/ 30
	2 x Counterweight No. 2; 2 x 5,071 lbs / 2 x 2.3 t (on carrier)	10,108/ 4585	4,860/ 2205	4,804/ 2179	150/ 68	292/ 133
	2 x Counterweight No. 3; 2 x 4,409 lbs / 2 x 2.0 t (on carrier)	8,767/ 3977	4,218/ 1913	4,170/ 1891	128/ 58	251/ 114
	Counterweight No. 4; 7,716 lbs / 3.5 t (on carrier)	7,647/ 3469	3,677/ 1668	3,635/ 1649	114/ 52	221/ 100
	Counterweight No. 5 + 2 x No. 6; 2,205 lbs + 2 x 1,764 lbs / 1.0 t + 2 x 0.8 t (on superstructure)	5,526/ 2507	-1,683/ -763	-1,793/ -813	4,483/ 2033	4,520/ 2050

Axle loads

Boom over rear, supported by dolly (28.7 ft / 8.75 m behind boom pivot point)		TOTAL					
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	1. Standard equipment + 2. Optional equipment + 3. Others	84,562/ 38357	21,375/ 9695	21,186/ 9610	13,251/ 6011	12,892/ 5848	15,858/ 7196
1. Standard Equipment	See page 48; no counterweight	75,509/ 34250	19,169/ 8695	19,412/ 8805	12,263/ 5562	11,849/ 5375	12,816/ 5813
2. Optional Equipment (selection)	Tyres 525/80R25 (20.50 R25) instead of 445/95R25 (16.00 R25)	1,074/ 487	259/ 117	258/ 117	278/ 126	279/ 126	0/ 0
	Drive 8x8 instead of drive 8x6	663/ 301	529/ 240	133/ 60	0/ 0	0/ 0	0/ 0
	Towing hook at rear, including couplings for lights and brake	78/ 35	-26/ -12	-28/ -13	65/ 30	66/ 30	0/ 0
	Toolbox at rear (without wood storage)	153/ 69	-56/ -26	-60/ -27	134/ 61	135/ 61	0/ 0
	Auxiliary winch including rope	1,713/ 777	994/ 451	988/ 448	-147/ -67	-122/ -55	0/ 0
	Hose drum for hydraulic jib (detachable)	406/ 184	-7/ -3	-7/ -3	-2/ -1	-2/ -1	424/ 192
	Hydraulic jib fixed on main boom (transport position)	3,053/ 1385	230/ 104	226/ 102	58/ 26	66/ 30	2,474/ 1122
	Single top	113/ 51	-12/ -5	-12/ -5	-3/ -1	-3/ -2	144/ 65
	Hook block 6.6 US t / 6 t (in storage on carrier)	381/ 173	101/ 46	97/ 44	89/ 40	93/ 42	0/ 0
3. Others	Driver	225/ 102	217/ 99	218/ 99	-107/ -49	-103/ -47	0/ 0
	Fuel in carrier	815/ 370	-119/ -54	-133/ -60	530/ 241	537/ 244	0/ 0
	Fuel in superstructure	379/ 172	97/ 44	93/ 42	93/ 42	97/ 44	0/ 0
Additional weight information	Hook block 17.6 US t / 16 t (hanging at main boom)	421/ 191	-45/ -20	-44/ -20	-11/ -5	-13/ -6	534/ 242
	Hook block 35.3 US t / 32 t (hanging at main boom)	661/ 300	-71/ -32	-69/ -31	-18/ -8	-20/ -9	839/ 381
	Hook block 55.1 US t / 50 t (hanging at main boom)	1,036/ 470	-111/ -50	-109/ -49	-28/ -13	-32/ -14	1,315/ 597
	Hook block 69.4 US t / 63 t (hanging at main boom)	1,433/ 650	-153/ -69	-150/ -68	-39/ -18	-44/ -20	1,819/ 825
	Counterweight No. 1; 2,205 lbs / 1.0 t (on carrier)	2,259/ 1025	1,086/ 493	1,074/ 487	34/ 15	65/ 30	0/ 0
	2 x Counterweight No. 2; 2 x 5,071 lbs / 2 x 2.3 t (on carrier)	10,108/ 4585	4,860/ 2205	4,804/ 2179	150/ 68	292/ 133	0/ 0
	2 x Counterweight No. 3; 2 x 4,409 lbs / 2 x 2.0 t (on carrier)	8,767/ 3977	4,218/ 1913	4,170/ 1891	128/ 58	251/ 114	0/ 0
	Counterweight No. 4; 7,716 lbs / 3.5 t (on carrier)	7,647/ 3469	3,677/ 1668	3,635/ 1649	114/ 52	221/ 100	0/ 0
	Counterweight No. 5 + 2 x No. 6; 2,205 lbs + 2 x 1,764 lbs / 1.0 t + 2 x 0.8 t (on superstructure)	5,526/ 2507	2,648/ 1201	2,617/ 1187	92/ 42	170/ 77	0/ 0

Charges par essieu

Flèche vers l'avant		TOTAL				
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	1. Équipement standard + 2. équipement spécial + 3. autres	84,562/ 38357	25,217/ 11438	24,871/ 11281	17,322/ 7857	17,151/ 7780
1. Équipement standard	Voir page 49; sans contrepoids	75,509/ 34250	22,279/ 10106	22,395/ 10158	15,548/ 7053	15,286/ 6934
2. Équipement spécial (sélection)	Pneus 525/80R25 (20.50 R25) au lieu de 445/95R25 (16.00 R25)	1,074/ 487	259/ 117	258/ 117	278/ 126	279/ 129
	Entraînement 8x8 au lieu de 8x6	663/ 301	529/ 240	133/ 60	0/ 0	0/ 0
	Crochet de remorquage pour chariot de transport, y compris accouplements pour éclairage et frein	78/ 35	-26/ -12	-28/ -13	65/ 30	66/ 30
	Boîte d'outillage à l'arrière de l'engin (sans boîte de rangement de bois)	153/ 69	-56/ -26	-60/ -27	134/ 61	135/ 61
	Treuil auxiliaire y compris câble métallique	1,713/ 777	-717/ -325	-755/ -343	1,588/ 720	1,598/ 725
	Tambour de flexible pour rallonge de flèche hydraulique (détachable)	406/ 184	408/ 185	410/ 186	-210/ -95	-202/ -92
	Rallonge de flèche hydraulique fixée sur flèche principale (position de transport)	3,053/ 1385	2,229/ 1011	2,226/ 1010	-726/ -329	-676/ -307
	Poulie simple	113/ 51	144/ 65	145/ 66	-89/ -40	-87/ -39
	Moufle 6.6 US t / 6 t (déposée sur le châssis)	381/ 173	101/ 46	97/ 44	89/ 40	93/ 42
3. Autres	Conducteur	225/ 102	217/ 99	218/ 99	-107/ -49	-103/ -47
	Carburant dans le châssis	815/ 370	-119/ -54	-133/ -60	530/ 241	537/ 244
	Carburant dans la superstructure	379/ 172	-30/ -14	-36/ -17	221/ 100	225/ 102
Poids supplémentaires	Moufle 17.6 US t / 16 t (suspendue sur la flèche principale)	421/ 191	458/ 208	460/ 209	-253/ -115	-244/ -111
	Moufle 35.3 US t / 32 t (suspendue sur la flèche principale)	661/ 300	719/ 326	723/ 328	-397/ -180	-384/ -174
	Moufle 55.1 US t / 50 t (suspendue sur la flèche principale)	1,036/ 470	1,127/ 511	1,133/ 514	-622/ -282	-601/ -273
	Moufle 69.4 US t / 63 t (suspendue sur la flèche principale)	1,433/ 650	1,558/ 707	1,566/ 710	-859/ -390	-831/ -377
	Contrepoids n° 1; 2,205 lbs / 1.0 t (sur châssis)	2,259/ 1025	1,086/ 493	1,074/ 487	34/ 15	65/ 30
	2 x Contrepoids n° 2; 2 x 5,071 lbs / 2 x 2.3 t (sur châssis)	10,108/ 4585	4,860/ 2205	4,804/ 2179	150/ 68	292/ 133
	2 x Contrepoids n° 3; 2 x 4,409 lbs / 2 x 2.0 t (sur châssis)	8,767/ 3977	4,218/ 1913	4,170/ 1891	128/ 58	251/ 114
	Contrepoids n° 4; 7,716 lbs / 3.5 t (sur châssis)	7,647/ 3469	3,677/ 1668	3,635/ 1649	114/ 52	221/ 100
	Contrepoids n° 5 + 2 x n° 6; 2,205 lbs + 2 x 1,764 lbs / 1.0 t + 2 x 0.8 t (sur superstructure)	5,526/ 2507	-1,683/ -763	-1,793/ -813	4,483/ 2033	4,520/ 2050

Charges par essieu

Flèche vers l'arrière, soutenue par chariot de transport "Dolly" (28.7 ft / 8.75 m derrière le point d'articulation de la flèche)		TOTAL					
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	1. Équipement standard + 2. équipement spécial + 3. autres	84,562/ 38357	21,375/ 9695	21,186/ 9610	13,251/ 6011	12,892/ 5848	15,858/ 7196
1. Équipement standard	Voir page 49; sans contrepoids	75,509/ 34250	19,169/ 8695	19,412/ 8805	12,263/ 5562	11,849/ 5375	12,816/ 5813
2. Équipement spécial (sélection)	Pneus 525/80R25 (20.50 R25) au lieu de 445/95R25 (16.00 R25)	1,074/ 487	259/ 117	258/ 117	278/ 126	279/ 126	0/ 0
	Entraînement 8x8 au lieu de 8x6	663/ 301	529/ 240	133/ 60	0/ 0	0/ 0	0/ 0
	Crochet de remorquage pour chariot de transport, y compris accouplements pour éclairage et frein	78/ 35	-26/ -12	-28/ -13	65/ 30	66/ 30	0/ 0
	Boîte d'outillage à l'arrière de l'engin (sans boîte de rangement de bois)	153/ 69	-56/ -26	-60/ -27	134/ 61	135/ 61	0/ 0
	Treuil auxiliaire y compris câble métallique	1,713/ 777	994/ 451	988/ 448	-147/ -67	-122/ -55	0/ 0
	Tambour de flexible pour rallonge de flèche hydraulique (détachable)	406/ 184	-7/ -3	-7/ -3	-2/ -1	-2/ -1	424/ 192
	Rallonge de flèche hydraulique fixée sur flèche principale (position de transport)	3,053/ 1385	230/ 104	226/ 102	58/ 26	66/ 30	2,474/ 1122
	Poulie simple	113/ 51	-12/ -5	-12/ -5	-3/ -1	-3/ -2	144/ 65
	Moufle 6.6 US t / 6 t (déposée sur le châssis)	381/ 173	101/ 46	97/ 44	89/ 40	93/ 42	0/ 0
3. Autres	Conducteur	225/ 102	217/ 99	218/ 99	-107/ -49	-103/ -47	0/ 0
	Carburant dans le châssis	815/ 370	-119/ -54	-133/ -60	530/ 241	537/ 244	0/ 0
	Carburant dans la superstructure	379/ 172	97/ 44	93/ 42	93/ 42	97/ 44	0/ 0
Poids supplémentaires	Moufle 17.6 US t / 16 t (suspendue sur la flèche principale)	421/ 191	-45/ -20	-44/ -20	-11/ -5	-13/ -6	534/ 242
	Moufle 35.3 US t / 32 t (suspendue sur la flèche principale)	661/ 300	-71/ -32	-69/ -31	-18/ -8	-20/ -9	839/ 381
	Moufle 55.1 US t / 50 t (suspendue sur la flèche principale)	1,036/ 470	-111/ -50	-109/ -49	-28/ -13	-32/ -14	1,315/ 597
	Moufle 69.4 US t / 63 t (suspendue sur la flèche principale)	1,433/ 650	-153/ -69	-150/ -68	-39/ -18	-44/ -20	1,819/ 825
	Contrepoids n° 1; 2,205 lbs / 1.0 t (sur châssis)	2,259/ 1025	1,086/ 493	1,074/ 487	34/ 15	65/ 30	0/ 0
	2 x Contrepoids n° 2; 2 x 5,071 lbs / 2 x 2.3 t (sur châssis)	10,108/ 4585	4,860/ 2205	4,804/ 2179	150/ 68	292/ 133	0/ 0
	2 x Contrepoids n° 3; 2 x 4,409 lbs / 2 x 2.0 t (sur châssis)	8,767/ 3977	4,218/ 1913	4,170/ 1891	128/ 58	251/ 114	0/ 0
	Contrepoids n° 4; 7,716 lbs / 3.5 t (sur châssis)	7,647/ 3469	3,677/ 1668	3,635/ 1649	114/ 52	221/ 100	0/ 0
	Contrepoids n° 5 + 2 x n° 6; 2,205 lbs + 2 x 1,764 lbs / 1.0 t + 2 x 0.8 t (sur superstructure)	5,526/ 2507	2,648/ 1201	2,617/ 1187	92/ 42	170/ 77	0/ 0

Cargas por eje

Pluma dirigida hacia delante		TOTAL				
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	1. Equipamiento estándar + 2. Equipamiento especial + 3. Otros	84,562/ 38357	25,217/ 11438	24,871/ 11281	17,322/ 7857	17,151/ 7780
1. Equipamiento estándar	Ver páginas 50; sin contrapeso	75,509/ 34250	22,279/ 10106	22,395/ 10158	15,548/ 7053	15,286/ 6934
2. Equipamiento especial (selección)	Neumáticos 525/80R25 (20.50 R25) en lugar de 445/95R25 (16.00 R25)	1,074/ 487	259/ 117	258/ 117	278/ 126	279/ 129
	Tracción 8x8 en lugar de 8x6	663/ 301	529/ 240	133/ 60	0/ 0	0/ 0
	Dispositivo de enganche para remolque, incluyendo los acoplamientos para iluminación y frenos	78/ 35	-26/ -12	-28/ -13	65/ 30	66/ 30
	Caja de herramientas en la parte trasera (sin caja para maderos)	153/ 69	-56/ -26	-60/ -27	134/ 61	135/ 61
	Torno auxiliar incluyendo el cable	1,713/ 777	-717/ -325	-755/ -343	1,588/ 720	1,598/ 725
	Tambor de manguera para alargamiento de pluma hidráulica (desmontable)	406/ 184	408/ 185	410/ 186	-210/ -95	-202/ -92
	Alargamiento de pluma hidráulica fijado sobre pluma principal (posición de transporte)	3,053/ 1385	2,229/ 1011	2,226/ 1010	-726/ -329	-676/ -307
	Rodillo antepuesto	113/ 51	144/ 65	145/ 66	-89/ -40	-87/ -39
	Motón 6.6 US t / 6 t (depositado en el chasis)	381/ 173	101/ 46	97/ 44	89/ 40	93/ 42
3. Otros	Conductor	225/ 102	217/ 99	218/ 99	-107/ -49	-103/ -47
	Combustible en el chasis	815/ 370	-119/ -54	-133/ -60	530/ 241	537/ 244
	Combustible en la superestructura	379/ 172	-30/ -14	-36/ -17	221/ 100	225/ 102
Pesos adicionales	Motón 17.6 US t / 16 t (suspendido desde la pluma principal)	421/ 191	458/ 208	460/ 209	-253/ -115	-244/ -111
	Motón 35.3 US t / 32 t (suspendido desde la pluma principal)	661/ 300	719/ 326	723/ 328	-397/ -180	-384/ -174
	Motón 55.1 US t / 50 t (suspendido desde la pluma principal)	1,036/ 470	1,127/ 511	1,133/ 514	-622/ -282	-601/ -273
	Motón 69.4 US t / 63 t (suspendido desde la pluma principal)	1,433/ 650	1,558/ 707	1,566/ 710	-859/ -390	-831/ -377
	Contrapeso N° 1; 2,205 lbs / 1.0 t (encima del chasis)	2,259/ 1025	1,086/ 493	1,074/ 487	34/ 15	65/ 30
	2 x Contrapeso N° 2; 2 x 5,071 lbs / 2 x 2.3 t (encima del chasis)	10,108/ 4585	4,860/ 2205	4,804/ 2179	150/ 68	292/ 133
	2 x Contrapeso N° 3; 2 x 4,409 lbs / 2 x 2.0 t (encima del chasis)	8,767/ 3977	4,218/ 1913	4,170/ 1891	128/ 58	251/ 114
	Contrapeso N° 4; 7,716 lbs / 3.5 t (encima del chasis)	7,647/ 3469	3,677/ 1668	3,635/ 1649	114/ 52	221/ 100
	Contrapeso N° 5 + 2 x N° 6; 2,205 lbs + 2 x 1,764 lbs / 1.0 t + 2 x 0.8 t (encima del superestructura)	5,526/ 2507	-1,683/ -763	-1,793/ -813	4,483/ 2033	4,520/ 2050

Pluma hacia atrás, apoyada por carro tipo dolly (28.7 ft / 8.75 m detrás punto de articulación de la pluma)		TOTAL					
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	1. Equipamiento estándar + 2. Equipamiento especial + 3. Otros	84,562/ 38357	21,375/ 9695	21,186/ 9610	13,251/ 6011	12,892/ 5848	15,858/ 7196
1. Equipamiento estándar	Ver páginas 50; sin contrapeso	75,509/ 34250	19,169/ 8695	19,412/ 8805	12,263/ 5562	11,849/ 5375	12,816/ 5813
2. Equipamiento especial (selección)	Neumáticos 525/80R25 (20.50 R25) en lugar de 445/95R25 (16.00 R25)	1,074/ 487	259/ 117	258/ 117	278/ 126	279/ 126	0/ 0
	Tracción 8x8 en lugar de 8x6	663/ 301	529/ 240	133/ 60	0/ 0	0/ 0	0/ 0
	Dispositivo de enganche para remolque, incluyendo los acoplamientos para iluminación y frenos	78/ 35	-26/ -12	-28/ -13	65/ 30	66/ 30	0/ 0
	Caja de herramientas en la parte trasera (sin caja para maderos)	153/ 69	-56/ -26	-60/ -27	134/ 61	135/ 61	0/ 0
	Torno auxiliar incluyendo el cable	1,713/ 777	994/ 451	988/ 448	-147/ -67	-122/ -55	0/ 0
	Tambor de manguera para alargamiento de pluma hidráulico (desmontable)	406/ 184	-7/ -3	-7/ -3	-2/ -1	-2/ -1	424/ 192
	Alargamiento de pluma hidráulica fijado sobre pluma principal (posición de transporte)	3,053/ 1385	230/ 104	226/ 102	58/ 26	66/ 30	2,474/ 1122
	Rodillo antepuesto	113/ 51	-12/ -5	-12/ -5	-3/ -1	-3/ -2	144/ 65
	Motón 6.6 US t / 6 t (depositado en el chasis)	381/ 173	101/ 46	97/ 44	89/ 40	93/ 42	0/ 0
3. Otros	Conductor	225/ 102	217/ 99	218/ 99	-107/ -49	-103/ -47	0/ 0
	Combustible en el chasis	815/ 370	-119/ -54	-133/ -60	530/ 241	537/ 244	0/ 0
	Combustible en la superestructura	379/ 172	97/ 44	93/ 42	93/ 42	97/ 44	0/ 0
Pesos adicionales	Motón 17.6 US t / 16 t (suspendido desde la pluma principal)	421/ 191	-45/ -20	-44/ -20	-11/ -5	-13/ -6	534/ 242
	Motón 35.3 US t / 32 t (suspendido desde la pluma principal)	661/ 300	-71/ -32	-69/ -31	-18/ -8	-20/ -9	839/ 381
	Motón 55.1 US t / 50 t (suspendido desde la pluma principal)	1,036/ 470	-111/ -50	-109/ -49	-28/ -13	-32/ -14	1,315/ 597
	Motón 69.4 US t / 63 t (suspendido desde la pluma principal)	1,433/ 650	-153/ -69	-150/ -68	-39/ -18	-44/ -20	1,819/ 825
	Contrapeso N° 1; 2,205 lbs / 1.0 t (encima del chasis)	2,259/ 1025	1,086/ 493	1,074/ 487	34/ 15	65/ 30	0/ 0
	2 x Contrapeso N° 2; 2 x 5,071 lbs / 2 x 2.3 t (encima del chasis)	10,108/ 4585	4,860/ 2205	4,804/ 2179	150/ 68	292/ 133	0/ 0
	2 x Contrapeso N° 3; 2 x 4,409 lbs / 2 x 2.0 t (encima del chasis)	8,767/ 3977	4,218/ 1913	4,170/ 1891	128/ 58	251/ 114	0/ 0
	Contrapeso N° 4; 7,716 lbs / 3.5 t (encima del chasis)	7,647/ 3469	3,677/ 1668	3,635/ 1649	114/ 52	221/ 100	0/ 0
	Contrapeso N° 5 + 2 x N° 6; 2,205 lbs + 2 x 1,764 lbs / 1.0 t + 2 x 0.8 t (encima del superestructura)	5,526/ 2507	2,648/ 1201	2,617/ 1187	92/ 42	170/ 77	0/ 0

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.	31.0 mph max. 50 km/h max.	30 %	65 %

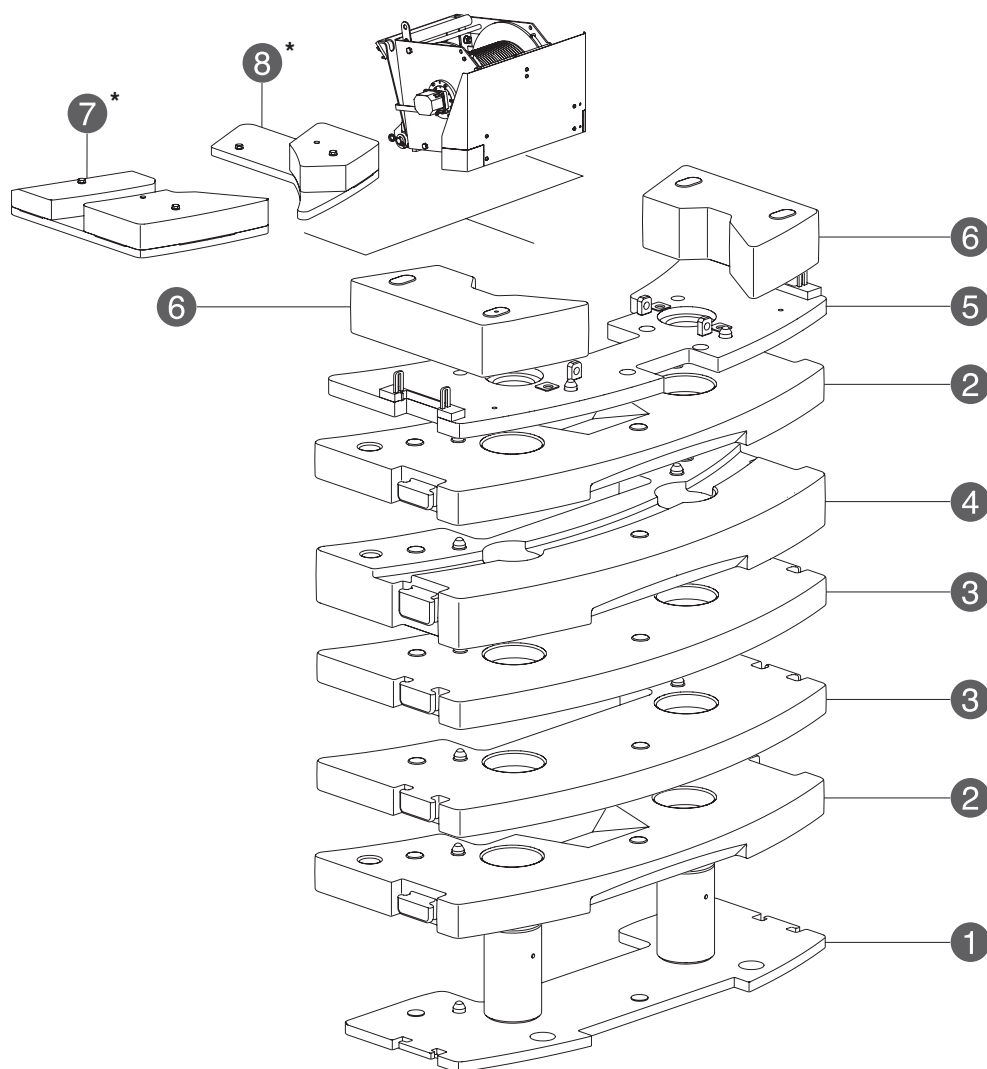
Steering · Direction · Dirección

		$v < 15.5 \text{ mph}$ $v < 25 \text{ km/h}$
		$15.5 \text{ mph} \leq v \leq 24.9 \text{ mph}$ $25 \text{ km/h} \leq v \leq 40 \text{ km/h}$
		$v > 24.9 \text{ mph}$ $v > 40 \text{ km/h}$
		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

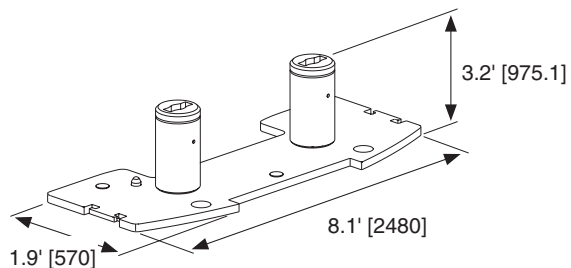




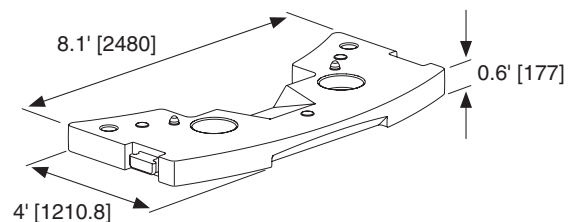
		7,496 lbs	9,700 lbs	11,905 lbs	15,212 lbs	19,180 lbs	22,487 lbs	24,251 lbs	26,896 lbs	31,967 lbs	36,376 lbs
		3.4 t	4.4 t	5.4 t	6.9 t	8.7 t	10.2 t	11.0 t	12.2 t	14.5 t	16.5 t
①	2,205 lbs 1.0 t	-	1	-	-	1	1	1	1	1	1
②	5,071 lbs 2.3 t	-	-	-	-	1	1	2	1	2	2
③	4,409 lbs 2.0 t	-	-	1	-	1	-	1	1	1	2
④	7,716 lbs 3.5 t	-	-	-	1	-	1	-	1	1	1
⑤	2,205 lbs 1.0 t	1	1	1	1	1	1	1	1	1	1
⑥	1,764 lbs 0.8 t	2	2	2	2	2	2	2	2	2	2
⑦*	1,102 lbs 0.5 t	1	1	1	1	1	1	1	1	1	1
⑧*	661 lbs 0.3 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 2° cabrestante

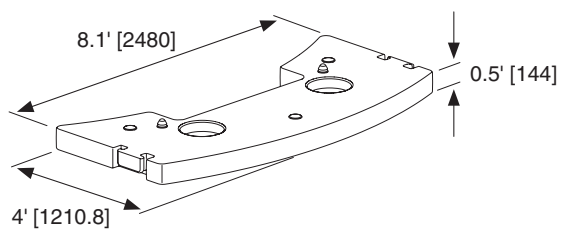
1



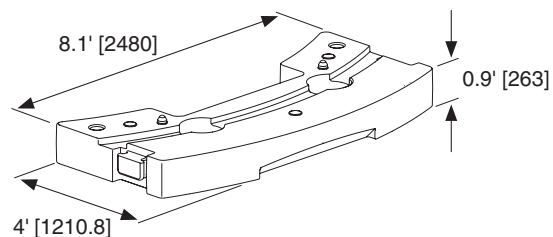
2



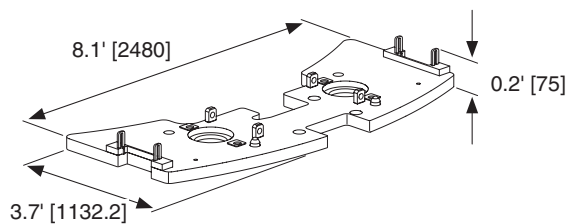
3



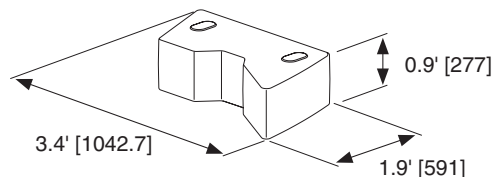
4



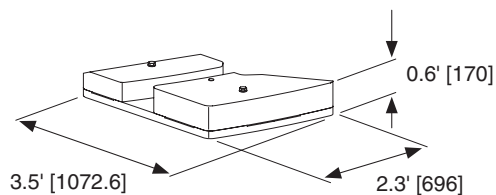
5



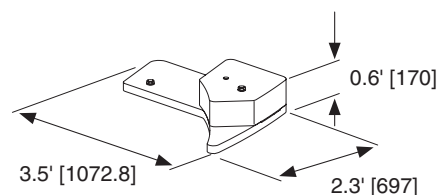
6



7*

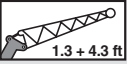
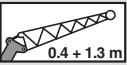
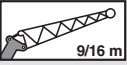


8*



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

Jibs · Fléchettes · Plumines

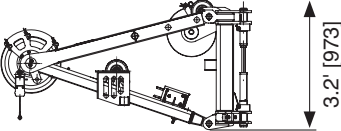
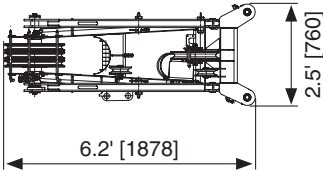
	ft	m	
 1.3 + 4.3 ft  0.4 + 1.3 m	1.3 ft + 4.3 ft	0.4 m + 1.3 m	1
 29.5/52.5 ft  HYDRO 29.5/52.5 ft	3.3 ft + 26.2 ft	1 m + 8 m	2
 9/16 m  HYDRO 9/16 m	3.3 ft + 49.2 ft	1 m + 15 m	2 + 3

1

lbs

kg

728
330

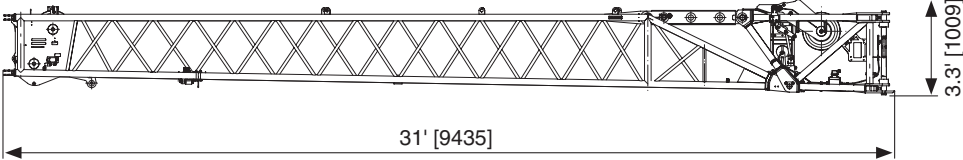
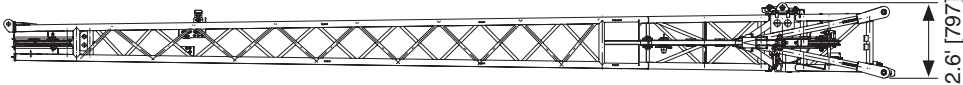



2

lbs

kg

2,072
940

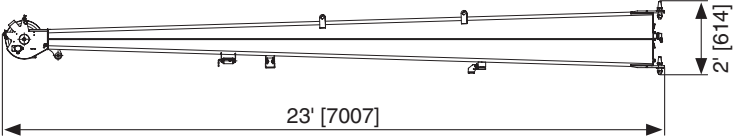
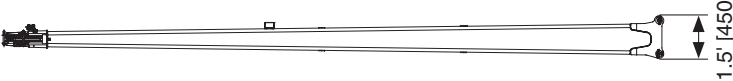



3

lbs

kg

794
360

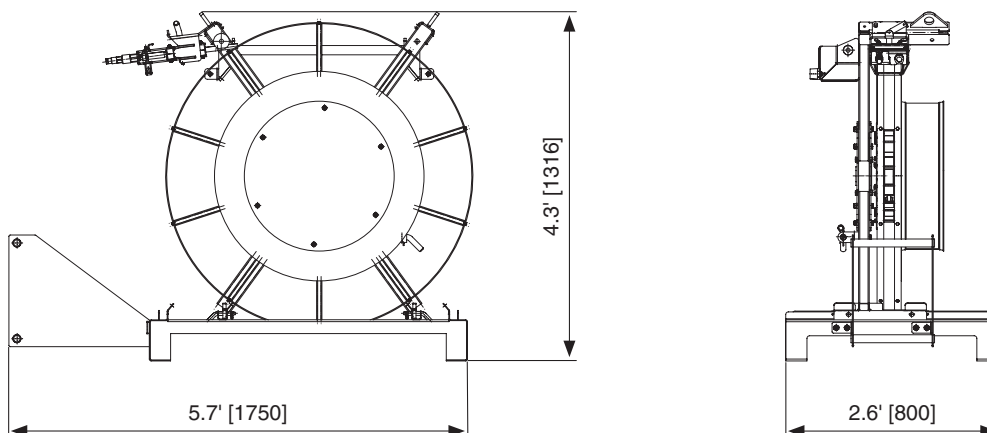
Hose drum for hydraulic jib · Tambour de flexible pour fléchette hydraulique · Devanadera para plumín hidráulico



617



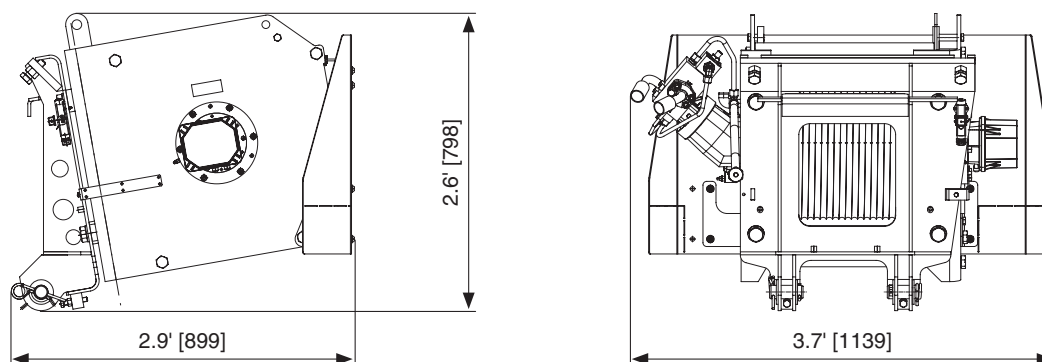
280



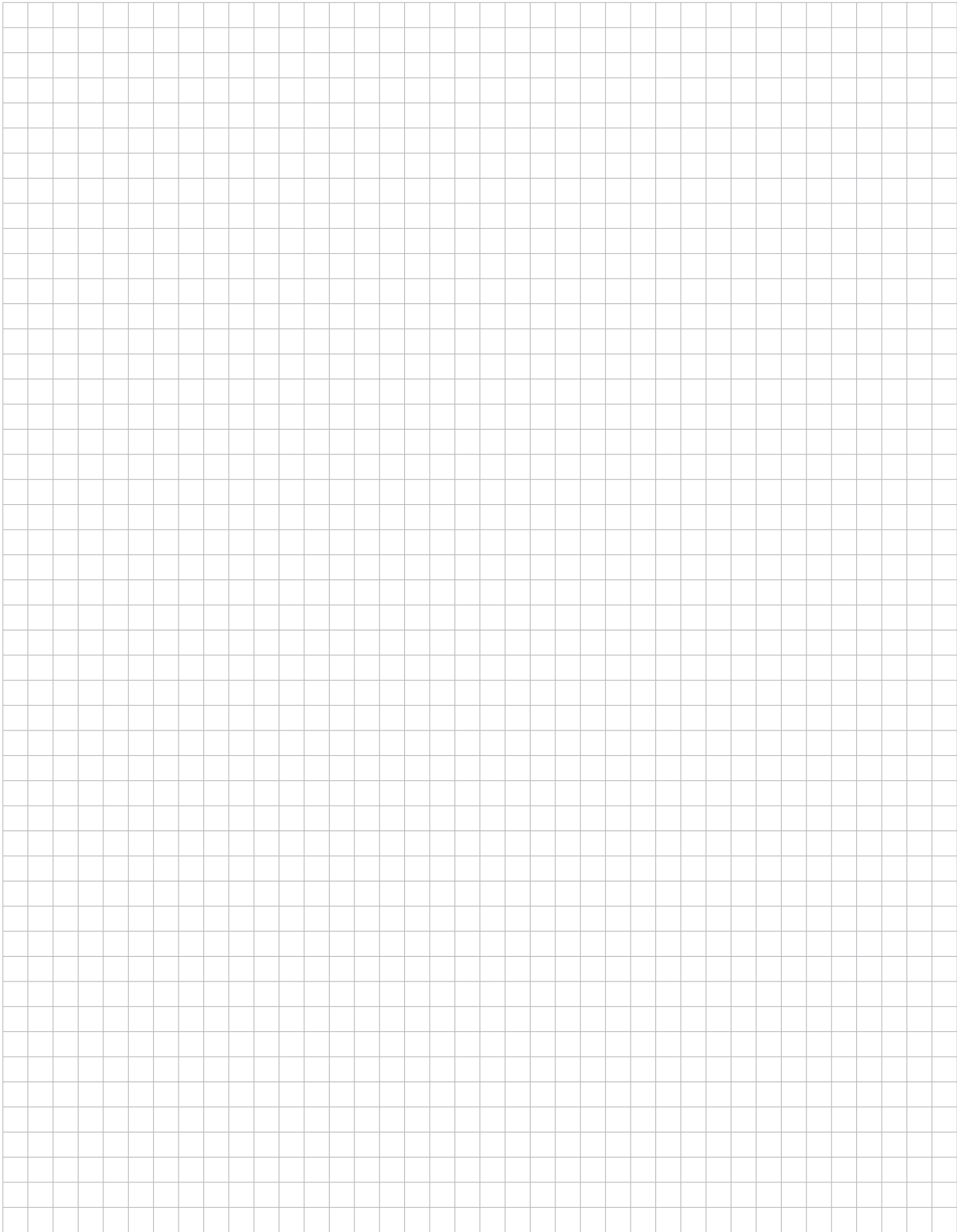
Auxiliary winch · Treuil supplémentaire · Cabrestante auxiliar



1,038/ 471/
1,627* 738*



* 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°	~ 33 s
	36.4 ft – 170.9 ft 11.1 m – 52.1 m	~ 500 s

Swing mechanism · Groupe de rotation · Mecanismo de giro

	0 – 2 min ⁻¹		0° / 180°
---	-------------------------	---	-----------

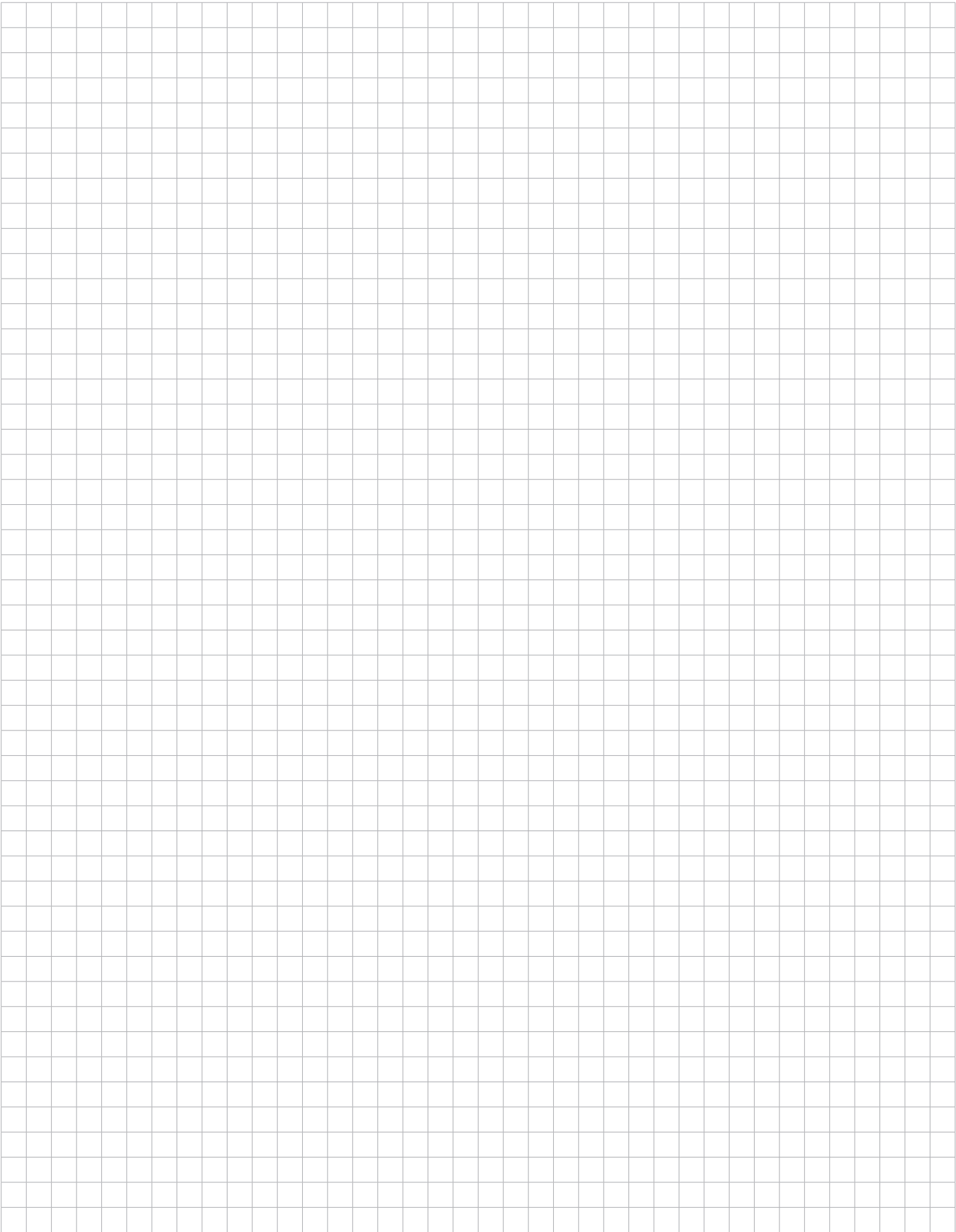
Winches · Treuils · Cabrestantes

			
	0 – 427 ft/min 0 – 130 m/min	0.63 in / 689.0 ft 16 mm / 210 m	9,892 lbs / 44 kN
	0 – 427 ft/min 0 – 130 m/min	0.63 in / 689.0 ft 16 mm / 210 m	9,892 lbs / 44 kN

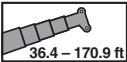
Hook blocks · Moufles · Pastecas de carga

				
88.2 US t* / 80 t*	154,324 / 70	9	19	1,874 / 850
69.4 US t* / 63 t*	140,875 / 63.9	7	15	1,433 / 650
55.1 US t* / 50 t*	104,499 / 47.4	5	11	1,047 / 475
35.3 US t* / 32 t*	67,241 / 30.5	3	7	661 / 300
35.3 US t / 32 t	67,241 / 30.5	3	7	661 / 300
17.6 US t / 16 t	29,101 / 13.2	1	3	419 / 190
6.6 US t / 6 t	9,921 / 4.5	-	1	386 / 175

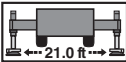
* Twin hook · Moufle avec crochet marin · Gancho doble



Working range · Rayon de travail · Zona de trabajo



36.4 – 170.9 ft



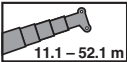
21.0 ft



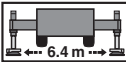
360°

36,376 lbs

ASME



11.1 – 52.1 m



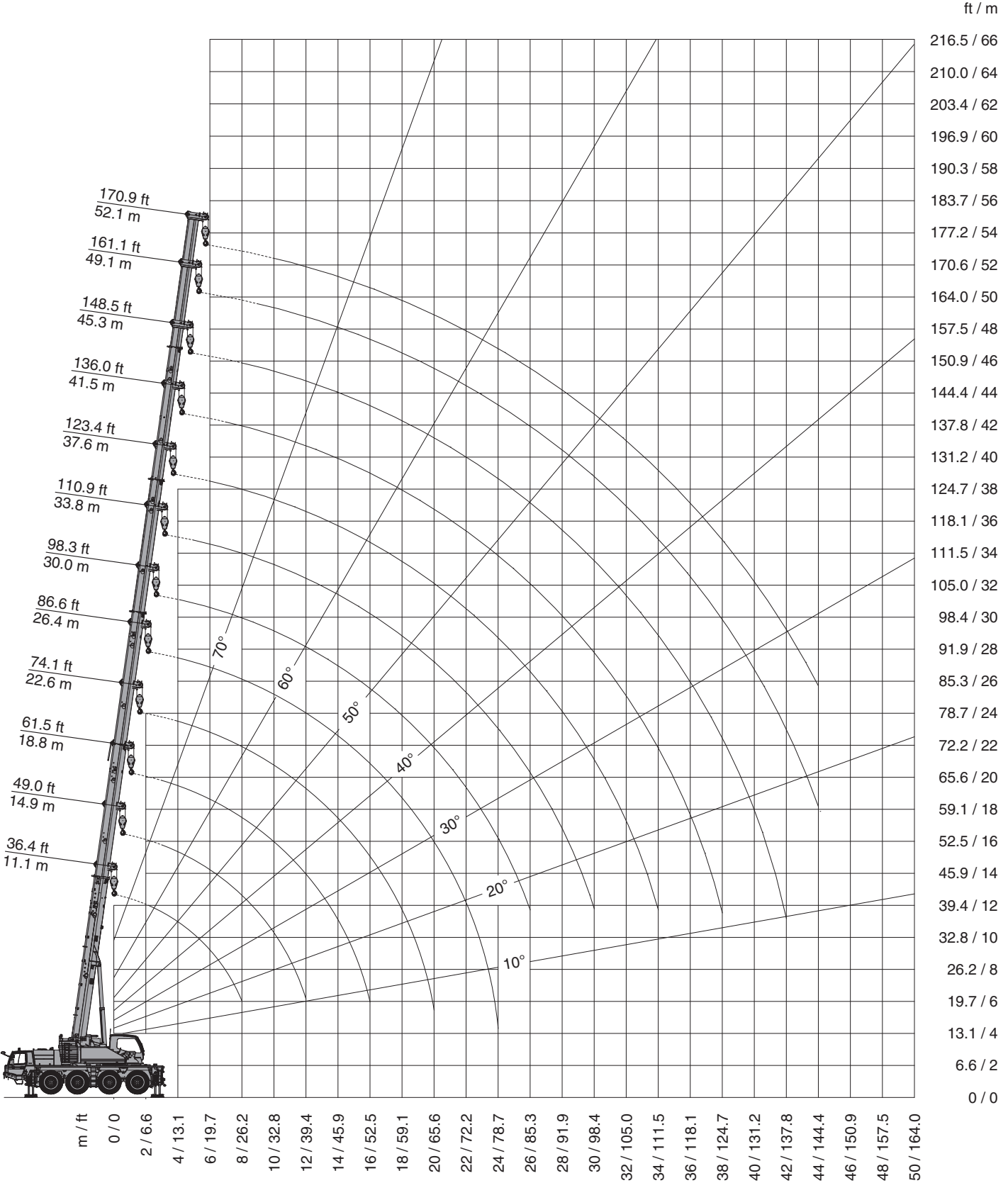
6.4 m

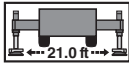
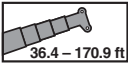


360°

16.5 t

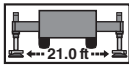
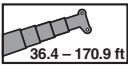
ASME



**36,376 lbs****ASME**

lbs x 1,000

 ft	36.4 ft*	36.4 ft	49.0 ft	61.5 ft	74.1 ft	86.6 ft	98.3 ft	110.9 ft	123.4 ft	136.0 ft	148.5 ft	161.1 ft	170.9 ft
8.2	154.3**	127.2**											
9.8	130.7**	115.7**	111.1	108.0									
11.5	119.9**	106.3	101.9	98.8	88.0								
13.1	110.7	97.9	93.9	91.1	88.0	67.9							
14.8	97.4	90.6	87.3	84.4	82.5	63.3	52.7						
16.4	87.1	82.5	82.0	78.7	76.9	59.3	52.7	38.8					
19.7	71.2	69.0	69.4	68.8	68.1	57.8	50.3	41.0	31.3				
23.0	60.0	59.1	59.3	58.6	59.3	57.3	45.9	41.0	31.3	23.4			
26.2	51.6	50.9	51.4	50.7	51.4	51.8	45.0	38.8	31.3	23.4	18.3		
29.5			45.4	44.1	44.8	45.2	41.9	36.2	31.3	23.4	18.3	15.0	
32.8			40.1	38.8	40.6	39.9	39.2	33.3	29.3	23.4	18.3	15.0	12.8
39.4			31.7	32.6	32.4	32.4	32.6	28.4	25.8	23.4	18.3	15.0	12.8
45.9				25.1	25.8	26.0	25.4	24.5	22.9	20.9	18.3	15.0	12.8
52.5				19.8	21.2	20.9	20.1	19.6	20.1	18.7	17.4	15.0	12.8
59.1					17.4	17.0	16.8	17.2	16.3	16.3	15.7	14.6	12.8
65.6					14.1	14.1	15.0	14.3	13.7	13.4	13.9	13.2	12.6
72.2						13.0	12.6	11.9	12.3	12.1	11.5	11.7	11.7
78.7						8.4	10.8	10.8	10.6	10.4	10.4	9.7	9.9
85.3							9.3	9.7	9.0	8.8	8.8	8.2	8.4
91.9								8.4	8.4	7.9	7.5	7.1	7.1
98.4								7.3	7.3	6.8	6.4	6.0	6.0
105.0									6.2	6.0	5.5	4.9	5.1
111.5									5.5	5.1	4.9	4.2	4.2
118.1										4.4	4.0	3.5	3.5
124.7										3.7	3.3	2.9	2.9
131.2											2.9	2.2	2.2
137.8											2.4	1.8	1.8
144.4												1.3	1.3

**31,967 lbs****ASME**

lbs x 1,000

 ft	36.4 ft*	36.4 ft	49.0 ft	61.5 ft	74.1 ft	86.6 ft	98.3 ft	110.9 ft	123.4 ft	136.0 ft	148.5 ft	161.1 ft	170.9 ft
8.2	154.3**	127.2**											
9.8	130.7**	115.7**	111.1	108.0									
11.5	119.9**	106.2	101.8	98.7	87.9								
13.1	107.1	97.8	93.9	91.0	87.9	67.9							
14.8	94.3	89.2	87.3	84.4	82.4	63.2	52.6						
16.4	83.9	81.1	81.3	78.7	76.9	59.3	52.6	38.8					
19.7	68.5	67.9	68.1	67.4	68.1	57.7	50.2	41.0	31.3				
23.0	57.5	57.7	58.2	57.5	58.2	57.3	45.8	41.0	31.3	23.3			
26.2	49.1	49.8	50.0	49.3	50.0	50.7	44.9	38.8	31.3	23.3	18.2		
29.5			44.3	42.9	44.7	44.0	41.8	36.1	31.3	23.3	18.2	14.9	
32.8			39.0	38.3	39.4	39.0	38.8	33.2	29.3	23.3	18.2	14.9	12.7
39.4			29.5	30.2	29.9	31.3	30.2	28.2	25.7	23.3	18.2	14.9	12.7
45.9				24.2	24.4	24.0	23.3	22.4	22.7	20.9	18.2	14.9	12.7
52.5				19.1	19.4	19.1	18.5	19.4	18.5	18.2	17.4	14.9	12.7
59.1					15.8	15.6	16.5	15.8	14.9	14.9	15.4	14.5	12.7
65.6					12.7	13.8	13.6	13.0	13.4	13.2	12.5	12.7	12.5
72.2						11.9	11.4	11.6	11.2	11.0	11.2	10.5	10.5
78.7						7.4	9.7	10.1	9.7	9.7	9.4	8.8	8.8
85.3							9.0	8.5	8.5	8.1	7.9	7.2	7.2
91.9								7.4	7.4	7.0	6.8	6.1	6.1
98.4								6.6	6.3	5.9	5.7	5.0	5.0
105.0									5.5	5.0	4.8	4.1	4.1
111.5									4.8	4.4	3.9	3.5	3.5
118.1										3.7	3.3	2.8	2.8
124.7										3.0	2.8	2.2	2.2
131.2											2.2	1.7	1.7
137.8											1.7	1.1	1.3

* Over rear · A l'arrière · Hacia atrás

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

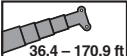




26,896 lbs
ASME

lbs x 1,000

 ft	36.4 ft*	36.4 ft	49.0 ft	61.5 ft	74.1 ft	86.6 ft	98.3 ft	110.9 ft	123.4 ft	136.0 ft	148.5 ft	161.1 ft	170.9 ft
8.2	154.3**	127.2**											
9.8	130.7**	115.7**	111.1	108.0									
11.5	119.9**	106.3	101.9	98.8	88.0								
13.1	105.2	97.2	93.9	91.1	88.0	67.9							
14.8	92.8	87.5	87.3	84.4	82.5	63.3	52.7						
16.4	82.9	79.4	79.8	78.7	76.9	59.3	52.7	38.8					
19.7	67.7	66.4	66.8	65.9	66.8	57.8	50.3	41.0	31.3				
23.0	56.9	56.4	56.7	56.0	56.9	57.3	45.9	41.0	31.3	23.4			
26.2	48.9	48.3	49.4	48.1	48.7	48.5	45.0	38.8	31.3	23.4	18.3		
29.5			43.0	41.7	43.4	41.2	40.8	36.2	31.3	23.4	18.3	15.0	
32.8			37.0	37.9	37.7	36.8	35.5	33.1	29.3	23.4	18.3	15.0	12.8
39.4			26.7	27.6	28.9	28.7	27.6	25.6	25.1	23.4	18.3	15.0	12.8
45.9				21.8	22.3	21.8	21.2	21.6	20.7	20.1	18.3	15.0	12.8
52.5				17.4	17.6	17.2	18.1	17.4	16.5	16.5	16.5	15.0	12.8
59.1					14.3	15.2	14.8	14.1	14.6	14.3	13.9	13.4	12.8
65.6					12.3	12.6	12.1	12.6	11.9	11.9	11.9	11.2	11.2
72.2						10.6	10.6	10.6	10.6	10.1	9.9	9.3	9.3
78.7						6.2	9.3	9.0	9.0	8.6	8.2	7.7	7.7
85.3							7.9	7.7	7.5	7.3	6.8	6.2	6.4
91.9								6.6	6.4	6.2	5.7	5.1	5.1
98.4								5.5	5.5	5.1	4.9	4.2	4.2
105.0									4.6	4.2	4.0	3.3	3.3
111.5									4.0	3.5	3.3	2.6	2.6
118.1										2.9	2.6	2.0	2.0
124.7										2.4	2.2	1.5	1.5
131.2											1.5	1.1	
137.8											1.1		





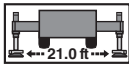
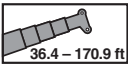
24,251 lbs
ASME

lbs x 1,000

 ft	36.4 ft*	36.4 ft	49.0 ft	61.5 ft	74.1 ft	86.6 ft	98.3 ft	110.9 ft	123.4 ft	136.0 ft	148.5 ft	161.1 ft	170.9 ft
8.2	154.3**	127.2**											
9.8	130.7**	115.7**	111.1	108.0									
11.5	119.5**	106.3	101.9	98.8	88.0								
13.1	103.8	96.3	93.9	91.1	88.0	67.9							
14.8	91.5	86.6	87.1	84.4	82.5	63.3	52.7						
16.4	81.6	78.5	78.9	78.3	76.9	59.3	52.7	38.8					
19.7	66.8	65.5	65.9	65.3	65.9	57.8	50.3	41.0	31.3				
23.0	56.2	55.6	56.0	55.3	56.0	55.3	45.9	41.0	31.3	23.4			
26.2	48.1	47.6	48.5	47.2	48.7	46.3	45.0	38.8	31.3	23.4	18.3		
29.5			42.3	41.2	42.1	39.5	39.0	36.2	31.3	23.4	18.3	15.0	
32.8			35.3	36.2	35.9	36.2	33.7	31.3	29.3	23.4	18.3	15.0	12.8
39.4			26.0	27.1	27.6	27.1	26.2	24.3	24.5	23.4	18.3	15.0	12.8
45.9				20.7	20.9	20.7	20.1	20.9	19.6	19.0	18.3	15.0	12.8
52.5				16.3	16.5	16.5	17.2	16.5	16.1	16.5	15.4	15.0	12.8
59.1					13.4	14.3	13.9	13.7	13.7	13.4	13.7	12.8	12.6
65.6					11.9	11.9	11.5	11.9	11.5	11.5	11.2	10.6	10.4
72.2						9.9	10.4	9.9	9.9	9.5	9.3	8.6	8.6
78.7						5.7	8.6	8.4	8.4	7.9	7.7	7.1	7.1
85.3							7.5	7.1	7.1	6.6	6.4	5.7	5.7
91.9								6.0	6.0	5.5	5.3	4.6	4.6
98.4								5.1	5.1	4.6	4.4	3.7	3.7
105.0									4.2	3.7	3.5	2.9	2.9
111.5									3.5	3.1	2.9	2.2	2.2
118.1										2.6	2.2	1.8	1.8
124.7										2.0	1.8	1.1	
131.2											1.3		

* Over rear · A l'arrière · Hacia atrás

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

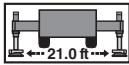
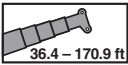


22,487 lbs

ASME

lbs x 1,000

36.4 ft*	36.4 ft	49.0 ft	61.5 ft	74.1 ft	86.6 ft	98.3 ft	110.9 ft	123.4 ft	136.0 ft	148.5 ft	161.1 ft	170.9 ft
8.2	154.3**	127.2**										
9.8	130.7**	115.7**	111.1	108.0								
11.5	118.4**	106.3	101.9	98.8	88.0							
13.1	102.7	95.7	93.9	91.1	88.0	67.9						
14.8	90.6	86.2	86.4	84.4	82.5	63.3	52.7					
16.4	80.9	78.0	78.3	77.6	76.9	59.3	52.7	38.8				
19.7	66.1	65.0	65.3	64.6	65.5	57.8	50.3	41.0	31.3			
23.0	55.6	55.1	55.3	54.7	55.3	53.8	45.9	41.0	31.3	23.4		
26.2	47.6	47.2	48.1	46.7	48.1	44.8	44.1	38.8	31.3	23.4	18.3	
29.5			41.4	41.2	40.6	39.5	37.7	34.8	31.3	23.4	18.3	15.0
32.8			34.0	34.8	34.6	34.8	32.6	30.2	29.1	23.4	18.3	15.0
39.4			24.9	26.2	26.5	26.2	25.1	24.0	23.6	22.7	18.3	15.0
45.9				20.1	20.3	19.8	20.1	20.1	18.7	18.5	17.6	15.0
52.5				15.7	15.9	16.5	16.5	15.9	16.1	16.1	15.4	14.6
59.1						13.2	13.7	13.4	13.7	13.0	13.0	12.1
65.6						11.5	11.5	11.5	11.5	11.0	10.6	9.9
72.2						9.5	9.7	9.5	9.5	9.0	8.8	8.2
78.7						5.3	8.4	7.9	7.9	7.5	7.3	6.6
85.3							7.1	6.8	6.6	6.2	6.0	5.3
91.9								5.7	5.7	5.3	4.9	4.4
98.4								4.9	4.6	4.4	4.0	3.3
105.0									4.0	3.5	3.3	2.6
111.5									3.3	2.9	2.6	2.0
118.1										2.2	2.0	1.3
124.7										1.8	1.5	
131.2											1.1	



19,180 lbs

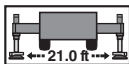
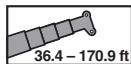
ASME

lbs x 1,000

36.4 ft*	36.4 ft	49.0 ft	61.5 ft	74.1 ft	86.6 ft	98.3 ft	110.9 ft	123.4 ft	136.0 ft	148.5 ft	161.1 ft	170.9 ft
8.2	154.3**	127.2**										
9.8	130.7**	115.7**	111.1	108.0								
11.5	116.2**	106.0	101.9	98.8	88.0							
13.1	101.0	94.6	93.9	91.1	88.0	67.9						
14.8	88.8	84.9	85.3	84.4	82.5	63.3	52.7					
16.4	79.4	76.7	77.2	76.5	76.7	59.3	52.7	38.8				
19.7	64.8	63.9	64.4	63.5	64.4	57.8	50.3	41.0	31.3			
23.0	54.5	54.0	54.2	53.6	53.1	50.5	45.9	41.0	31.3	23.4		
26.2	46.7	46.1	47.2	45.0	45.2	42.5	41.4	38.4	31.3	23.4	18.3	
29.5			38.8	39.7	38.1	37.9	35.3	32.6	31.3	23.4	18.3	15.0
32.8			31.7	32.6	33.3	32.6	30.4	28.2	27.8	23.4	18.3	15.0
39.4			23.1	24.5	24.7	24.5	23.4	23.6	21.8	20.9	18.3	15.0
45.9				18.5	18.7	18.5	19.4	18.7	17.9	18.1	16.8	15.0
52.5				14.6	14.8	15.7	15.2	15.2	15.0	14.8	14.6	13.4
59.1					12.8	12.8	12.6	12.8	12.8	12.3	11.9	11.0
65.6					10.4	10.4	10.8	10.4	10.4	10.1	9.7	9.0
72.2						8.6	9.0	8.6	8.6	8.2	7.9	7.3
78.7						4.4	7.5	7.3	7.3	6.8	6.4	6.0
85.3							6.4	6.0	6.0	5.5	5.3	4.6
91.9								5.1	5.1	4.6	4.2	3.7
98.4								4.2	4.2	3.7	3.5	2.9
105.0									3.5	3.1	2.6	2.2
111.5									2.9	2.4	2.0	1.5
118.1										1.8	1.5	
124.7										1.3	1.1	

* Over rear · A l'arrière · Hacia atrás

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

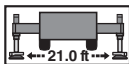
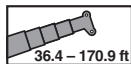


15,212 lbs

ASME

lbs x 1,000

	36.4 ft*	36.4 ft	49.0 ft	61.5 ft	74.1 ft	86.6 ft	98.3 ft	110.9 ft	123.4 ft	136.0 ft	148.5 ft	161.1 ft	170.9 ft
8.2	154.3**	127.2**											
9.8	130.7**	115.7**	111.1	108.0									
11.5	113.8**	104.5	101.9	98.8	88.0								
13.1	98.5	93.0	92.6	91.1	88.0	67.9							
14.8	86.9	83.3	83.8	83.1	82.5	63.3	52.7						
16.4	77.4	75.4	75.8	75.0	75.8	59.3	52.7	38.8					
19.7	63.3	62.6	63.1	62.2	61.1	57.8	50.3	41.0	31.3				
23.0	53.1	52.7	53.6	50.7	50.5	46.5	45.6	41.0	31.3	23.4			
26.2	44.3	43.0	44.5	44.1	41.4	41.0	37.9	35.1	31.3	23.4	18.3		
29.5			35.5	36.2	36.2	34.8	32.2	29.8	28.4	23.4	18.3	15.0	
32.8			29.1	31.1	31.3	30.0	27.8	26.7	25.6	23.4	18.3	15.0	12.8
39.4			20.9	22.3	22.5	22.3	22.5	21.6	20.1	19.4	18.3	15.0	12.8
45.9				16.8	17.0	18.1	17.6	17.0	17.2	16.5	15.9	14.8	12.8
52.5				13.0	14.1	14.1	13.9	14.3	14.1	13.9	13.0	11.9	11.7
59.1					11.5	11.5	11.7	11.5	11.5	11.0	10.6	9.7	9.5
65.6					9.3	9.3	9.7	9.3	9.3	8.8	8.6	7.9	7.9
72.2						7.7	7.9	7.7	7.5	7.3	6.8	6.2	6.2
78.7						3.5	6.6	6.4	6.2	6.0	5.5	4.9	4.9
85.3							5.5	5.3	5.1	4.6	4.4	3.7	3.7
91.9								4.2	4.2	3.7	3.5	2.9	2.9
98.4								3.5	3.5	3.1	2.6	2.2	2.2
105.0									2.9	2.4	2.0		
111.5									2.2	1.8	1.5		
118.1										1.3			



11,905 lbs

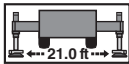
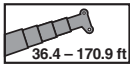
ASME

lbs x 1,000

	36.4 ft*	36.4 ft	49.0 ft	61.5 ft	74.1 ft	86.6 ft	98.3 ft	110.9 ft	123.4 ft	136.0 ft	148.5 ft	161.1 ft	170.9 ft
8.2	154.3**	127.2**											
9.8	130.7**	115.7**	111.1	108.0									
11.5	111.6	103.2	101.9	98.8	88.0								
13.1	96.8	91.7	92.2	91.1	88.0	67.9							
14.8	85.3	82.2	82.7	81.8	82.0	63.3	52.7						
16.4	76.1	74.3	74.5	73.9	74.1	59.3	52.7	38.8					
19.7	62.2	61.5	61.9	60.2	58.6	54.0	49.2	41.0	31.3				
23.0	52.0	51.6	52.5	48.9	47.0	45.9	42.3	38.8	31.3	23.4			
26.2	41.4	39.7	41.4	41.0	39.2	38.1	35.3	32.4	30.9	23.4	18.3		
29.5			32.6	34.0	34.4	32.4	30.0	28.4	27.3	23.4	18.3	15.0	
32.8			27.3	28.7	28.9	27.8	25.8	25.8	23.6	22.7	18.3	15.0	12.8
39.4			19.2	20.5	20.7	20.7	21.4	19.8	19.6	18.7	17.2	15.0	12.8
45.9				15.2	16.3	16.5	16.1	16.5	15.9	15.4	14.6	13.4	12.8
52.5				11.7	13.0	13.0	13.2	13.0	13.0	12.6	11.9	10.8	10.6
59.1					10.4	10.4	10.6	10.4	10.4	9.9	9.7	8.8	8.6
65.6					8.4	8.4	8.6	8.4	8.4	7.9	7.7	7.1	6.8
72.2						6.8	7.1	6.8	6.8	6.4	6.0	5.5	5.5
78.7						2.9	5.7	5.5	5.5	5.1	4.9	4.2	4.2
85.3							4.9	4.6	4.4	4.0	3.7	3.1	3.1
91.9								3.7	3.5	3.1	2.9	2.2	2.2
98.4								2.9	2.9	2.4	2.2		
105.0									2.2	1.8	1.5		
111.5									1.8	1.3			

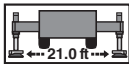
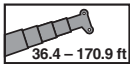
* Over rear · A l'arrière · Hacia atrás

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

**9,700 lbs****ASME**

lbs x 1,000

ft	36.4 ft*	36.4 ft	49.0 ft	61.5 ft	74.1 ft	86.6 ft	98.3 ft	110.9 ft	123.4 ft	136.0 ft	148.5 ft	161.1 ft	170.9 ft
8.2	154.3**	127.2**											
9.8	129.6**	115.7**											
11.5	110.2	102.3	111.1	108.0	88.0								
13.1	95.7	90.8	91.3	90.4	88.0	67.9							
14.8	84.2	81.4	81.8	80.9	81.1	63.3	52.7						
16.4	75.0	73.4	73.9	73.0	71.2	59.3	52.7	38.8					
19.7	61.3	60.8	61.1	57.3	56.4	51.4	46.7	41.0	31.3				
23.0	51.1	49.8	50.7	48.1	44.8	43.9	40.3	37.0	31.3	23.4			
26.2	39.7	37.5	39.2	39.0	38.8	36.4	33.5	30.9	29.3	23.4	18.3		
29.5			30.9	33.1	32.6	30.6	28.4	28.2	26.0	23.4	18.3	15.0	
32.8			25.8	27.1	27.6	26.5	25.4	24.5	22.5	21.4	18.3	15.0	12.8
39.4			18.1	19.4	19.6	20.7	20.3	19.0	18.5	18.3	16.3	15.0	12.8
45.9				14.3	15.7	15.7	15.4	15.7	15.7	14.6	13.7	12.6	12.3
52.5				11.0	12.1	12.1	12.6	12.3	12.1	11.7	11.0	9.9	9.7
59.1					9.7	9.7	9.9	9.7	9.7	9.3	9.0	7.9	7.9
65.6					7.7	7.7	8.2	7.7	7.7	7.3	7.1	6.4	6.4
72.2						6.2	6.6	6.4	6.2	5.7	5.5	4.9	4.9
78.7						2.4	5.3	5.1	5.1	4.6	4.2	3.7	3.7
85.3							4.4	4.0	4.0	3.5	3.3	2.6	2.6
91.9								3.3	3.1	2.9	2.4		
98.4								2.6	2.4	2.0	1.8		
105.0									1.8	1.5			
111.5									1.3				

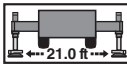
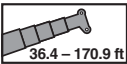
**7,496 lbs****ASME**

lbs x 1,000

ft	36.4 ft*	36.4 ft	49.0 ft	61.5 ft	74.1 ft	86.6 ft	98.3 ft	110.9 ft	123.4 ft	136.0 ft	148.5 ft	161.1 ft	170.9 ft
8.2	154.3**	127.2**											
9.8	127.9**	115.1**											
11.5	108.7	101.2	111.1	108.0	88.0								
13.1	94.4	89.9	90.4	89.5	88.0	67.9							
14.8	83.1	80.5	80.9	80.0	78.0	63.3	52.7						
16.4	74.1	72.5	73.0	72.1	68.3	59.3	52.7	38.8					
19.7	60.4	60.0	60.2	54.2	53.4	48.7	45.9	41.0	31.3				
23.0	48.7	47.2	48.1	45.4	42.8	41.7	38.1	35.1	31.3	23.4			
26.2	37.9	35.3	37.0	37.0	36.8	34.4	31.7	29.1	28.4	23.4	18.3		
29.5			29.8	31.3	30.9	29.1	26.9	26.7	24.5	23.1	18.3	15.0	
32.8			24.3	25.6	25.8	24.9	24.9	22.9	22.5	20.1	18.3	15.0	12.8
39.4			16.8	18.1	18.3	19.4	19.0	19.0	17.9	17.2	16.1	14.8	12.8
45.9				13.4	14.6	14.6	15.0	14.8	14.6	13.7	12.8	11.7	11.5
52.5				10.1	11.2	11.5	11.7	11.5	11.5	11.0	10.4	9.3	9.0
59.1					8.8	9.0	9.3	9.0	9.0	8.6	8.2	7.3	7.3
65.6					7.1	7.1	7.5	7.3	7.1	6.6	6.4	5.7	5.7
72.2						5.7	6.0	5.7	5.7	5.3	4.9	4.4	4.4
78.7						1.8	4.9	4.6	4.4	4.2	3.7	3.1	3.1
85.3							4.0	3.5	3.5	3.1	2.9		
91.9								2.9	2.6	2.4	2.0		
98.4								2.2	2.0	1.5			
105.0									1.5	1.1			
111.5									1.1				

* Over rear · A l'arrière · Hacia atrás

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



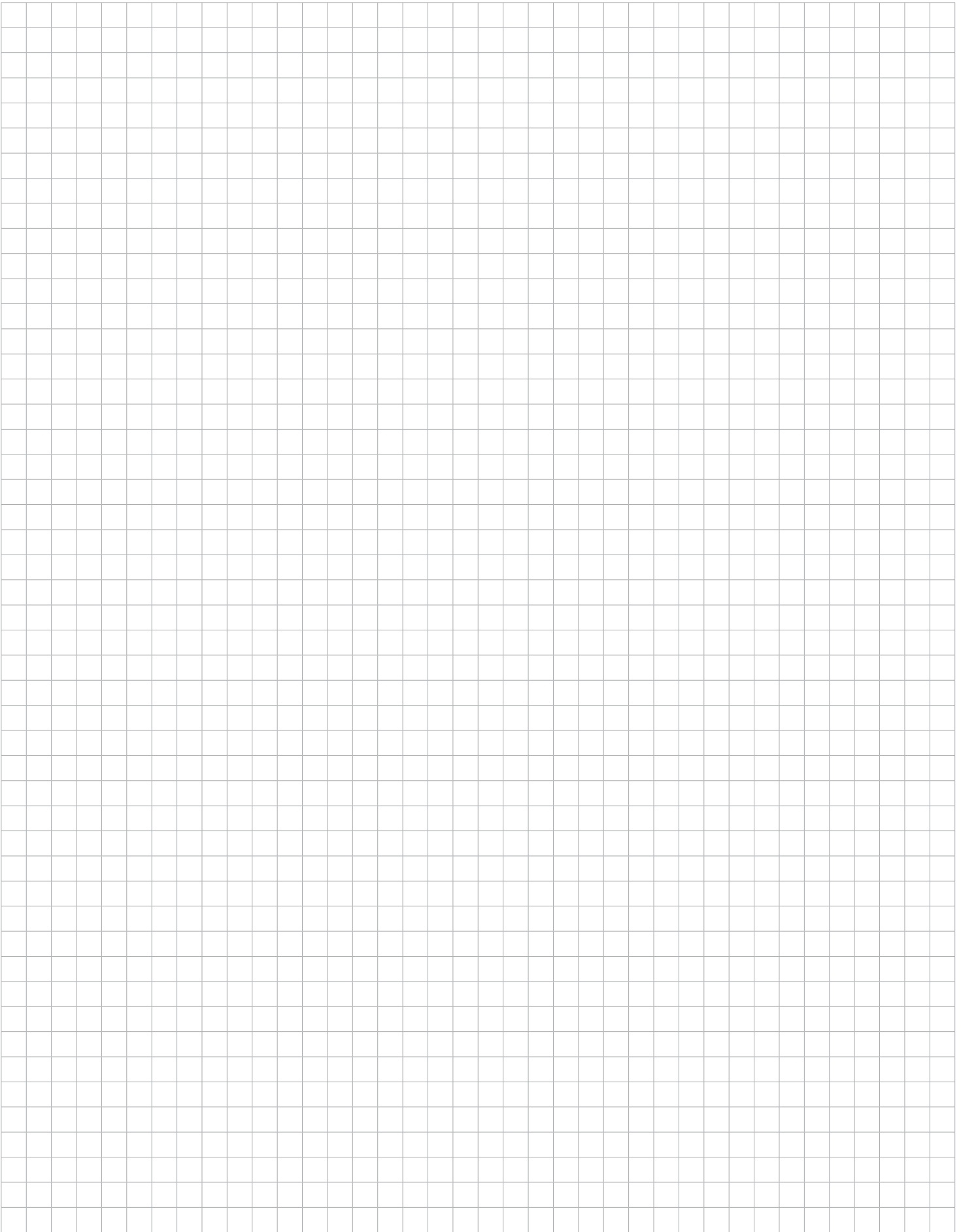
0 lbs

ASME

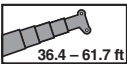
lbs x 1,000

 ft	36.4 ft*	36.4 ft	49.0 ft	61.5 ft	74.1 ft	86.6 ft	98.3 ft	110.9 ft	123.4 ft	136.0 ft	148.5 ft	161.1 ft	170.9 ft
8.2	147.9**	127.2**											
9.8	122.4**	111.8	111.1	108.0									
11.5	104.1	97.9	98.3	97.7	88.0								
13.1	90.2	86.6	87.1	86.4	79.6	67.9							
14.8	79.4	77.4	77.8	73.2	67.2	58.0	52.7						
16.4	70.8	69.7	69.2	60.6	58.6	52.5	46.7	38.8					
19.7	56.7	54.7	51.1	47.8	46.5	43.0	39.0	35.3	31.3				
23.0	41.2	37.7	39.2	39.0	36.8	34.2	31.1	29.1	28.0	23.4			
26.2	31.7	27.8	30.4	31.7	30.2	28.0	27.8	25.6	24.9	21.8	18.3		
29.5			23.8	25.4	25.1	25.1	23.6	22.9	22.0	19.4	17.6	15.0	
32.8			19.0	20.5	21.2	21.6	20.1	19.8	19.0	17.6	16.3	15.0	12.8
39.4			12.8	14.1	15.4	15.4	15.9	15.2	14.6	13.4	12.6	11.5	11.0
45.9				10.1	11.2	11.5	11.7	11.5	11.5	10.6	9.7	8.6	8.4
52.5				7.3	8.6	8.6	9.0	8.6	8.6	8.2	7.5	6.6	6.4
59.1					6.6	6.6	6.8	6.6	6.6	6.2	5.7	5.1	4.9
65.6					5.1	5.1	5.3	5.1	5.1	4.6	4.2	3.7	
72.2						3.7	4.2	3.7	3.7	3.3	3.1		
78.7							3.1	2.9	2.9	2.4			
85.3							2.4	2.0	2.0				
91.9								1.3	1.3				

* 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



36.4 – 61.7 ft

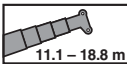




180°

36,376 lbs

ASME



11.1 – 18.8 m

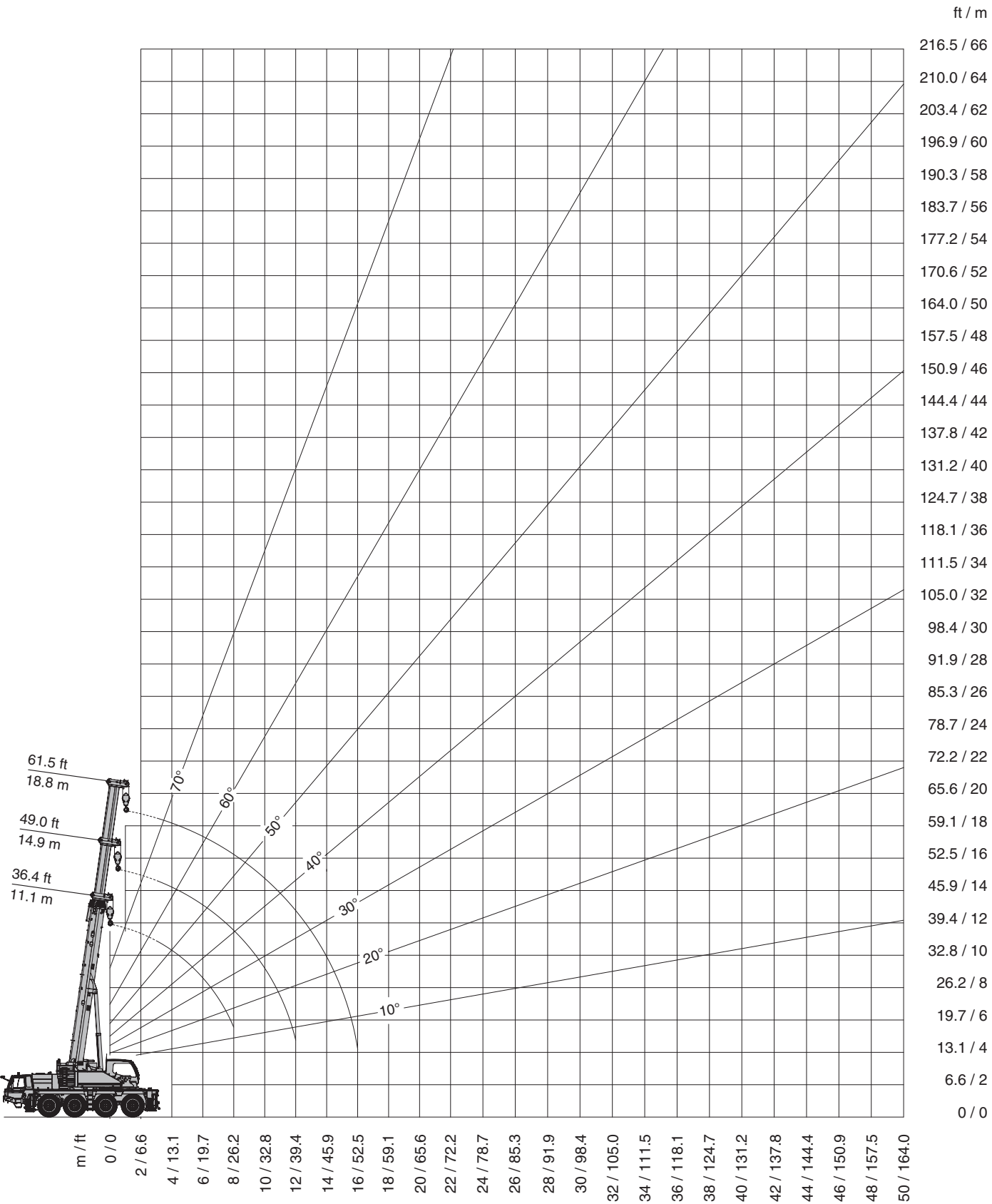




180°

16.5 t

ASME



Lifting capacities · Charges de levage · Cargas

			36,376 lbs	ASME	lbs x 1,000
--	--	--	-------------------	-------------	-------------

	36.4 ft	49.0 ft	61.5 ft
9.8	43.2	44.3	38.4
11.5	39.2	40.3	35.7
13.1	35.7	36.8	33.3
14.8	32.8	34.0	31.3
16.4	30.2	31.3	29.3
19.7	25.8	26.9	26.2
23.0	20.7	22.3	23.4
26.2	16.8	18.3	19.2
29.5		15.2	16.1
32.8		12.8	13.7
39.4		9.0	10.1
45.9			7.5
52.5			5.7

			26,896 lbs	ASME	lbs x 1,000
--	--	--	-------------------	-------------	-------------

	36.4 ft	49.0 ft	61.5 ft
9.8	43.4	44.5	38.4
11.5	39.5	40.6	35.7
13.1	35.9	37.0	33.3
14.8	33.1	34.2	31.3
16.4	28.9	30.6	29.3
19.7	21.8	23.6	24.7
23.0	17.0	18.7	19.6
26.2	13.4	15.0	16.1
29.5		12.3	13.4
32.8		10.1	11.2
39.4		7.1	7.9
45.9			5.7
52.5			4.2

			22,487 lbs	ASME	lbs x 1,000
--	--	--	-------------------	-------------	-------------

	36.4 ft	49.0 ft	61.5 ft
9.8	43.7	44.5	38.4
11.5	39.5	40.6	35.7
13.1	36.2	36.4	33.3
14.8	30.9	32.2	31.1
16.4	26.5	28.2	28.0
19.7	19.8	21.6	22.7
23.0	15.4	17.0	18.1
26.2	12.1	13.7	14.6
29.5		11.0	12.1
32.8		9.0	10.1
39.4		6.2	7.1
45.9			5.1
52.5			3.5

			15,212 lbs	ASME	lbs x 1,000
--	--	--	-------------------	-------------	-------------

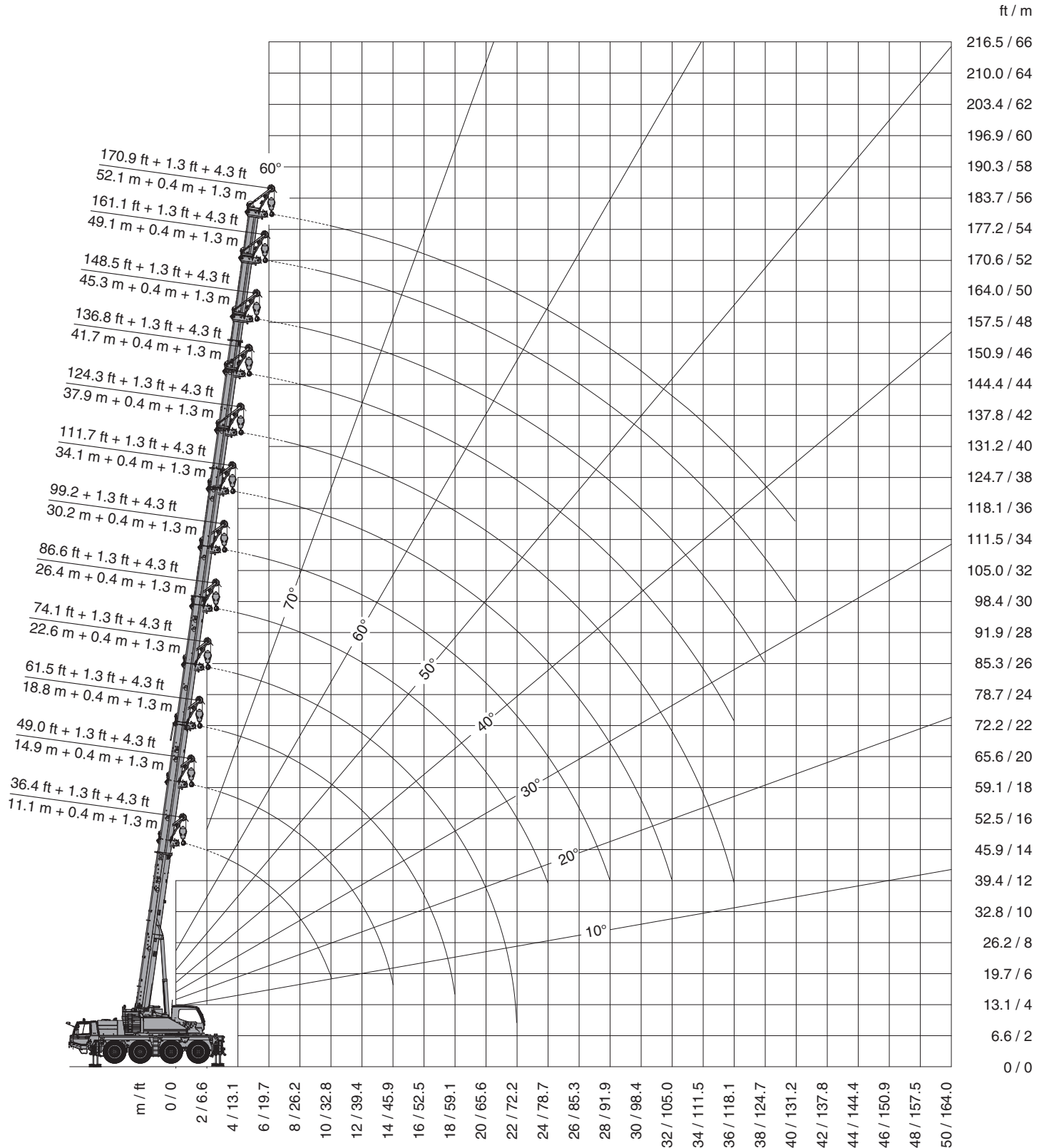
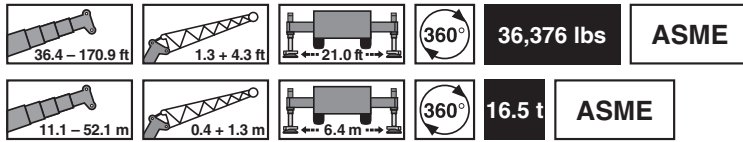
	36.4 ft	49.0 ft	61.5 ft
9.8	43.7	41.9	38.4
11.5	37.5	36.2	34.2
13.1	31.5	31.3	30.2
14.8	26.2	27.6	26.7
16.4	22.3	24.0	24.0
19.7	16.5	18.3	19.4
23.0	12.6	14.1	15.2
26.2	9.7	11.2	12.1
29.5		8.8	9.9
32.8		7.1	8.2
39.4		4.4	5.5
45.9			3.7
52.5			2.2

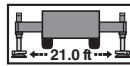
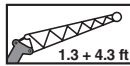
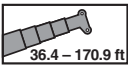
			9,700 lbs	ASME	lbs x 1,000
--	--	--	------------------	-------------	-------------

	36.4 ft	49.0 ft	61.5 ft
9.8	39.0	37.3	35.1
11.5	33.1	32.0	30.4
13.1	27.6	27.8	26.7
14.8	22.9	24.3	23.6
16.4	19.2	21.2	20.9
19.7	14.1	15.7	16.8
23.0	10.4	12.1	13.2
26.2	7.7	9.5	10.4
29.5		7.3	8.4
32.8		5.7	6.6
39.4		3.3	4.4
45.9			2.6
52.5			1.3

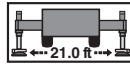
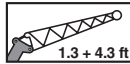
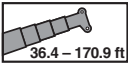
			0 lbs	ASME	lbs x 1,000
--	--	--	--------------	-------------	-------------

	36.4 ft	49.0 ft	61.5 ft
9.8	30.2	29.1	27.6
11.5	25.1	24.7	23.6
13.1	20.7	21.2	20.5
14.8	17.0	18.3	18.1
16.4	13.9	15.7	15.9
19.7	9.7	11.5	12.6
23.0	6.8	8.4	9.5
26.2	4.6	6.2	7.3
29.5		4.4	5.5
32.8		3.3	4.2
39.4		1.3	2.2

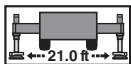
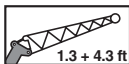
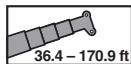


**36,376 lbs****ASME**

ft	36.4 ft + 1.3 ft + 4.3 ft			74.1 ft + 1.3 ft + 4.3 ft			99.2 ft + 1.3 ft + 4.3 ft			124.3 ft + 1.3 ft + 4.3 ft			148.5 ft + 1.3 ft + 4.3 ft			170.9 ft + 1.3 ft + 4.3 ft		
	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°
9.8		57.8	57.8															
11.5		57.8	57.8			57.8												
13.1		57.8	57.8			55.3												
14.8		57.8	57.8			52.2												
16.4		57.8	57.8			49.4			36.8									
19.7		57.8	55.6			44.5			34.0									
23.0	57.8	57.8	53.6			40.3			31.5			24.0						
26.2	51.6	51.8	52.0		38.1	37.0			29.3			22.5			16.3			
29.5	45.0	45.2	45.4		35.1	34.0			27.6			21.2			15.9			
32.8	35.5	37.9	38.8		32.4	31.5			26.0			19.8			15.2			11.7
39.4					28.0	27.3		23.6	23.1			17.6			14.1			11.0
45.9				21.4	21.8	22.0		20.7	20.5		16.3	15.9			12.8			10.1
52.5				16.5	16.8	16.8		17.4	17.6		15.0	14.6			11.9			9.5
59.1				12.8	13.0	13.0		13.7	13.9		13.7	13.2		11.2	11.0			8.8
65.6				10.1	10.1	10.4	11.0	11.0	11.0		11.9	12.1		10.4	10.1			8.4
72.2				5.3	7.7	7.3	8.8	8.8	8.8		9.7	9.7		9.5	9.5		8.2	7.9
78.7							7.1	6.8	7.1		7.9	7.9		8.8	8.8		7.7	7.5
85.3							5.5	5.5	5.5	6.4	6.4	6.4		7.3	7.5		7.3	7.1
91.9							4.2	4.2	4.2	5.1	5.1	5.1		6.2	6.2		6.6	6.6
98.4										4.2	4.0	4.2		5.1	5.1		5.5	5.5
105.0										3.1	3.1	3.1	4.2	4.0	4.2		4.6	4.6
111.5										2.4	2.4	2.4	3.3	3.3	3.3		3.7	3.7
118.1										1.8	1.8	1.8	2.6	2.6	2.6		3.1	3.1
124.7													2.0	2.0	2.0		2.4	2.4
131.2																	2.0	1.8

**31,967 lbs****ASME**

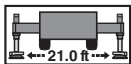
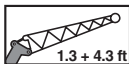
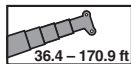
ft	36.4 ft + 1.3 ft + 4.3 ft			74.1 ft + 1.3 ft + 4.3 ft			99.2 ft + 1.3 ft + 4.3 ft			124.3 ft + 1.3 ft + 4.3 ft			148.5 ft + 1.3 ft + 4.3 ft			170.9 ft + 1.3 ft + 4.3 ft		
	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°
9.8		57.8	57.8															
11.5		57.8	57.8			57.8												
13.1		57.8	57.8			55.3												
14.8		57.8	57.8			52.2												
16.4		57.8	57.8			49.4			36.8									
19.7		57.8	55.6			44.5			34.0									
23.0	57.8	57.8	53.6			40.3			31.5			24.0						
26.2	50.3	50.7	50.9		38.1	37.0			29.3			22.5			16.3			
29.5	43.9	44.1	44.3		35.1	34.0			27.6			21.2			15.9			
32.8	35.5	37.9	38.8		32.4	31.5			26.0			19.8			15.2			11.7
39.4					26.7	27.1		23.6	23.1			17.6			14.1			11.0
45.9				19.6	19.8	20.1		20.7	20.5		16.3	15.9			12.8			10.1
52.5				14.8	15.0	15.2		15.9	16.1		15.0	14.6			11.9			9.5
59.1				11.5	11.7	11.7		12.3	12.6		13.4	13.2		11.2	11.0			8.8
65.6				8.8	9.0	9.0	9.7	9.7	9.7		10.8	10.8		10.4	10.1			8.4
72.2				5.3	7.1	6.8	7.7	7.5	7.7		8.6	8.6		9.5	9.5		8.2	7.9
78.7							6.0	6.0	6.0		6.8	6.8		7.9	7.9		7.7	7.5
85.3							4.6	4.6	4.6	5.5	5.5	5.5		6.4	6.6		7.1	7.1
91.9							3.5	3.3	3.3	4.4	4.2	4.4		5.3	5.3		6.0	5.7
98.4										3.3	3.3	3.3		4.2	4.2		4.9	4.9
105.0										2.4	2.4	2.4	3.3	3.3	3.3		4.0	4.0
111.5										1.8	1.8	1.8	2.6	2.6	2.6		3.1	3.1
118.1										1.1	1.1	1.1	2.0	2.0	2.0		2.4	2.4
124.7													1.3	1.3	1.3		2.0	1.8
131.2																	1.3	1.3



24,251 lbs

ASME

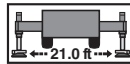
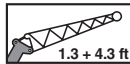
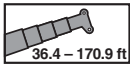
	36.4 ft + 1.3 ft + 4.3 ft			74.1 ft + 1.3 ft + 4.3 ft			99.2 ft + 1.3 ft + 4.3 ft			124.3 ft + 1.3 ft + 4.3 ft			148.5 ft + 1.3 ft + 4.3 ft			170.9 ft + 1.3 ft + 4.3 ft		
ft	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°
9.8		57.8	57.8															
11.5		57.8	57.8			57.8												
13.1		57.8	57.8			55.3												
14.8		57.8	57.8			52.2												
16.4		57.8	57.8			49.4			36.8									
19.7		57.8	55.6			44.5			34.0									
23.0	56.0	56.4	53.6			40.3			31.5			24.0						
26.2	48.1	48.5	48.7		38.1	37.0			29.3			22.5			16.3			
29.5	41.9	42.1	42.3		35.1	34.0			27.6			21.2			15.9			
32.8	35.3	35.5	35.5		31.5	31.5			26.0			19.8			15.2			11.7
39.4					22.7	22.9		22.5	22.9			17.6			14.1			11.0
45.9				16.1	16.5	16.5		17.2	17.4		16.3	15.9			12.8			10.1
52.5				11.9	12.1	12.3		13.0	13.2		13.9	14.1			11.9			9.5
59.1				9.0	9.0	9.3		9.9	9.9		11.0	11.0		11.2	11.0			8.8
65.6				6.6	6.8	6.8	7.5	7.5	7.5		8.6	8.6		9.5	9.7			8.4
72.2				5.1	5.1	5.1	5.7	5.7	5.7		6.6	6.6		7.7	7.7		8.2	7.9
78.7							4.2	4.2	4.2		5.1	5.1		6.2	6.2		6.8	6.6
85.3							2.9	2.9	2.9	4.0	4.0	4.0		4.9	4.9		5.5	5.3
91.9							2.0	2.0	2.0	2.9	2.9	2.9		3.7	3.7		4.4	4.4
98.4										2.0	2.0	2.0		2.9	2.9		3.5	3.3
105.0										1.1	1.1	1.1		2.0	2.2		2.6	2.6
111.5														1.3	1.5		2.0	2.0



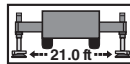
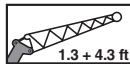
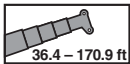
22,487 lbs

ASME

	36.4 ft + 1.3 ft + 4.3 ft			74.1 ft + 1.3 ft + 4.3 ft			99.2 ft + 1.3 ft + 4.3 ft			124.3 ft + 1.3 ft + 4.3 ft			148.5 ft + 1.3 ft + 4.3 ft			170.9 ft + 1.3 ft + 4.3 ft		
ft	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°
9.8		57.8	57.8															
11.5		57.8	57.8			57.8												
13.1		57.8	57.8			55.3												
14.8		57.8	57.8			52.2												
16.4		57.8	57.8			49.4			36.8									
19.7		57.8	55.6			44.5			34.0									
23.0	55.3	55.8	53.6			40.3			31.5			24.0						
26.2	47.6	47.8	48.3		38.1	37.0			29.3			22.5			16.3			
29.5	41.2	41.7	41.9		35.1	34.0			27.6			21.2			15.9			
32.8	34.0	34.2	34.4		30.2	30.6			26.0			19.8			15.2			11.7
39.4					21.6	21.8		21.6	21.8			17.6			14.1			11.0
45.9				15.4	15.7	15.9		16.5	16.8		16.3	15.9			12.8			10.1
52.5				11.2	11.5	11.7		12.3	12.6		13.2	13.4			11.9			9.5
59.1				8.4	8.6	8.6		9.3	9.5		10.4	10.6		11.2	11.0			8.8
65.6				6.2	6.4	6.4	7.1	7.1	7.1		7.9	8.2		9.0	9.3			8.4
72.2				4.4	4.6	4.6	5.3	5.3	5.3		6.2	6.2		7.3	7.3		7.7	7.7
78.7							3.7	3.7	3.7		4.6	4.9		5.7	5.7		6.4	6.2
85.3							2.6	2.6	2.6	3.5	3.5	3.5		4.4	4.6		5.1	5.1
91.9							1.5	1.5	1.5	2.4	2.4	2.4		3.3	3.5		4.0	4.0
98.4										1.5	1.5	1.5		2.4	2.6		3.1	3.1
105.0														1.8	1.8		2.4	2.2

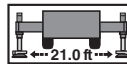
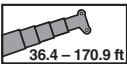
**19,180 lbs****ASME**

 ft	36.4 ft + 1.3 ft + 4.3 ft			74.1 ft + 1.3 ft + 4.3 ft			99.2 ft + 1.3 ft + 4.3 ft			124.3 ft + 1.3 ft + 4.3 ft			148.5 ft + 1.3 ft + 4.3 ft			170.9 ft + 1.3 ft + 4.3 ft		
	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°
9.8		57.8	57.8															
11.5		57.8	57.8			57.8												
13.1		57.8	57.8			55.3												
14.8		57.8	57.8			52.2												
16.4		57.8	57.8			49.4												
19.7		57.8	55.6			44.5			36.8									
23.0	54.5	54.9	53.6			40.3			34.0									
26.2	46.7	47.0	47.2		38.1	37.0			31.5			24.0						
29.5	38.6	38.8	39.2		33.1	33.7			29.3			22.5			16.3			
32.8	31.7	32.0	32.0		28.0	28.4			27.6			21.2			15.9			
39.4					19.8	20.1			26.0			19.8			15.2			11.7
45.9								19.8	20.1			17.6			14.1			11.0
52.5				13.9	14.1	14.3		15.0	15.2		15.2	15.4			12.8			10.1
59.1				10.1	10.4	10.4		11.0	11.2		12.1	12.3			11.9			9.5
65.6				7.3	7.5	7.5		8.2	8.4		9.3	9.5		10.1	10.4			8.8
72.2				5.3	5.3	5.3	6.2	6.0	6.2		7.1	7.3		8.2	8.4			8.4
78.7				3.7	3.7	3.7	4.4	4.4	4.4		5.3	5.5		6.4	6.4		7.1	7.1
85.3							3.1	3.1	3.1		4.0	4.0		4.9	5.1		5.5	5.5
91.9							2.0	1.8	2.0		2.9	2.9		3.7	4.0		4.4	4.4
98.4											1.8	1.8		2.9	2.9		3.3	3.3
														2.0	2.0		2.6	2.4

**7,496 lbs****ASME**

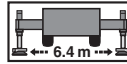
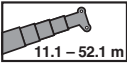
 ft	36.4 ft + 1.3 ft + 4.3 ft			74.1 ft + 1.3 ft + 4.3 ft			99.2 ft + 1.3 ft + 4.3 ft			124.3 ft + 1.3 ft + 4.3 ft			148.5 ft + 1.3 ft + 4.3 ft			170.9 ft + 1.3 ft + 4.3 ft		
	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°
9.8		57.8	57.8															
11.5		57.8	57.8			57.8												
13.1		57.8	57.8			55.3												
14.8		57.8	57.8			52.2												
16.4		57.8	57.8			49.4			36.8									
19.7		57.8	55.6			44.5			34.0									
23.0	48.5	49.2	49.8			37.3			31.5			24.0						
26.2	36.6	37.0	37.5		29.3	30.0			27.8			22.5			16.3			
29.5	28.9	29.3	29.5		24.0	24.7			23.1			21.2			15.9			
32.8	23.4	23.6	23.8		20.1	20.5			19.4			19.0			15.2			11.7
39.4					13.4	13.7		13.7	14.1			14.1			14.1			11.0
45.9				8.6	9.0	9.3		9.9	10.1		10.4	10.6			11.0			10.1
52.5				5.7	6.0	6.0		6.6	6.8		7.7	7.9			8.4			8.6
59.1				3.5	3.7	3.7		4.4	4.6		5.5	5.7		6.4	6.6			6.6
65.6				2.0	2.0	2.0		2.6	2.9		3.7	3.7		4.9	4.9			5.3
72.2														3.3	3.5			4.0

Working range · Rayon de travail · Zona de trabajo



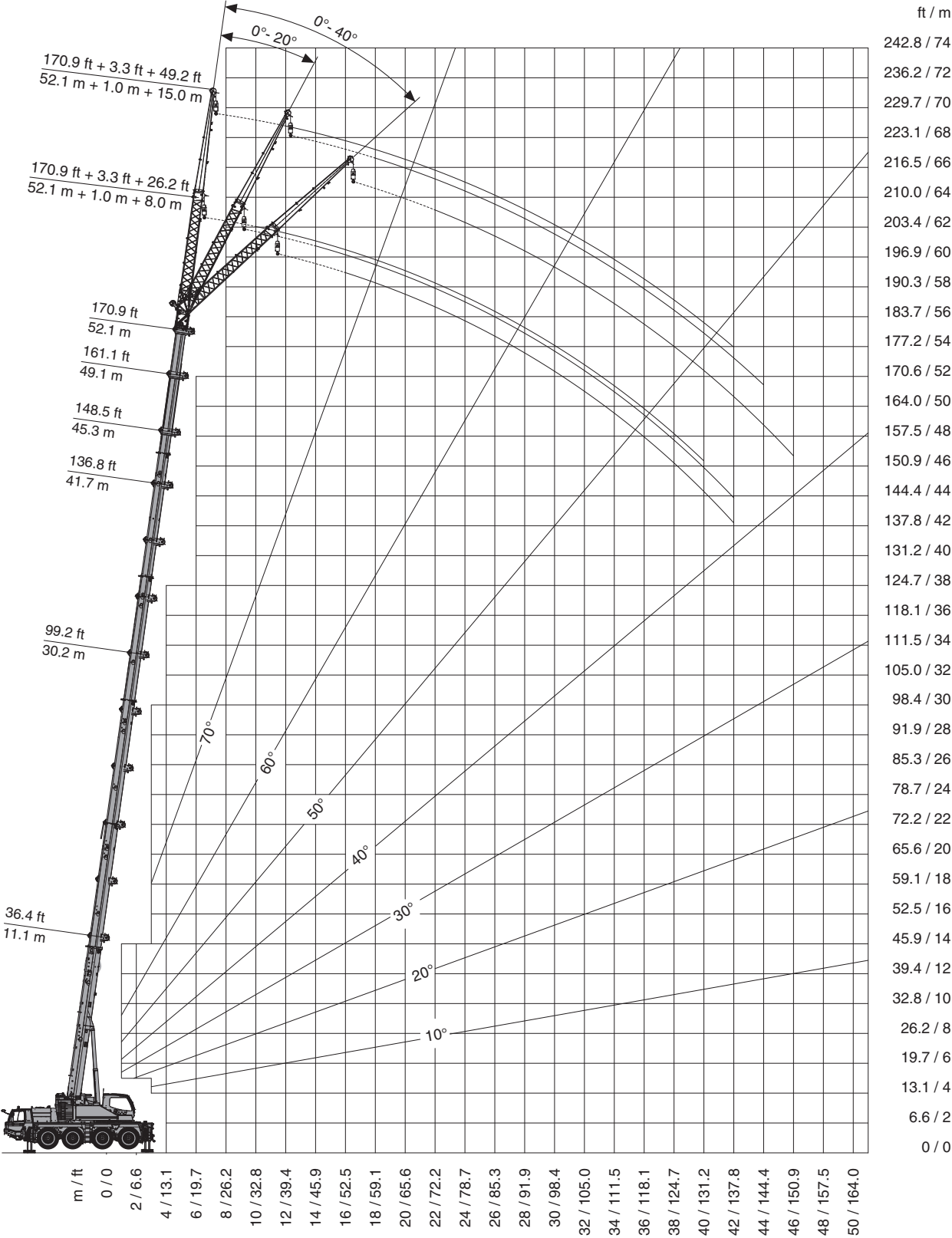
36,376 lbs

ASME

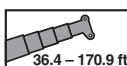


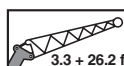
16.5 t

ASME

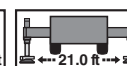


[illegible]


36.4 – 170.9 ft


3.3 + 26.2 ft


HYDRO
3.3 + 26.2 ft


21.0 ft


360°

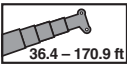
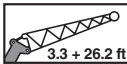
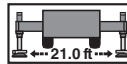
31,967 lbs

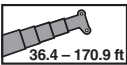
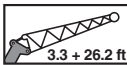
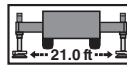
ASME

lbs x 1,000

 ft	36.4 ft + 3.3 ft + 26.2 ft			99.2 ft + 3.3 ft + 26.2 ft			136.8 ft + 3.3 ft + 26.2 ft			148.5 ft + 3.3 ft + 26.2 ft			161.1 ft + 3.3 ft + 26.2 ft			170.9 ft + 3.3 ft + 26.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
8.2	23.1*																	
9.8	23.1*																	
11.5	23.1*																	
13.1	23.1*	23.1*																
14.8	23.1*	23.1*		22.7*														
16.4	23.1*	23.1*		22.7*														
19.7	23.1*	23.1*		22.7*														
23.0	23.1*	22.7*	19.0	22.7*														
26.2	23.1*	21.4*	18.1	22.7*	19.4		12.6			9.3								
29.5	23.1*	20.3*	17.2	22.7*	19.4		12.6			9.3			7.7					
32.8	23.1*	19.2	16.5	22.7*	19.4		12.6			9.3			7.7			5.3		
39.4	20.5*	17.4	15.7	22.3*	19.4	17.2	12.6	12.6		9.3	9.3		7.7	7.7		5.3		
45.9	18.3	16.1	14.8	19.8*	19.0	16.5	12.6	11.7	11.0	9.3	9.3	8.4	7.7	7.7		5.3	5.3	
52.5	16.5	15.0		17.9	17.2	16.1	11.7	10.8	10.1	9.3	8.8	7.7	7.7	7.5	6.8	5.3	5.3	5.3
59.1				14.1	15.4	15.4	10.8	9.9	9.5	9.3	8.2	7.5	7.7	7.1	6.4	5.3	5.3	5.3
65.6				11.5	12.6	13.2	9.9	9.3	8.8	8.8	7.7	7.1	7.5	6.6	6.2	5.3	5.3	5.3
72.2				9.3	10.1	10.8	9.3	8.6	8.4	8.4	7.3	6.8	7.1	6.2	5.7	5.3	5.3	5.3
78.7				7.5	8.4	8.8	7.7	8.2	7.7	7.7	7.1	6.4	6.6	6.0	5.5	5.3	5.3	5.3
85.3				6.2	6.8	7.1	6.4	7.1	7.3	6.8	6.6	6.2	6.2	5.5	5.3	5.3	5.3	5.1
91.9				5.1	5.5	5.7	5.1	5.7	6.2	5.7	6.2	6.0	6.0	5.3	5.1	5.3	5.1	4.9
98.4				4.0	4.4	4.6	4.2	4.6	5.1	4.6	5.1	5.5	4.9	5.1	4.9	4.9	4.9	4.6
105.0				3.1	3.5		3.3	3.7	4.0	3.7	4.2	4.6	4.0	4.6	4.6	4.0	4.4	4.4
111.5				2.4	2.6		2.4	2.9	3.1	2.9	3.3	3.7	3.3	3.7	4.0	3.1	3.7	4.0
118.1				1.8			1.8	2.2	2.4	2.2	2.6	2.9	2.6	2.9	3.3	2.4	2.9	3.3
124.7							1.3	1.5	1.8	1.8	2.0	2.2	2.0	2.4	2.6	2.0	2.2	2.6
131.2									1.1	1.1	1.5	1.5	1.3	1.8	2.0	1.3	1.8	2.0
137.8												1.1	1.3	1.3	1.3		1.1	1.3

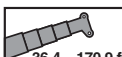
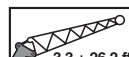
* With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional

					24,251 lbs	ASME	lbs x 1,000											
36.4 – 170.9 ft	3.3 + 26.2 ft	3.3 + 26.2 ft	21.0 ft	360°														
	36.4 ft + 3.3 ft + 26.2 ft			99.2 ft + 3.3 ft + 26.2 ft			136.8 ft + 3.3 ft + 26.2 ft			148.5 ft + 3.3 ft + 26.2 ft			161.1 ft + 3.3 ft + 26.2 ft			170.9 ft + 3.3 ft + 26.2 ft		
ft	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
8.2	23.1*																	
9.8	23.1*																	
11.5	23.1*																	
13.1	23.1*	23.1*																
14.8	23.1*	23.1*		22.7*														
16.4	23.1*	23.1*		22.7*														
19.7	23.1*	23.1*		22.7*														
23.0	23.1*	22.7*	19.0	22.7*														
26.2	23.1*	21.4*	18.1	22.7*	19.4		12.6			9.3								
29.5	23.1*	20.3*	17.2	22.7*	19.4		12.6			9.3			7.7					
32.8	23.1*	19.2	16.5	22.7*	19.4		12.6			9.3			7.7			5.3		
39.4	20.5*	17.4	15.7	22.3*	19.4	17.2	12.6	12.6		9.3	9.3		7.7	7.7		5.3		
45.9	18.3	16.1	14.8	18.5	19.0	16.5	12.6	11.7	11.0	9.3	9.3	8.4	7.7	7.7		5.3	5.3	
52.5	16.5	15.0		15.0	16.3	16.1	11.7	10.8	10.1	9.3	8.8	7.7	7.7	7.5	6.8	5.3	5.3	5.3
59.1				11.7	13.0	13.9	10.8	9.9	9.5	9.3	8.2	7.5	7.7	7.1	6.4	5.3	5.3	5.3
65.6				9.3	10.4	11.0	9.5	9.3	8.8	8.8	7.7	7.1	7.5	6.6	6.2	5.3	5.3	5.3
72.2				7.3	8.2	8.8	7.5	8.4	8.4	7.9	7.3	6.8	7.1	6.2	5.7	5.3	5.3	5.3
78.7				5.7	6.6	7.1	6.0	6.8	7.5	6.6	7.1	6.4	6.6	6.0	5.5	5.3	5.3	5.3
85.3				4.6	5.1	5.5	4.6	5.5	6.0	5.3	6.0	6.2	5.5	5.5	5.3	5.3	5.3	5.1
91.9				3.5	4.0	4.2	3.7	4.2	4.6	4.2	4.9	5.3	4.4	5.1	5.1	4.4	5.1	4.9
98.4				2.6	3.1	3.3	2.6	3.3	3.7	3.3	3.7	4.2	3.5	4.2	4.6	3.5	4.0	4.4
105.0				1.8	2.2		2.0	2.4	2.9	2.4	2.9	3.3	2.6	3.3	3.5	2.6	3.3	3.5
111.5				1.1	1.3		1.3	1.8	2.0	1.8	2.2	2.4	2.0	2.4	2.9	2.0	2.4	2.9
118.1									1.3		1.5	1.8	1.5	1.8	2.2	1.8	2.2	
124.7													1.3	1.5				1.5

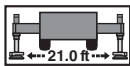
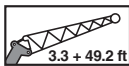
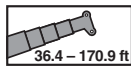
					22,487 lbs	ASME	lbs x 1,000											
36.4 – 170.9 ft	3.3 + 26.2 ft	3.3 + 26.2 ft	21.0 ft	360°														
	36.4 ft + 3.3 ft + 26.2 ft			99.2 ft + 3.3 ft + 26.2 ft			136.8 ft + 3.3 ft + 26.2 ft			148.5 ft + 3.3 ft + 26.2 ft			161.1 ft + 3.3 ft + 26.2 ft			170.9 ft + 3.3 ft + 26.2 ft		
ft	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
8.2	23.1*																	
9.8	23.1*																	
11.5	23.1*																	
13.1	23.1*	23.1*																
14.8	23.1*	23.1*		22.7*														
16.4	23.1*	23.1*		22.7*														
19.7	23.1*	23.1*		22.7*														
23.0	23.1*	22.7*	19.0	22.7*														
26.2	23.1*	21.4*	18.1	22.7*	19.4		12.6			9.3								
29.5	23.1*	20.3*	17.2	22.7*	19.4		12.6			9.3			7.7					
32.8	23.1*	19.2	16.5	22.7*	19.4		12.6			9.3			7.7			5.3		
39.4	20.5*	17.4	15.7	22.3*	19.4	17.2	12.6	12.6		9.3	9.3		7.7	7.7		5.3		
45.9	18.3	16.1	14.8	17.9	19.0	16.5	12.6	11.7	11.0	9.3	9.3	8.4	7.7	7.7		5.3	5.3	
52.5	16.5	15.0		14.3	15.7	16.1	11.7	10.8	10.1	9.3	8.8	7.7	7.7	7.5	6.8	5.3	5.3	5.3
59.1				11.2	12.3	13.2	10.8	9.9	9.5	9.3	8.2	7.5	7.7	7.1	6.4	5.3	5.3	5.3
65.6				8.8	9.7	10.6	8.8	9.3	8.8	8.8	7.7	7.1	7.5	6.6	6.2	5.3	5.3	5.3
72.2				6.8	7.7	8.4	7.1	7.9	8.4	7.5	7.3	6.8	7.1	6.2	5.7	5.3	5.3	5.3
78.7				5.5	6.2	6.6	5.5	6.4	7.1	6.2	6.8	6.4	6.4	6.0	5.5	5.3	5.3	5.3
85.3				4.2	4.9	5.1	4.4	5.1	5.5	4.9	5.5	6.2	5.3	5.5	5.3	5.1	5.3	5.1
91.9				3.1	3.7	4.0	3.3	4.0	4.4	3.7	4.4	4.9	4.2	4.9	5.1	4.0	4.6	4.9
98.4				2.2	2.6	2.9	2.4	3.1	3.3	2.9	3.5	4.0	3.3	3.7	4.2	3.1	3.7	4.2
105.0				1.5	1.8		1.8	2.2	2.4	2.2	2.6	3.1	2.4	2.9	3.3	2.4	2.9	3.3
111.5					1.1			1.3	1.8	1.5	2.0	2.2	1.8	2.2	2.6	1.8	2.2	2.4
118.1											1.3	1.5		1.5	1.8		1.5	1.8

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

					19,180 lbs	ASME	lbs x 1,000											
	36.4 – 170.9 ft	3.3 + 26.2 ft	3.3 + 26.2 ft	21.0 ft														
	36.4 ft + 3.3 ft + 26.2 ft			99.2 ft + 3.3 ft + 26.2 ft			136.8 ft + 3.3 ft + 26.2 ft			148.5 ft + 3.3 ft + 26.2 ft			161.1 ft + 3.3 ft + 26.2 ft			170.9 ft + 3.3 ft + 26.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
8.2	23.1*																	
9.8	23.1*																	
11.5	23.1*																	
13.1	23.1*	23.1*																
14.8	23.1*	23.1*		22.7*														
16.4	23.1*	23.1*		22.7*														
19.7	23.1*	23.1*		22.7*														
23.0	23.1*	22.7*	19.0	22.7*														
26.2	23.1*	21.4*	18.1	22.7*	19.4		12.6			9.3								
29.5	23.1*	20.3*	17.2	22.7*	19.4		12.6			9.3			7.7					
32.8	23.1*	19.2	16.5	22.7*	19.4		12.6			9.3			7.7			5.3		
39.4	20.5*	17.4	15.7	20.7*	19.4	17.2	12.6	12.6		9.3	9.3		7.7	7.7		5.3		
45.9	18.3	16.1	14.8	16.3	17.9	16.5	12.6	11.7	11.0	9.3	9.3	8.4	7.7	7.7		5.3	5.3	
52.5	16.3	15.0		13.0	14.3	15.7	11.7	10.8	10.1	9.3	8.8	7.7	7.7	7.5	6.8	5.3	5.3	5.3
59.1				10.1	11.2	12.1	9.7	9.9	9.5	9.3	8.2	7.5	7.7	7.1	6.4	5.3	5.3	5.3
65.6				7.9	8.8	9.5	7.9	8.8	8.8	8.2	7.7	7.1	7.5	6.6	6.2	5.3	5.3	5.3
72.2				6.2	6.8	7.5	6.2	7.3	7.9	6.6	7.3	6.8	6.8	6.2	5.7	5.3	5.3	5.3
78.7				4.6	5.3	6.0	4.9	5.7	6.2	5.3	6.2	6.4	5.7	6.0	5.5	5.3	5.3	5.3
85.3				3.5	4.2	4.4	3.7	4.4	4.9	4.2	4.9	5.5	4.4	5.3	5.3	4.4	5.1	5.1
91.9				2.4	3.1	3.3	2.6	3.3	3.7	3.1	3.7	4.2	3.5	4.2	4.6	3.5	4.2	4.6
98.4				1.8	2.2	2.2	1.8	2.4	2.9	2.4	2.9	3.3	2.6	3.3	3.5	2.6	3.1	3.5
105.0				1.1	1.3			1.5	2.0	1.5	2.2	2.4	2.0	2.4	2.9	1.8	2.4	2.9
111.5											1.3	1.8		1.8	2.0		1.8	2.0

					7,496 lbs	ASME	lbs x 1,000											
	36.4 – 170.9 ft	3.3 + 26.2 ft	3.3 + 26.2 ft	21.0 ft														
	36.4 ft + 3.3 ft + 26.2 ft			99.2 ft + 3.3 ft + 26.2 ft			136.8 ft + 3.3 ft + 26.2 ft			148.5 ft + 3.3 ft + 26.2 ft			161.1 ft + 3.3 ft + 26.2 ft			170.9 ft + 3.3 ft + 26.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
8.2	23.1*																	
9.8	23.1*																	
11.5	23.1*																	
13.1	23.1*	23.1*																
14.8	23.1*	23.1*		22.7*														
16.4	23.1*	23.1*		22.7*														
19.7	23.1*	23.1*		22.7*														
23.0	23.1*	22.7*	19.0	22.7*														
26.2	23.1*	21.4*	18.1	22.7*	19.4		12.6			9.3								
29.5	23.1*	20.3*	17.2	22.7*	19.4		12.6			9.3			7.7					
32.8	23.1*	19.2	16.5	19.8*	19.4		12.6			9.3			7.7			5.3		
39.4	20.1*	17.4	15.7	14.8	16.8	17.2	12.6	12.6		9.3	9.3		7.7	7.7		5.3		
45.9	15.2	16.1	14.8	11.2	13.0	14.3	10.4	11.7	11.0	9.3	9.3	8.4	7.7	7.7		5.3	5.3	
52.5	11.9	12.3		8.6	9.9	11.2	7.9	9.3	10.1	8.2	8.8	7.7	7.7	7.5	6.8	5.3	5.3	5.3
59.1				6.4	7.5	8.4	6.0	7.3	8.2	6.4	7.5	7.5	6.6	7.1	6.4	5.3	5.3	5.3
65.6				4.4	5.5	6.2	4.6	5.5	6.4	4.9	6.0	6.6	5.1	6.0	6.2	4.9	5.3	5.3
72.2				3.1	4.0	4.6	3.3	4.2	4.9	3.7	4.6	5.3	4.0	4.6	5.5	3.7	4.6	5.3
78.7				2.0	2.6	3.1	2.2	2.9	3.5	2.6	3.5	4.0	2.9	3.5	4.2	2.6	3.5	4.2
85.3					1.5	2.0			2.4		2.4	3.1		2.6	3.3		2.6	3.1
91.9												2.0			2.4			2.2

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

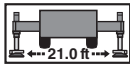
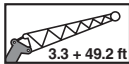
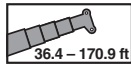


36,376 lbs

ASME

lbs x 1,000

	36.4 ft + 3.3 ft + 49.2 ft			99.2 ft + 3.3 ft + 49.2 ft			136.8 ft + 3.3 ft + 49.2 ft			148.5 ft + 3.3 ft + 49.2 ft			161.1 ft + 3.3 ft + 49.2 ft			170.9 ft + 3.3 ft + 49.2 ft		
ft	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
8.2	17.4																	
9.8	17.4																	
11.5	17.4																	
13.1	17.4																	
14.8	17.4																	
16.4	17.4																	
19.7	17.4			11.5														
23.0	16.3			11.5														
26.2	15.4	12.3		11.5														
29.5	14.3	11.7		11.5			7.1			6.2								
32.8	13.4	11.0		11.5			7.1			6.2			5.3					
39.4	12.1	10.1	8.8	11.5	10.6		7.1			6.2			5.3			3.7		
45.9	10.8	9.3	8.4	11.5	9.9		7.1			6.2			5.3			3.7		
52.5	9.9	8.6	7.7	11.5	9.5	8.2	7.1	7.1		6.2	6.2		5.3			3.7		
59.1	9.0	7.9	7.5	11.5	9.0	7.7	7.1	7.1		6.2	6.2		5.3	5.3		3.7	3.7	
65.6	8.4	7.5	7.1	10.8	8.6	7.5	7.1	7.1	7.1	6.2	6.0	5.1	5.3	5.1		3.7	3.7	
72.2	7.7	7.3	7.1	10.1	8.2	7.3	7.1	7.1	7.1	6.2	5.5	4.9	5.3	4.9	4.2	3.7	3.7	3.7
78.7	7.3	7.1		9.5	7.9	7.1	7.1	7.1	6.6	6.2	5.3	4.6	5.3	4.6	4.0	3.7	3.7	3.7
85.3				7.9	7.7	6.8	7.1	6.6	6.2	6.0	5.1	4.4	5.1	4.2	4.0	3.7	3.7	3.7
91.9				6.6	7.3	6.6	6.6	6.2	6.0	5.5	4.9	4.2	4.6	4.0	3.7	3.7	3.7	3.5
98.4				5.5	6.6	6.6	5.5	5.7	5.5	5.3	4.6	4.2	4.4	4.0	3.5	3.7	3.7	3.3
105.0				4.6	5.5	6.2	4.6	5.5	5.3	4.9	4.4	4.0	4.2	3.7	3.3	3.7	3.5	3.3
111.5				3.7	4.6	5.1	3.7	4.6	5.1	4.0	4.2	3.7	4.0	3.5	3.3	3.7	3.3	3.1
118.1				3.1	3.7	4.2	3.1	3.7	4.4	3.3	4.0	3.7	3.5	3.3	3.1	3.3	3.3	2.9
124.7				2.4	3.1	3.3	2.4	3.1	3.5	2.6	3.3	3.5	2.9	3.3	3.1	2.6	3.1	2.9
131.2				2.0	2.4		1.8	2.4	2.9	2.0	2.6	3.1	2.2	2.9	2.9	2.2	2.9	2.6
137.8				1.5	1.8		1.3	1.8	2.2	1.5	2.2	2.4	1.8	2.4	2.6	1.5	2.2	2.6
144.4									1.5			2.0		1.8	2.2		1.8	2.2
150.9														1.5				1.5

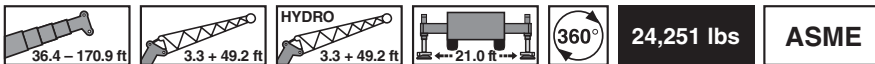


31,967 lbs

ASME

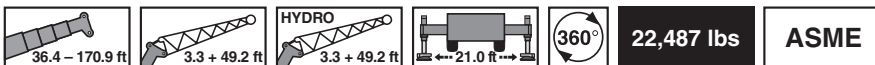
lbs x 1,000

	36.4 ft + 3.3 ft + 49.2 ft			99.2 ft + 3.3 ft + 49.2 ft			136.8 ft + 3.3 ft + 49.2 ft			148.5 ft + 3.3 ft + 49.2 ft			161.1 ft + 3.3 ft + 49.2 ft			170.9 ft + 3.3 ft + 49.2 ft		
ft	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
8.2	17.4																	
9.8	17.4																	
11.5	17.4																	
13.1	17.4																	
14.8	17.4																	
16.4	17.4																	
19.7	17.4			11.5														
23.0	16.3			11.5														
26.2	15.4	12.3		11.5														
29.5	14.3	11.7		11.5			7.1			6.2								
32.8	13.4	11.0		11.5			7.1			6.2			5.3					
39.4	12.1	10.1	8.8	11.5	10.6		7.1			6.2			5.3			3.7		
45.9	10.8	9.3	8.4	11.5	9.9		7.1			6.2			5.3			3.7		
52.5	9.9	8.6	7.7	11.5	9.5	8.2	7.1	7.1		6.2	6.2		5.3			3.7		
59.1	9.0	7.9	7.5	11.5	9.0	7.7	7.1	7.1		6.2	6.2		5.3	5.3		3.7	3.7	
65.6	8.4	7.5	7.1	10.8	8.6	7.5	7.1	7.1	7.1	6.2	6.0	5.1	5.3	5.1		3.7	3.7	
72.2	7.7	7.3	7.1	10.1	8.2	7.3	7.1	7.1	7.1	6.2	5.5	4.9	5.3	4.9	4.2	3.7	3.7	3.7
78.7	7.3	7.1		8.6	7.9	7.1	7.1	7.1	6.6	6.2	5.3	4.6	5.3	4.6	4.0	3.7	3.7	3.7
85.3				7.1	7.7	6.8	7.1	6.6	6.2	6.0	5.1	4.4	5.1	4.2	4.0	3.7	3.7	3.7
91.9				6.0	6.8	6.6	5.7	6.2	6.0	5.5	4.9	4.2	4.6	4.0	3.7	3.7	3.7	3.5
98.4				4.9	5.7	6.6	4.9	5.7	5.5	5.1	4.6	4.2	4.4	4.0	3.5	3.7	3.7	3.3
105.0				4.0	4.6	5.5	3.7	4.9	5.3	4.0	4.4	4.0	4.2	3.7	3.3	3.7	3.5	3.3
111.5				3.1	3.7	4.4	3.1	4.0	4.6	3.3	4.2	3.7	3.5	3.5	3.3	3.3	3.3	3.1
118.1				2.4	3.1	3.5	2.4	3.1	3.7	2.6	3.3	3.7	2.9	3.3	3.1	2.6	3.3	2.9
124.7				2.0	2.4	2.6	1.8	2.4	3.1	2.0	2.6	3.3	2.2	2.9	3.1	2.2	2.9	2.9
131.2				1.3	1.8		1.3	2.0	2.2	1.5	2.2	2.6	1.8	2.4	2.9	1.5	2.2	2.6
137.8					1.1			1.3	1.8		1.5	2.0		1.8	2.2		1.8	2.2
144.4									1.1			1.3		1.3	1.8			1.5



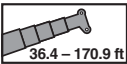
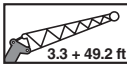
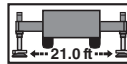
lbs x 1,000

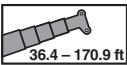
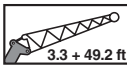
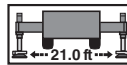
	36.4 ft + 3.3 ft + 49.2 ft			99.2 ft + 3.3 ft + 49.2 ft			136.8 ft + 3.3 ft + 49.2 ft			148.5 ft + 3.3 ft + 49.2 ft			161.1 ft + 3.3 ft + 49.2 ft			170.9 ft + 3.3 ft + 49.2 ft		
ft	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
8.2	17.4																	
9.8	17.4																	
11.5	17.4																	
13.1	17.4																	
14.8	17.4																	
16.4	17.4																	
19.7	17.4			11.5														
23.0	16.3			11.5														
26.2	15.4	12.3		11.5														
29.5	14.3	11.7		11.5			7.1			6.2								
32.8	13.4	11.0		11.5			7.1			6.2			5.3					
39.4	12.1	10.1	8.8	11.5	10.6		7.1			6.2			5.3			3.7		
45.9	10.8	9.3	8.4	11.5	9.9		7.1			6.2			5.3			3.7		
52.5	9.9	8.6	7.7	11.5	9.5	8.2	7.1	7.1		6.2	6.2		5.3			3.7		
59.1	9.0	7.9	7.5	11.5	9.0	7.7	7.1	7.1		6.2	6.2		5.3	5.3		3.7	3.7	
65.6	8.4	7.5	7.1	10.4	8.6	7.5	7.1	7.1	7.1	6.2	6.0	5.1	5.3	5.1		3.7	3.7	
72.2	7.7	7.3	7.1	8.4	8.2	7.3	7.1	7.1	7.1	6.2	5.5	4.9	5.3	4.9	4.2	3.7	3.7	3.7
78.7	7.3	7.1		6.8	7.9	7.1	6.6	7.1	6.6	6.2	5.3	4.6	5.3	4.6	4.0	3.7	3.7	3.7
85.3				5.5	6.6	6.8	5.5	6.6	6.2	5.7	5.1	4.4	5.1	4.2	4.0	3.7	3.7	3.7
91.9				4.4	5.5	6.4	4.4	5.5	6.0	4.6	4.9	4.2	4.6	4.0	3.7	3.7	3.7	3.5
98.4				3.5	4.4	5.3	3.3	4.4	5.3	3.5	4.6	4.2	3.7	4.0	3.5	3.7	3.7	3.3
105.0				2.6	3.5	4.2	2.6	3.5	4.4	2.9	3.7	4.0	3.1	3.7	3.3	2.9	3.5	3.3
111.5				2.0	2.6	3.3	2.0	2.9	3.5	2.2	3.1	3.7	2.2	3.1	3.3	2.2	3.1	3.1
118.1				1.3	2.0	2.4		2.0	2.6	1.5	2.2	2.9	1.8	2.4	3.1		2.4	2.9
124.7					1.3	1.5		1.5	2.0		1.8	2.2		2.0	2.4		1.8	2.4
131.2									1.3			1.5			1.8			1.8



lbs x 1,000

	36.4 ft + 3.3 ft + 49.2 ft			99.2 ft + 3.3 ft + 49.2 ft			136.8 ft + 3.3 ft + 49.2 ft			148.5 ft + 3.3 ft + 49.2 ft			161.1 ft + 3.3 ft + 49.2 ft			170.9 ft + 3.3 ft + 49.2 ft		
ft	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
8.2	17.4																	
9.8	17.4																	
11.5	17.4																	
13.1	17.4																	
14.8	17.4																	
16.4	17.4																	
19.7	17.4			11.5														
23.0	16.3			11.5														
26.2	15.4	12.3		11.5														
29.5	14.3	11.7		11.5			7.1			6.2								
32.8	13.4	11.0		11.5			7.1			6.2			5.3					
39.4	12.1	10.1	8.8	11.5	10.6		7.1			6.2			5.3			3.7		
45.9	10.8	9.3	8.4	11.5	9.9		7.1			6.2			5.3			3.7		
52.5	9.9	8.6	7.7	11.5	9.5	8.2	7.1	7.1		6.2	6.2		5.3			3.7		
59.1	9.0	7.9	7.5	11.5	9.0	7.7	7.1	7.1		6.2	6.2		5.3	5.3		3.7	3.7	
65.6	8.4	7.5	7.1	9.7	8.6	7.5	7.1	7.1	7.1	6.2	6.0	5.1	5.3	5.1		3.7	3.7	
72.2	7.7	7.3	7.1	7.9	8.2	7.3	7.1	7.1	7.1	6.2	5.5	4.9	5.3	4.9	4.2	3.7	3.7	3.7
78.7	7.3	7.1		6.4	7.7	7.1	6.2	7.1	6.6	6.2	5.3	4.6	5.3	4.6	4.0	3.7	3.7	3.7
85.3				5.1	6.4	6.8	5.1	6.4	6.2	5.3	5.1	4.4	5.1	4.2	4.0	3.7	3.7	3.7
91.9				4.0	5.1	6.2	4.0	5.1	6.0	4.2	4.9	4.2	4.4	4.0	3.7	3.7	3.7	3.5
98.4				3.1	4.0	4.9	3.1	4.2	5.1	3.3	4.4	4.2	3.5	4.0	3.5	3.3	3.7	3.3
105.0				2.4	3.1	4.0	2.2	3.3	4.0	2.4	3.5	4.0	2.6	3.7	3.3	2.6	3.5	3.3
111.5				1.8	2.4	2.9	1.5	2.4	3.1	1.8	2.6	3.3	2.0	2.9	3.3	2.0	2.9	3.1
118.1				1.1	1.8	2.2		1.8	2.4		2.0	2.6		2.2	2.9		2.2	2.9
124.7					1.1	1.3			1.8			2.0		1.5	2.2			2.2
131.2															1.5			

					19,180 lbs	ASME	lbs x 1,000											
36.4 – 170.9 ft	3.3 + 49.2 ft	3.3 + 49.2 ft	21.0 ft	360°														
	36.4 ft + 3.3 ft + 49.2 ft			99.2 ft + 3.3 ft + 49.2 ft			136.8 ft + 3.3 ft + 49.2 ft			148.5 ft + 3.3 ft + 49.2 ft			161.1 ft + 3.3 ft + 49.2 ft			170.9 ft + 3.3 ft + 49.2 ft		
ft	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
8.2	17.4																	
9.8	17.4																	
11.5	17.4																	
13.1	17.4																	
14.8	17.4																	
16.4	17.4																	
19.7	17.4			11.5														
23.0	16.3			11.5														
26.2	15.4	12.3		11.5														
29.5	14.3	11.7		11.5			7.1			6.2								
32.8	13.4	11.0		11.5			7.1			6.2			5.3					
39.4	12.1	10.1	8.8	11.5	10.6		7.1			6.2			5.3			3.7		
45.9	10.8	9.3	8.4	11.5	9.9		7.1			6.2			5.3			3.7		
52.5	9.9	8.6	7.7	11.5	9.5	8.2	7.1	7.1		6.2	6.2		5.3			3.7		
59.1	9.0	7.9	7.5	11.0	9.0	7.7	7.1	7.1		6.2	6.2		5.3	5.3		3.7	3.7	
65.6	8.4	7.5	7.1	8.8	8.6	7.5	7.1	7.1	7.1	6.2	6.0	5.1	5.3	5.1		3.7	3.7	
72.2	7.7	7.3	7.1	7.1	8.2	7.3	6.6	7.1	7.1	6.2	5.5	4.9	5.3	4.9	4.2	3.7	3.7	3.7
78.7	7.3	7.1		5.5	7.1	7.1	5.5	6.8	6.6	5.5	5.3	4.6	5.3	4.6	4.0	3.7	3.7	3.7
85.3				4.4	5.5	6.8	4.4	5.7	6.2	4.6	5.1	4.4	4.6	4.2	4.0	3.7	3.7	3.7
91.9				3.3	4.4	5.5	3.3	4.6	5.5	3.5	4.9	4.2	3.7	4.0	3.7	3.5	3.7	3.5
98.4				2.6	3.5	4.4	2.4	3.5	4.4	2.6	3.7	4.2	2.9	4.0	3.5	2.9	3.7	3.3
105.0				1.8	2.6	3.3	1.8	2.6	3.5	2.0	2.9	3.7	2.2	3.1	3.3	2.0	3.1	3.3
111.5				1.1	1.8	2.4		2.0	2.6		2.2	2.9		2.4	3.1		2.4	3.1
118.1					1.3	1.8			2.0			2.2		1.8	2.4			2.4
124.7														1.8				

					7,496 lbs	ASME	lbs x 1,000											
36.4 – 170.9 ft	3.3 + 49.2 ft	3.3 + 49.2 ft	21.0 ft	360°														
	36.4 ft + 3.3 ft + 49.2 ft			99.2 ft + 3.3 ft + 49.2 ft			136.8 ft + 3.3 ft + 49.2 ft			148.5 ft + 3.3 ft + 49.2 ft			161.1 ft + 3.3 ft + 49.2 ft			170.9 ft + 3.3 ft + 49.2 ft		
ft	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
8.2	17.4																	
9.8	17.4																	
11.5	17.4																	
13.1	17.4																	
14.8	17.4																	
16.4	17.4																	
19.7	17.4			11.5														
23.0	16.3			11.5														
26.2	15.4	12.3		11.5														
29.5	14.3	11.7		11.5			7.1			6.2								
32.8	13.4	11.0		11.5			7.1			6.2			5.3					
39.4	12.1	10.1	8.8	11.5	10.6		7.1			6.2			5.3			3.7		
45.9	10.8	9.3	8.4	11.5	9.9		7.1			6.2			5.3			3.7		
52.5	9.9	8.6	7.7	9.3	9.5	8.2	7.1	7.1		6.2	6.2		5.3			3.7		
59.1	9.0	7.9	7.5	7.3	9.0	7.7	6.4	7.1		6.2	6.2		5.3	5.3		3.7	3.7	
65.6	8.4	7.5	7.1	5.5	7.3	7.5	4.9	6.6	7.1	5.1	6.0	5.1	5.1	5.1		3.7	3.7	
72.2	7.5	7.3	7.1	4.0	5.7	7.3	3.7	5.3	6.8	3.7	5.3	4.9	4.0	4.9	4.2	3.7	3.7	3.7
78.7	6.2	6.6		2.9	4.2	5.5	2.6	4.2	5.3	2.9	4.2	4.6	2.9	4.4	4.0	2.9	3.7	3.7
85.3				2.0	3.1	4.2		3.1	4.2		3.3	4.4		3.3	4.0		3.3	3.7
91.9					2.2	3.1		2.2	3.3		2.4	3.3		2.6	3.5		2.4	3.3
98.4						2.2			2.4			2.4			2.6			2.6
105.0						1.3												

EQUIPMENT

ÉQUIPEMENT
EQUIPAMIENTO



Equipment

Carrier

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

Outriggers: 4-point telescopic hydraulic outriggers incl. asymmetric outrigger base and automatic length detection. Controls on both sides of carrier and in superstructure cab. Outrigger base 21 ft/ 6.4 m (17.7 ft/ 5.4 m, 14.4 ft/ 4.4 m, 7.9 ft/ 2.4 m) x 25.9 ft/ 7.9 m.

Engine: Mercedes-Benz 6 cylinder model OM 470 LA (EU Stage IV / EPA Tier 4f), water-cooled diesel engine. Engine displacement 10.7 l. Rated at 435 HP (320 kW) at 1700 min⁻¹. Torque 1,549 ft-lbs/ 2100 Nm (214 kpm) at 1300 min⁻¹. Engine rating according to ECE R 120. Fuel tank: 106 gal/ 400 l. AdBlue tank: 11 gal/ 40 l.

Transmission: Main transmission: mechanical ZF AS-Tronic transmission, type 12 AS 2531, with integrated interarder, 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.

Transfer case: Two stage.

Drive: 8 x 6

Axes:

- 1st axle: steered, not driven.
- 2nd axle: steered, driven, with differential lock, transverse.
- 3rd axle: steered, driven, with differential locks longitudinal and transverse.
- 4th axle: steered, driven, with differential lock, transverse.

Suspension: Hydro-pneumatic with levelling adjustment.

Brake system: Service disk brakes: dual circuit compressed air system. ABS system. Parking brake: spring loaded type acting on 2nd, 3rd and 4th axles. Auxiliary brakes: Interarder and engine brake.

Tyres: (8) 445/95 R 25 (16.00 R 25).

Steering system: ZF-Servocom, dual circuit hydraulic steering with emergency steering pump, electro-hydraulically assisted steering of front two axles and automatic steering of the 4th axle up to a travel speed of 15.5 mph/ 25km/h. Steering of all axles possible. All axles steered hydrostatically from superstructure cab.

Carrier cab: Two man full width cab of composite (steel sheet metal and fibre-glass) structure, with safety glass, air-cushioned adjustable seats (driver's seat with heater) and engine-dependent water heater, air conditioning, radio / CD-player, complete controls and instrumentation for road travel. Cruise control with hill braking feature.

Electrical system: 24 volt DC system, 2 batteries, outrigger area lighting. Electrical system conforms with EEC regulations.

Optional equipment: (at extra charge)

Towing attachment, engine independent additional heater with engine pre-heat, 8 x 8 drive, 525/80 R 25 (20.5 R 25) tyres, spare wheel and tyre, special painting 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.

Engine: Mercedes-Benz 4 cylinder model OM 934 LA (EU Stage IV / EPA Tier 4f), water cooled diesel engine. RPM infinitely variable via foot pedal, engine displacement 5.1 l, rating 175 HP (129 kW) at 2200 min⁻¹. Torque 553 ft-lbs/ 750 Nm (77 kpm) at 1200 - 1600 min⁻¹. Engine rating according to ECE R 120. Fuel tank: 58 gal/ 220 l. AdBlue tank: 5 gal/ 19 l.

Hydraulic system: Three circuit diesel hydraulic system with 1 power controlled axial piston double pump (electro-hydraulically adjustable) and 2 gear pumps, oil cooler.

Controls: Electrical, 2 joy-stick levers for simultaneous operation of crane motions.

Telescopic boom: 6 sections, made of high tensile, fine-grained steel, consisting of 1 base section and 5 telescoping sections extended by means of a single telescopic cylinder. All telescope sections extendable hydraulically under partial load. 36.4 ft/ 11.1 m to 170.9 ft/ 52.1 m long. Boom head with 6 sheaves. Jib bracket.

Boom elevation: 1 double-acting hydraulic cylinder with integral brake and holding valve.

Main winch: Axial-piston constant 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 motor with two-stage planetary reduction with a foot actuated service and a parking brake. Speed infinitely variable 0 - 2 min⁻¹.

Counterweight: Standard 24,251 lbs/ 11.0 t, divisible. Controlled from superstructure cab.

Superstructure cab: Spacious panoramic cab of composite structure with safety (tinted) glass windows, tiltable cockpit with mechanically cushioned adjustable seat with heater, engine independent heater with engine pre-heat, air conditioning, radio / CD-player, complete controls and instrumentation for crane operation, on-site travelling and outriggers.

Electrical system: 24 volt DC system, 2 batteries.

Safety devices: Electronic load moment limiter (LMB), slewing area and working area limitation with 'Slow-Stop' feature, hoist limit switch, winch limit switch, safety valves protect against pipe and hose failures.

Dolly kit: Slewing gear unfixed & boom socket.

Optional equipment: (at extra charge)

'Lift Adjuster', jib 3.3 ft + 26.2 ft / 1 m + 8 m, 3.3 ft + 49.2 ft / 1 m + 15 m, offsets 0°, 20° and 40° or hydraulically 0°- 40°, heavy duty fly jib 1.3 ft + 4.3 ft / 0.4 m + 1.3 m, additional counterweight 12,125 lbs/ 5.5 t, selection of hook blocks, 2nd winch (same as main winch), special painting 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. Graissage centralisé.

Calage: Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement, y compris distance entre appuis asymétrique, détection de longueur automatique et commande des mouvements sur les deux côtés du porteur et depuis la cabine de la superstructure. Calage 21 ft/ 6.4 m (17.7 ft/ 5.4 m, 14.4 ft/ 4.4 m, 7.9 ft/ 2.4 m) x 25.9 ft/ 7.9 m.

Moteur: Mercedes Benz diesel 6 cylindres, modèle OM 470 LA (EU Stage IV / EPA Tier 4f), refroidi par eau, cylindrée 10,7 l, de 435 CV (320 kW) à 1700 min⁻¹. Couple: 1,549 ft-lbs/ 2100 Nm (214 kpm) à 1300 min⁻¹. Puissance selon ECE R 120. Capacité du réservoir: 106 gal/ 400 l. Capacité du réservoir AdBlue: 11 gal/ 40 l.

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.

Entraînement: 8 x 6

Essieux:

- 1^{er} essieu: directeur, non entraîné.
- 2^{ème} essieu: directeur, entraîné, blocage de différentiel transversal.
- 3^{ème} essieu: directeur, entraîné, blocage de différentiel longitudinal et transversal.
- 4^{ème} essieu: directeur, entraîné, blocage de différentiel transversal.

Suspension: Hydro-pneumatique, avec réglage de niveau.

Freins: Système de frein à disques, à air comprimé, à double circuit avec système ABS. Frein de stationnement: avec accumulateurs à ressort agissant sur le 2^{ème}, 3^{ème} et 4^{ème} essieu. Intarder et frein moteur conçus comme frein continu.

Pneus: 8 x 445/95 R 25 (16:00 R 25).

Direction: Servocom à double circuit, marque ZF. Direction mécanique du 1^{er} et 2^{ème} essieu, direction à assistance électro-hydraulique du 4^{ème} essieu jusqu'à une vitesse de 15.5 mph/ 25 km/h, avec pompe de secours pour direction. Direction de tous les essieux possible. Direction hydro-statique de tous les essieux depuis la cabine du grutier.

Cabine: Cabine bi-place, construction en matière composite fibre de verre et acier. Vitrage en verre de sécurité, siège conducteur chauffant, sièges suspendus pneumatiquement. Chauffage à eau chaude relié au moteur, climatisation, radio / CD-player. Organes de contrôle et de commande pour la conduite. Régulateur de vitesse, système automatique de freinage.

Système électrique: 24 V courant continu, 2 batteries, éclairage des points de calage. Conforme aux normes CE.

Équipement supplémentaire: (avec supplément de prix) Attache-remorque, chauffage auxiliaire indépendant du moteur avec préchauffage du moteur. Entraînement 8 x 8, 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 (EU Stage IV / EPA Tier 4f), refroidi par eau. Réglage du nombre de tours par pédale, cylindrée 5,1 l, de 175 CV (129 kW) à 2200 min⁻¹. Couple: 553 ft-lbs/ 750 Nm (77 kpm) à 1200 - 1600 min⁻¹. Puissance selon ECE R 120. Capacité du réservoir: 58 gal/ 220 l. Capacité du réservoir AdBlue: 5 gal/ 19 l.

Système hydraulique: Diesel-hydraulique à 3 circuits, 1 double pompe à pistons axiaux à régulation de puissance (à réglage électro-hydraulique) et 2 pompes à engrenages, refroidisseur d'huile.

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

Flèche télescopique: 1 flèche de base et 5 éléments télescopiques en acier fin très résistant, 1 vérin télescopique, hydrauliquement télescopables avec charge partielle. Longueur 36.4 ft/ 11,1 m à 170.9 ft/ 52,1 m. Tête de flèche avec 6 poulies.

Mécanisme de relevage: vérin différentiel muni de clapet de freinage de descente.

Mécanisme de levage: Moteur à cylindrée constante à pistons axiaux, tambour de levage avec boîte planétaire incorporée, frein d'arrêt à disques multiples à ressort, libéré lors du levage, indicateur de rotation du treuil. Câble de levage avec dispositif 'Super-Stop'.

Groupe de rotation: Moteur hydraulique avec entraînement planétaire à 2 gammes. Frein de service actionné par l'intermédiaire d'une pédale et frein d'arrêt. Vitesse de rotation 0 à 2 min⁻¹ en continu.

Contrepoids: Standard 24,251 lbs/ 11.0 t, divisible, commandés depuis la cabine du grutier.

Cabine du grutier: Cabine de grue spacieuse, construction en matière combinée acier / synthétique, avec vitrage de sécurité en verre teinté, siège chauffant, réglable et amorti mécaniquement, inclinable avec instruments de commande, chauffage auxiliaire non alimenté par le moteur, avec préchauffage du moteur, climatisation, radio / CD-player, éléments de commande et de contrôle pour travaux sur chantier, conduite et calage de la grue depuis la cabine du grutier.

Système électrique: 24 V courant continu, 2 batteries.

Dispositifs de sécurité: Contrôleur de l'état de charge (CEC) électronique, limitation de rotation et limitation de la zone de travail avec fonction « Slow-Stop », interrupteur de fin de course de levage et de treuil, soupapes de sécurité contre ruptures des conduites et flexibles.

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

Équipement supplémentaire: (avec supplément de prix) 'Lift Adjuster', rallonge de flèche 3.3 ft + 26.2 ft / 1 m + 8 m, 3.3 ft + 49.2 ft / 1 m + 15 m au choix inclinable 0°, 20° et 40° ou hydrauliquement 0° à 40°, fléchette pour levage lourde 1.3 ft + 4.3 ft / 0.4 m + 1.3 m, contrepoids additionnel 12,125 lbs/ 5,5 t, sélection de moufles inférieures, 2^{ème} treuil de levage (identique au treuil principal), peinture spéciale et inscription. Autres équipements supplémentaires sur demande.

Equipamiento

Chasis

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

Estabilización: Estabilizadores telescópicos hidráulicos 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: 21 ft/ 6.4 m (17.7 ft/ 5.4 m, 14.4 ft/ 4.4 m, 7.9 ft/ 2.4 m) x 25.9 ft/ 7.9 m.

Motor: Mercedes Benz modelo OM 470 LA (EU Stage IV / EPA Tier 4f), 6 cilindros, diesel, refrigerado por agua. Cilindrada 10,7 l. Nominal 435 CV (320 kW) a 1700 min⁻¹. Par 1,549 ft-lbs/ 2100 Nm (214 kpm) a 1300 min⁻¹. Potencia del motor según ECE R 120. Depósito de combustible: 106 gal/ 400 l. Depósito AdBlue: 11 gal/ 40 l.

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.

Divisor de fuerza: Caja de distribución (transfer) con 2 relaciones de velocidad.

Tracción: 8 x 6

Ejes:

- 1° eje: de dirección, no accionado.
- 2° eje: de dirección, accionado, con bloqueo diferencial transversal.
- 3° eje: de dirección, accionado, con bloqueo diferencial transversal y longitudinal.
- 4° eje: de dirección, accionado, con bloqueo diferencial transversal.

Suspensión de los ejes: Suspensión hidroneumática con regulación de nivel.

Frenos: Sistema de frenos de disco neumático de doble circuito con sistema antibloqueo ABS. Freno de estacionamiento del tipo freno de muelle, accionando sobre los ejes 2°, 3° y 4°. Intarder y freno motor como freno continuo.

Neumáticos: 8 x 445/95 R 25 (16.00 R 25).

Dirección: Hidráulica ZF Servocom de doble circuito. Dirección mecánica al 1° y 2° eje y direccionable al 4° eje hasta una velocidad de 15.5 mph/ 25 km/h, con asistencia electro-hidráulica. Bomba hidráulica de emergencia accionada por la transmisión. Dirección a todos los ejes. Desde la cabina de la superestructura: dirección hidrostática a todos los ejes.

Cabina del chasis: Cabina para dos personas, en construcción de acero y fibra de vidrio. Cristales de seguridad, asiento con suspensión neumática, asiento de conductor calefactado. Calefacción por agua caliente del motor, climatización, radio / CD-player. Elementos de control y manejo para circular por carretera. Regulador de velocidad, sistema automático de frenado.

Sistema eléctrico: Sistema de 24 V c.c. con dos baterías, faros de trabajo en los estabilizadores. El sistema eléctrico cumple la normativa CEEE.

Equipamiento adicional: (con suplemento de precio) Enganche de remolque, calefacción adicional con precalefacción del motor, Tracción 8 x 8, neumáticos 525/80 R 25 (20.5 R 25), rueda de repuesto, pintura especial y rotulación. Otros equipamientos sobre pedido.

Superestructura

Bastidor: Construida en aceros soldados, resistente a la torsión. Corona de giro con rodamiento de una fila de bolas con dientes externos con giro continuo a 360°. Sistema de engrase central.

Motor: Mercedes Benz modelo OM 934 LA (EU Stage IV / EPA Tier 4f), 4 cilindros, diesel, refrigerado por agua. Las revoluciones aumentan de forma gradual accionado el acelerador. Cilindrada 5,1 l. Nominal 175 CV (129 kW) a 2200 min⁻¹. Par 553 ft-lbs/ 750 Nm (77 kpm) a 1200 - 1600 min⁻¹. Potencia del motor según ECE R 120. Depósito de combustible: 58 gal/ 220 l. Depósito AdBlue: 5 gal/ 19 l.

Sistema hidráulico: Sistema hidráulico de 3 circuitos, 1 bomba doble de pistones axiales de caudal variable (regulable electro-hidráulicamente) y 2 bombas de engranajes, enfriador de aceite.

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

Pluma telescópica: 6 secciones, un tramo base y 5 telescópicos de acero de alta resistencia soldado, 1 cilindro hidráulico, los tramos se pueden telescopar hidráulicamente bajo carga parcial. Longitud de 36.4 ft/ 11,1 m a 170.9 ft/ 52,1 m. Cabeza de pluma con 7 poleas. Depósito de alargamiento de pluma.

Mecanismo de basculado: Mediante un cilindro diferencial con válvula de retención integrada.

Cabrestante principal: Motor de cilindrada constante de pistones axiales. Tambor del cabrestante con reducción planetaria y frenos de disco múltiples cargado por resorte, con sistema libre de elevación, indicador de giros del cabrestante. Cable de elevación con sistema 'Super-Stop'.

Sistema de giro: Motor hidráulico de pistones axiales con reducción planetaria de dos etapas. Freno de servicio controlado por pedal y freno de estacionamiento. Velocidad de giro variable de 0 a 2 min⁻¹.

Contrapeso: Peso total 24,251 lbs/ 11.0 t, divisible, se accionan desde la cabina de la grúa.

Cabina de la grúa: Cabina espaciosa y confortable, en construcción de acero y fibra de vidrio, con cristales tintados de seguridad. Asiento de operador regulable amortiguado mecánicamente, inclinable junto con los instrumentos y mandos, asiento calefactado. Calefacción independiente del motor y precalefacción del motor, climatización, radio / CD-player. Elementos de control y mando para el manejo de la grúa, accionamiento de estabilizadores y para el desplazamiento en obra.

Sistema eléctrico: Sistema de 24 V c.c. con dos baterías.

Dispositivos de seguridad: Limitador electrónico del momento de carga (LMC), limitador de giro y limitación del área de trabajo con función de "Slow-Stop", interruptor final de elevación, interruptor de 3 últimas vueltas en cabrestante, válvulas de seguridad para rotura de tubos y latiguillos.

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

Equipamiento adicional: (con suplemento de precio) 'Lift Adjuster', plumín de 3.3 ft + 26.2 ft / 1 m + 8 m, 3.3 ft + 49.2 ft / 1 m + 15 m, regulable opcionalmente de 0°, 20° y 40° (o hidráulicamente 0° a 40°), plumín de carga pesada de 1.3 ft + 4.3 ft / 0.4 m + 1.3 m, contrapeso adicional de 12,125 lbs 5,5 t, selección de pastecas de carga, 2° cabrestante (similar al cabrestante principal), pintura especial y rotulación. Otros equipamientos 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

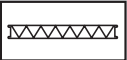
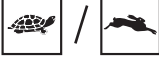
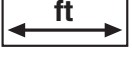
1. The rated lifting capacities conform to ASME B30.5-1.1. Capacities shown are for reference only. Please refer to the original lifting capacity charts for operations.
 2. For operation in wind, as these limits change with configuration changes, please refer to the cranes lifting capacity charts to determine safe operating limits.
 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

Illustrations and measurements in this brochure are approximations and are presented for informational and descriptive purposes only. For all lift planning and operating requirements, consult the equipment's load charts and operations manuals. Read and follow all safety precautions in these manuals and load charts for safe operation of the crane. Improper use of the equipment may cause serious or fatal bodily injury and significant property damage. Some specifications are subject to change without notice.

Les illustrations et indications de mesure doivent être considérées comme approximatives dans cette brochure et ne servent que d'information et à la compréhension. Des informations sur la prévision de course et les impératifs de fonctionnement sont données dans les tableaux de charges et les manuels d'utilisation de l'équipement. Lire et respecter toutes les mesures de sécurité indiquées dans ces manuels et les tableaux de charges afin de sécuriser le fonctionnement de la grue. Une utilisation non conforme de l'équipement peut être à l'origine de graves blessures et même de la mort et causer des dommages matériels considérables. Sous réserve de modification de quelques caractéristiques techniques sans préavis.

Las ilustraciones y las dimensiones presentadas en este folleto son aproximaciones y sólo tienen fines informativos y descriptivos. Para planificar cualquier elevación y para los requisitos operativos, consultar las tablas de carga y los manuales de operación del equipo. Leer y observar todas las precauciones de seguridad indicadas en estos manuales y estas tablas de carga para una operación segura de la grúa. El uso indebido del equipo puede causar lesiones graves o mortales y daños materiales importantes. Algunas especificaciones están sujetas a cambios sin previo aviso.

	Gross weight · Poids total · Peso total		Fly jib section · Élément de fléchette · Plumín
	Axle load · Charge à l'essieu · Carga por eje		Dolly · Chariot de transport dolly · Carro tipo dolly
	Drive · Entraînement · Tracción		Swing area · Rayon de rotation · Zona de giro
	Tyres · Pneus · Neumáticos		Superstructure lock · Verrouillage de la superstructure Bloqueo de la superestructura
	Gradeability · Capacité de gravissement de pente Superación de pendientes		Hydraulically lockable · Verrouillable hydrauliquement Con embulonamiento hidráulico
	Off road / On road · Tout-terrain / Mode "Route" Todo terreno / En carretera		Main winch · Mécanisme de levage Cabrestante principal
	Speed · Vitesse · Velocidad		Auxiliary winch · Treuil supplémentaire Cabrestante auxiliar
	Outriggers · Calage · Estabilizadores		Rated capacity Capacité nominale Capacidad nominal
	On tyres · Sur pneus · Sobre neumáticos		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 máxima del cable de elevación
	Radius · Portée · Radio		Weight · Poids · Peso
	Tiltable jib · Fléchette inclinable · Plumín regulable	US t t	= short tons · tonnes américaines · toneladas cortas = metric tons · tonnes métriques · toneladas métricas
	Hydraulically tiltable jib Fléchette inclinable hydrauliquement Plumín regulable hydrauliquement	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



TADANO AMERICA Corporation

4242 West Greens Road, Houston, TX 77066

Phone: 281-869-0030 Fax: 281-869-0040

www.tadanoamerica.com E-mail: tac.sales@tadano.com

Parts Hotline: 281-869-0033 Service Hotline: 281-869-5925