TADANO

Technical Data · North America

100th Anniversary

ATF 400G-6

450 US t / 400 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 - 7

Vehicle dimensions · Dimensions du véhicule · Dimensiones del vehículo 8 - 9

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

Axle loads · Charges par essieu · Cargas por eje 12 - 17

Speeds and gradeability · Vitesses de conduite et gravissement de pente · Velocidades y pendientes superables 18

Steering · Direction · Dirección 18

Transport · Transporto

Counterweight · Contrepoids · Contrapeso 20 - 21

Carrier counterweight · Porte-contrepoids · Depósite del contrapeso 21

Jibs · Fléchettes · Plumines 22 - 26

Hose drum for hydraulic jib · Tambour de flexible pour fléchette hydraulique · Devanadera para plumín hidráulico 26

Power System 26

Operation · Utilisation · Uso

Main boom · Flèche principale · Pluma principal 28

Swing mechanism · Groupe de rotation · Mecanismo de giro 28

Winches · Treuils · Cabrestantes 28

Hook blocks · Moufles · Pastecas de carga 28

Working ranges and lifting capacities · Rayons de travail et charges de levage · Áreas de trabajo y cargas 30 - 114

Equipment · Équipement · Equipamiento

Equipment · Équipement · Equipamiento 116 - 118

Additional information · Informations supplémentaires · Información adicional

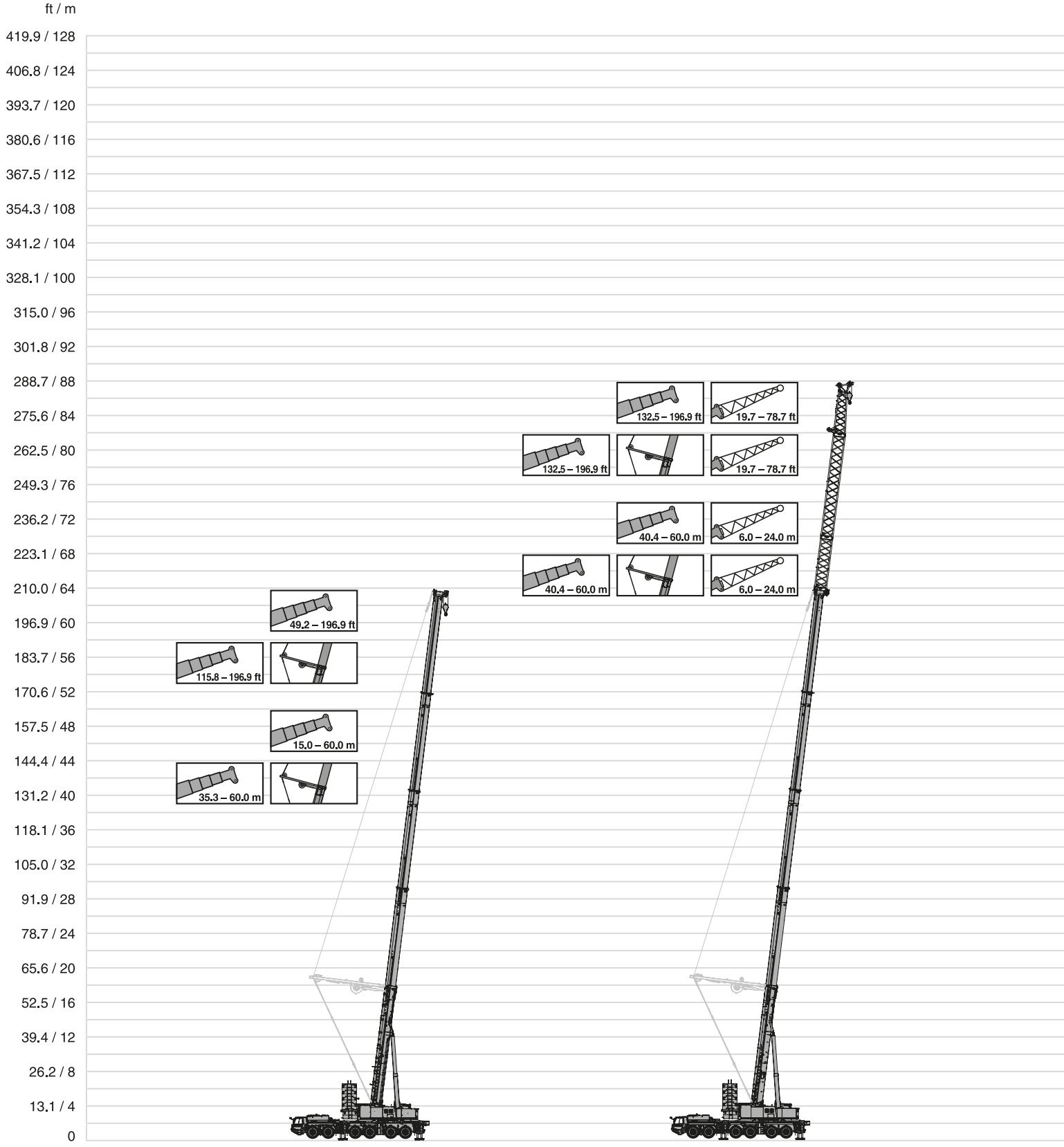
Remarks · Remarques · Notas 120

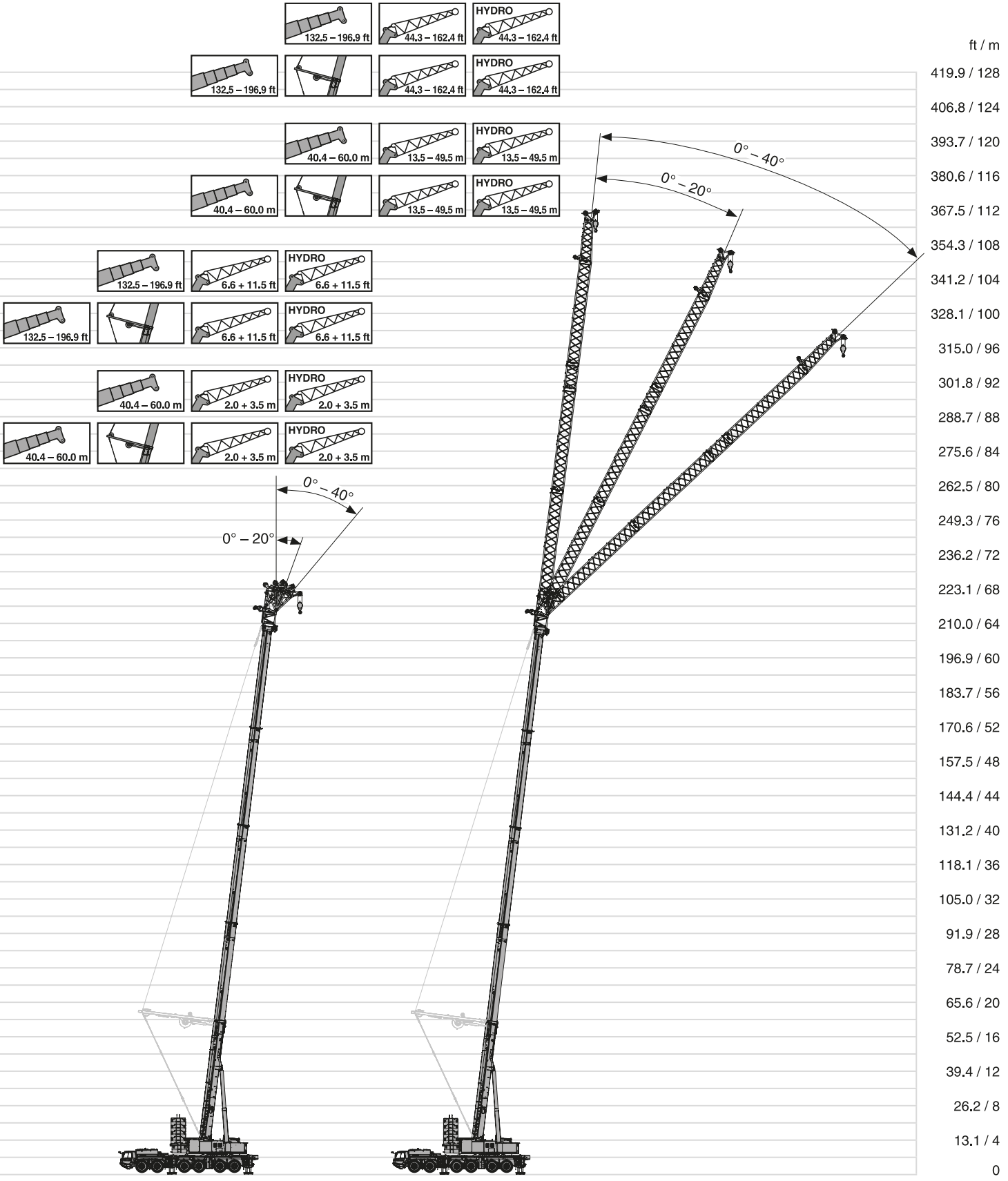
Symbols · Glossaire des symboles · Glosario de simbolos 121

GENERAL TECHNICAL DATA

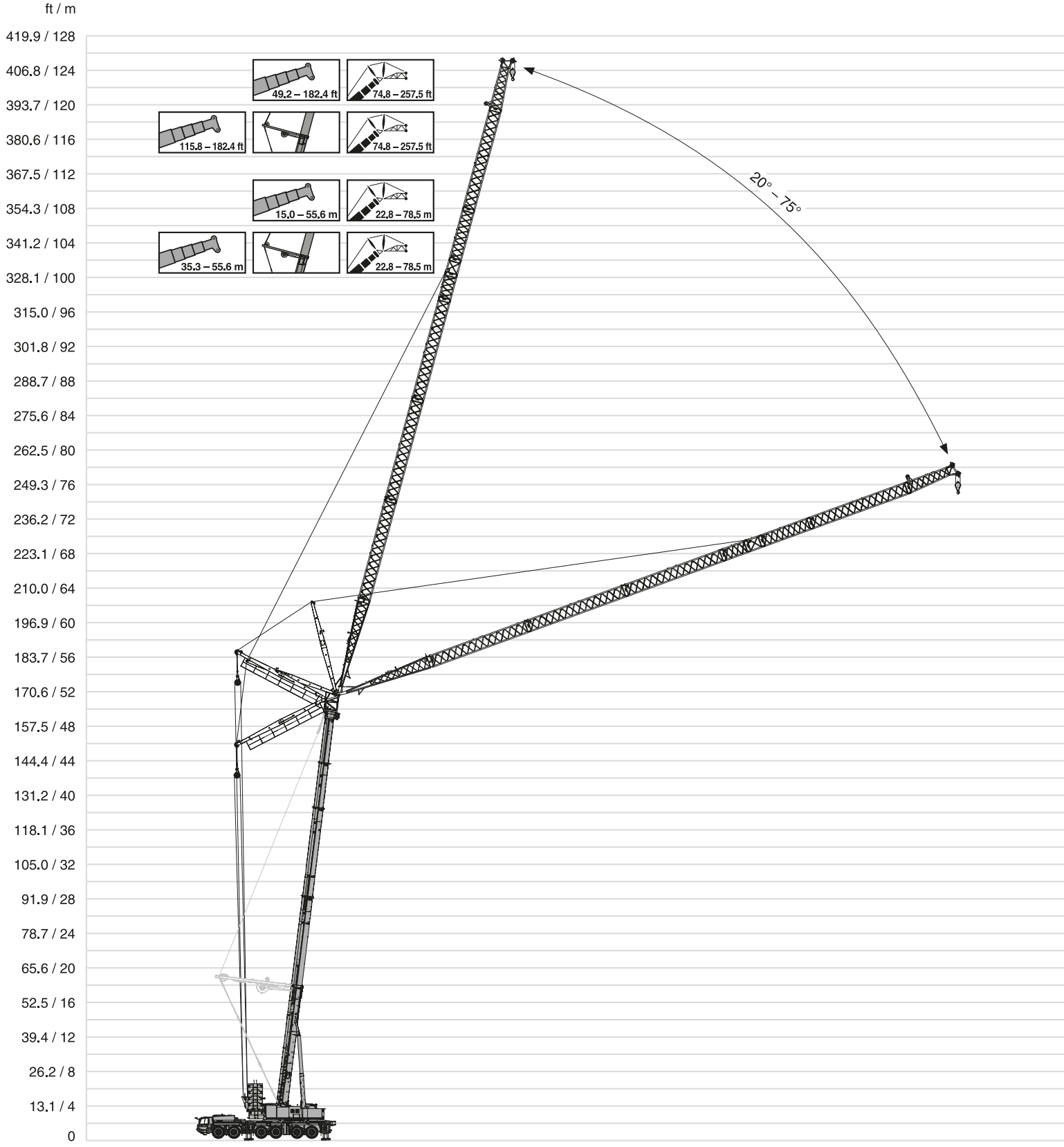
CARACTÉRISTIQUES TECHNIQUES GÉNÉRALES
DATOS TÉCNICOS GENERALES

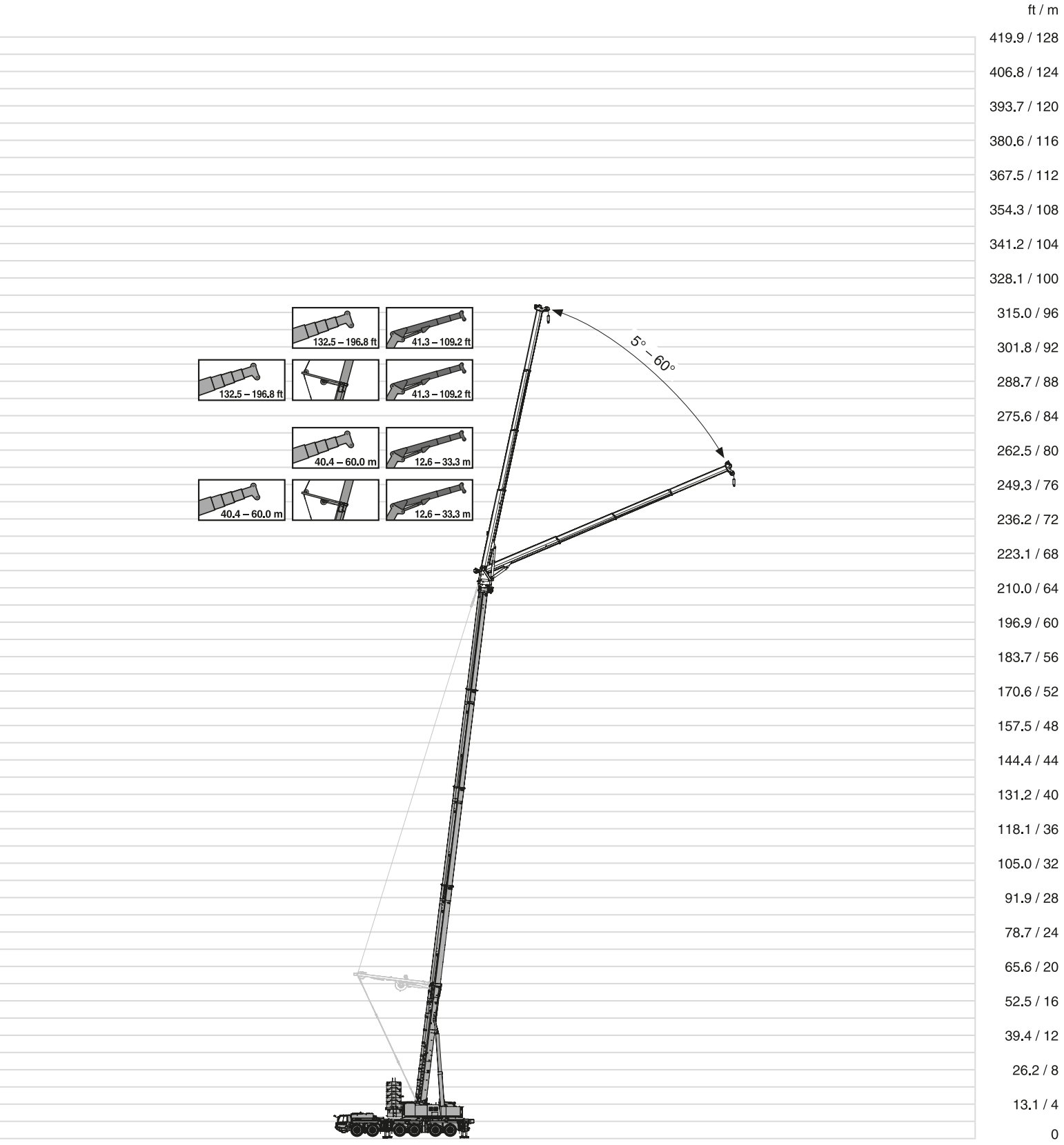
Boom systems · Systèmes de flèche · Sistema de pluma



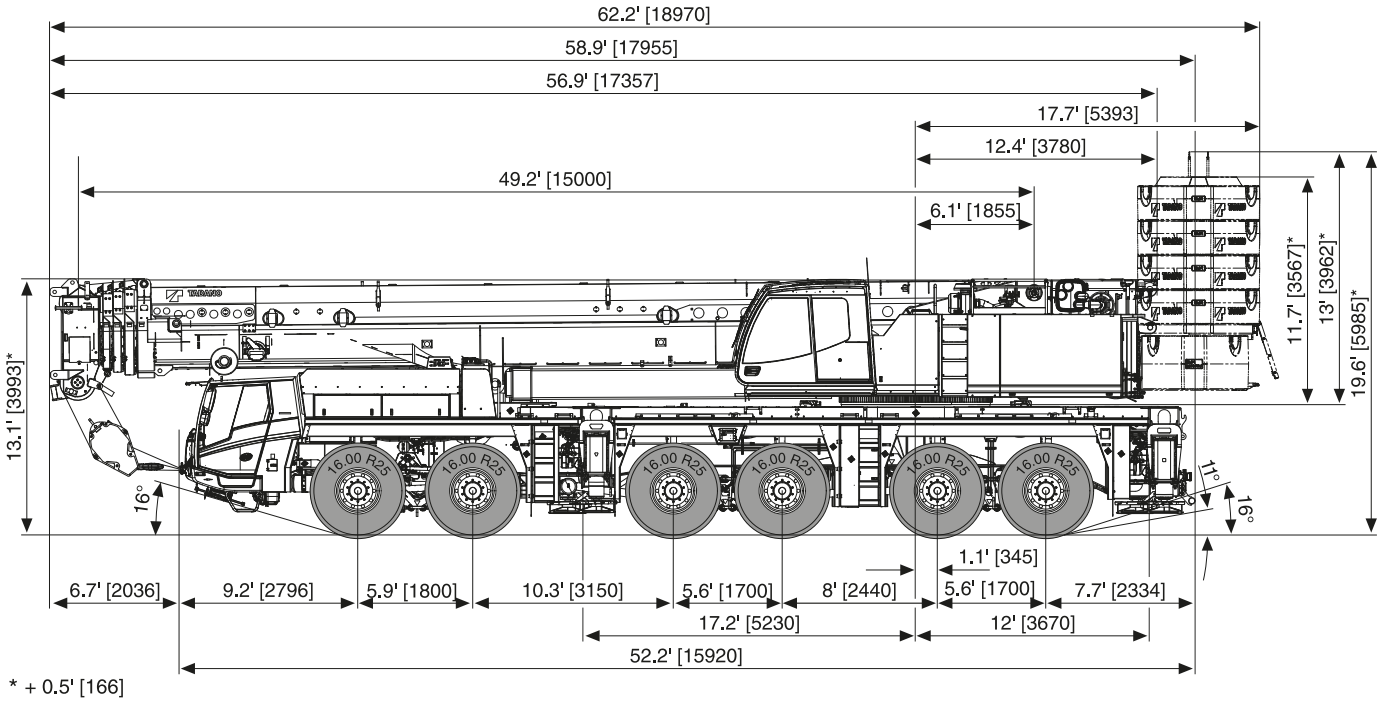

132.5 – 196.9 ft
44.3 – 162.4 ft
HYDRO
44.3 – 162.4 ft
132.5 – 196.9 ft
44.3 – 162.4 ft
HYDRO
44.3 – 162.4 ft
40.4 – 60.0 m
13.5 – 49.5 m
HYDRO
13.5 – 49.5 m
40.4 – 60.0 m
13.5 – 49.5 m
HYDRO
13.5 – 49.5 m
132.5 – 196.9 ft
6.6 + 11.5 ft
HYDRO
6.6 + 11.5 ft
132.5 – 196.9 ft
6.6 + 11.5 ft
HYDRO
6.6 + 11.5 ft
40.4 – 60.0 m
2.0 + 3.5 m
HYDRO
2.0 + 3.5 m
40.4 – 60.0 m
2.0 + 3.5 m
HYDRO
2.0 + 3.5 m
0° – 40°
0° – 20°
0° – 40°
0° – 20°
ft / m
419.9 / 128
406.8 / 124
393.7 / 120
380.6 / 116
367.5 / 112
354.3 / 108
341.2 / 104
328.1 / 100
315.0 / 96
301.8 / 92
288.7 / 88
275.6 / 84
262.5 / 80
249.3 / 76
236.2 / 72
223.1 / 68
210.0 / 64
196.9 / 60
183.7 / 56
170.6 / 52
157.5 / 48
144.4 / 44
131.2 / 40
118.1 / 36
105.0 / 32
91.9 / 28
78.7 / 24
65.6 / 20
52.5 / 16
39.4 / 12
26.2 / 8
13.1 / 4
0

Boom systems · Systèmes de flèche · Sistema de pluma

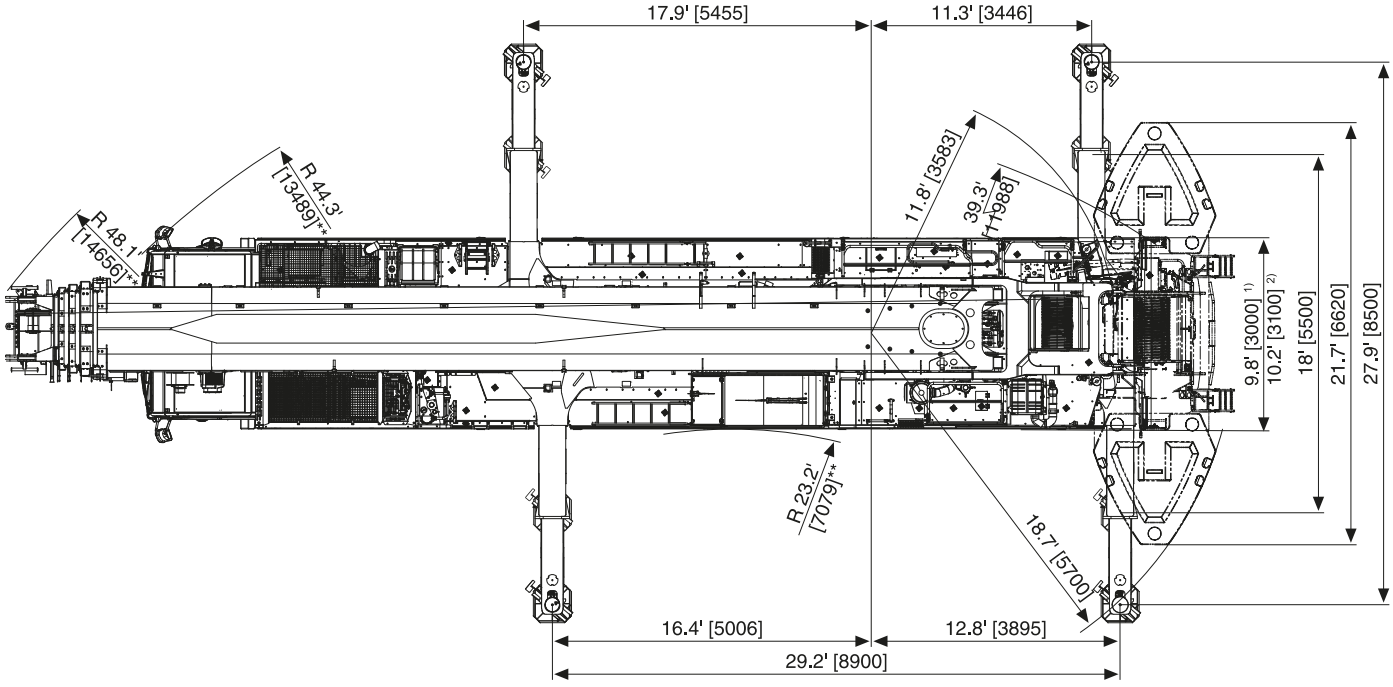



ft / m
419.9 / 128
406.8 / 124
393.7 / 120
380.6 / 116
367.5 / 112
354.3 / 108
341.2 / 104
328.1 / 100
315.0 / 96
301.8 / 92
288.7 / 88
275.6 / 84
262.5 / 80
249.3 / 76
236.2 / 72
223.1 / 68
210.0 / 64
196.9 / 60
183.7 / 56
170.6 / 52
157.5 / 48
144.4 / 44
131.2 / 40
118.1 / 36
105.0 / 32
91.9 / 28
78.7 / 24
65.6 / 20
52.5 / 16
39.4 / 12
26.2 / 8
13.1 / 4
0
132.5 – 196.8 ft
41.3 – 109.2 ft
132.5 – 196.8 ft
41.3 – 109.2 ft
40.4 – 60.0 m
12.6 – 33.3 m
40.4 – 60.0 m
12.6 – 33.3 m
5° – 60°

Vehicle dimensions · Dimensions du véhicule · Dimensiones del vehículo

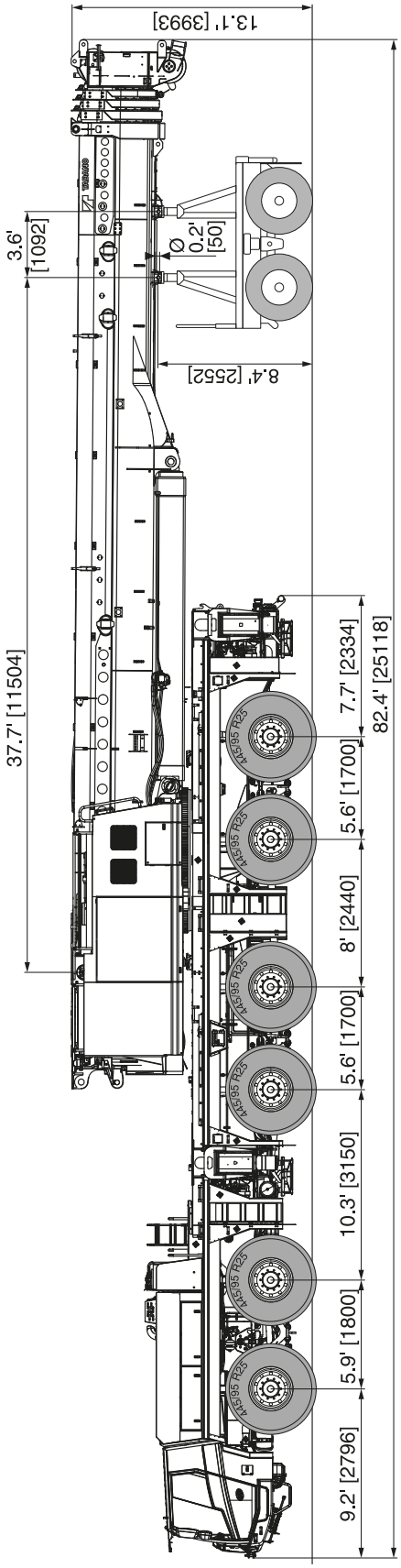


* + 0.5' [166]
\- 0.3' [100]



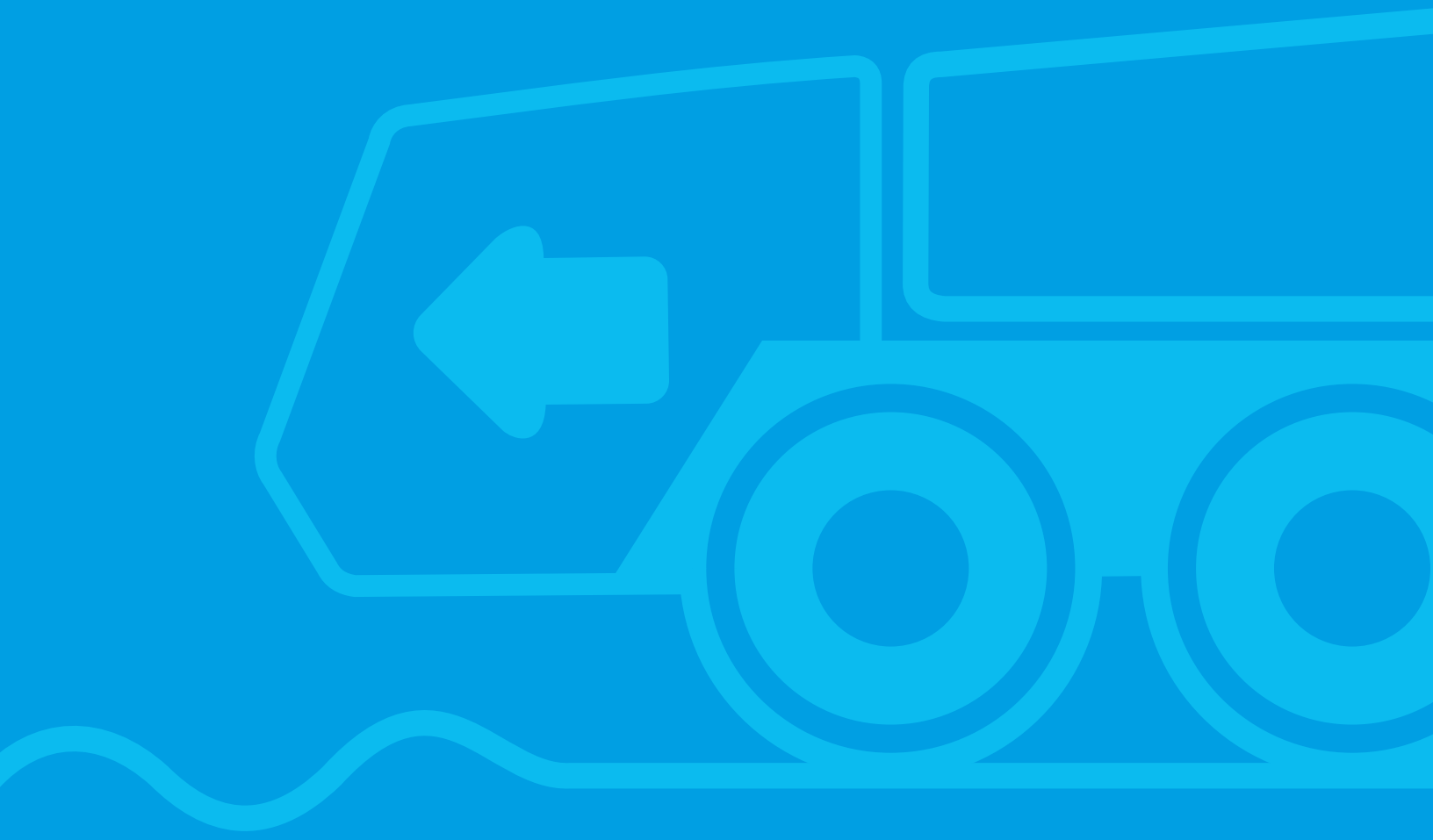
** Minimum turning radius • Rayon de braquage mini • Radio de viraje mínimo

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


13.1' [3993]
3.6'
[1092]
Ø
0.2'
[50]
8.4' [2552]
37.7' [11504]
7.7' [2334]
82.4' [25118]
5.6' [1700]
8' [2440]
5.6' [1700]
10.3' [3150]
5.9' [1800]
9.2' [2796]
425/95 R25

TECHNICAL DATA FOR ON-ROAD AND OFF-ROAD DRIVING

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



Axle loads

Boom to front		TOTAL	1	2	3	4	5	6
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	**1. Standard equipment + 2. Optional equipment + 3. Others**	**167,219/ 75849**	**23,812/ 10801**	**23,780/ 10786**	**30,050/ 13631**	**29,916/ 13570**	**29,819/ 13526**	**29,842/ 13536**
1. Standard Equipment	See page 116; no counterweight	156,340/ 70915	26,026/ 11805	26,057/ 11819	26,234/ 11900	26,099/ 11838	25,995/ 11791	25,930/ 11762
2. Optional Equipment (selection)	Tyres 525/80R25 (20.50 R25) instead of 445/95R25 (16.00 R25)	1,755/ 796	287/ 130	287/ 130	295/ 134	295/ 134	295/ 134	295/ 134
	Towing hook at rear, including couplings for lights and brake	76/ 34	-28/ -13	-28/ -13	33/ 15	33/ 15	33/ 15	34/ 15
	Toolbox at rear (without wood storage)	192/ 87	-72/ -33	-74/ -34	84/ 38	84/ 38	84/ 38	86/ 39
	Auxiliary winch including rope	6,353/ 2881	-2,351/ -1066	-2,410/ -1093	2,758/ 1251	2,758/ 1251	2,764/ 1254	2,833/ 1285
	Hose drum for hydraulic jib (detachable)	705/ 320	72/ 33	74/ 34	139/ 63	139/ 63	139/ 63	143/ 65
	Single top	248/ 113	211/ 96	216/ 98	-44/ -20	-44/ -20	-45/ -20	-46/ -21
	Hook block 13.8 US t / 12.5 t (hanging at main boom)	904/ 410	716/ 325	734/ 333	-135/ -61	-135/ -61	-136/ -62	-139/ -63
3. Others	Driver	225/ 102	162/ 73	165/ 75	-25/ -11	-25/ -11	-26/ -12	-26/ 12
	Fuel in carrier	1,138/ 516	-258/ -117	-265/ -120	412/ 187	412/ 187	413/ 187	423/ 192
	Fuel in superstructure	436/ 198	-26/ -12	-27/ -12	121/ 55	121/ 55	122/ 55	125/ 56
Additional weight information	Hook block 44.1 US t / 40 t (hanging at main boom)	1,323/ 600	1,080/ 490	1,107/ 502	-215/ -97	-215/ -97	-215/ -98	-220/ -100
	Hook block 110.2 US t / 100 t (hanging at main boom)	3,417/ 1550	2,802/ 1271	2,873/ 1303	-560/ -254	-560/ -254	-562/ -255	-575/ -261
	Hook block 176.4 US t / 160 t (hanging at main boom)	3,968/ 1800	3,268/ 1482	3,350/ 1520	-658/ -298	-658/ -298	-659/ -299	-676/ -306
	Counterweight frame	3,631/ 1647	-1,338/ -607	-1,372/ -622	1,574/ 714	1,574/ 714	1,577/ 715	1,616/ 733
	Counterweight No. 1; 16,535 lbs/7.5 t (on carrier)	15,725/ 7133	3,998/ 1814	4,099/ 1859	1,893/ 859	1,893/ 859	1,897/ 861	1,944/ 882

Axle loads

Boom over rear, supported by dolly (39.5 ft / 12.05 m m behind boom pivot point)		TOTAL	1	2	3	4	5	6	
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	**1. Standard equipment + 2. Optional equipment + 3. Others**	**167,219/ 75849**	**14,818/ 6721**	**14,560/ 6604**	**25,875/ 11737**	**25,741/ 11676**	**25,635/ 11628**	**25,554/ 11591**	**33,036/ 14985**
1. Standard Equipment	See page 116; no counterweight	156,340/ 70915	13,139/ 5960	12,846/ 5827	24,076/ 10921	23,941/ 10860	23,832/ 10810	23,714/ 10757	34,792/ 15781
2. Optional Equipment (selection)	Tyres 525/80R25 (20.50 R25) instead of 445/95R25 (16.00 R25)	1,755/ 796	287/ 130	287/ 130	295/ 134	295/ 134	295/ 134	295/ 134	0/ 0
	Towing hook for dolly, including couplings for lights and brake	76/ 34	-28/ -13	-64/ -29	33/ 15	33/ 15	33/ 15	34/ 15	0/ 0
	Toolbox at rear (without wood storage)	192/ 87	-72/ -33	-74/ -34	84/ 38	84/ 38	84/ 38	86/ 39	0/ 0
	Auxiliary winch including rope	6,353/ 2881	1,582/ 718	1,622/ 736	781/ 354	781/ 354	783/ 355	802/ 364	0/ 0
	Hose drum for hydraulic jib (detachable)	705/ 320	33/ 15	34/ 15	98/ 45	98/ 45	98/ 45	101/ 46	244/ 111
	Single top	248/ 113	-4/ -2	-4/ -2	-12/ -5	-12/ -5	-12/ -5	-12/ -5	303/ 138
	Hook block 13.8 US t / 12.5 t (hanging at main boom)	904/ 410	-17/ -8	-17/ -8	-51/ -23	-51/ -23	-51/ -23	-53/ -24	1,145/ 519
3. Others	Driver	225/ 102	162/ 73	165/ 75	-25/ -11	-25/ -11	-26/ -12	-26/ 12	0/ 0
	Fuel in carrier	1,138/ 516	-258/ -117	-265/ -120	412/ 187	412/ 187	413/ 187	423/ 192	0/ 0
	Fuel in superstructure	436/ 198	-27/ -12	-27/ -12	122/ 55	122/ 55	122/ 55	125/ 57	0/ 0
Additional weight information	Hook block 44.1 US t / 40 t (hanging at main boom)	1,323/ 600	-23/ -10	-23/ -11	-69/ -31	-69/ -31	-69/ -31	-71/ -32	1,647/ 747
	Hook block 110.2 US t / 100 t (hanging at main boom)	3,417/ 1550	-59/ -27	-61/ -28	-178/ -81	-178/ -81	-178/ -81	-183/ -83	4,254/ 1929
	Hook block 176.4 US t / 160 t (hanging at main boom)	3,968/ 1800	-69/ -31	-70/ -32	-207/ -94	-207/ -94	-207/ -94	-212/ -96	4,940/ 2241
	Counterweight frame	3,631/ 1647	899/ 408	921/ 418	449/ 204	449/ 204	450/ 204	462/ 209	0/ 0
	Counterweight No. 1; 16,535 lbs/7.5 t (on carrier)	15,725/ 7133	3,998/ 1814	4,099/ 1859	1,893/ 859	1,893/ 859	1,897/ 861	1,944/ 882	0/ 0

Charges par essieu

Flèche vers l'avant		TOTAL	1	2	3	4	5	6
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	**1. Équipement standard + 2. équipement spécial + 3. autres**	**167,219/ 75849**	**23,812/ 10801**	**23,780/ 10786**	**30,050/ 13631**	**29,916/ 13570**	**29,819/ 13526**	**29,842/ 13536**
1. Équipement standard	Voir page 117; sans contrepoids	156,340/ 70915	26,026/ 11805	26,057/ 11819	26,234/ 11900	26,099/ 11838	25,995/ 11791	25,930/ 11762
2. Équipement spécial (sélection)	Pneus 525/80R25 (20.50 R25) au lieu de 445/95R25 (16.00 R25)	1,755/ 796	287/ 130	287/ 130	295/ 134	295/ 134	295/ 134	295/ 134
	Crochet de remorquage pour chariot de transport, y compris accouplements pour éclairage et frein	76/ 34	-28/ -13	-28/ -13	33/ 15	33/ 15	33/ 15	34/ 15
	Boîte d'outillage à l'arrière de l'engin (sans boîte de rangement de bois)	192/ 87	-72/ -33	-74/ -34	84/ 38	84/ 38	84/ 38	86/ 39
	Treuil auxiliaire y compris câble métallique	6,353/ 2881	-2,351/ -1066	-2,410/ -1093	2,758/ 1251	2,758/ 1251	2,764/ 1254	2,833/ 1285
	Tambour de flexible pour rallonge de flèche hydraulique (détachable)	705/ 320	72/ 33	74/ 34	139/ 63	139/ 63	139/ 63	143/ 65
	Poulie simple	248/ 113	211/ 96	216/ 98	-44/ -20	-44/ -20	-45/ -20	-46/ -21
	Moufle 13.8 US t / 12.5 t (suspendue sur la flèche principale)	904/ 410	716/ 325	734/ 333	-135/ -61	-135/ -61	-136/ -62	-139/ -63
3. Autres	Conducteur	225/ 102	162/ 73	165/ 75	-25/ -11	-25/ -11	-26/ -12	-26/ 12
	Carburant dans le châssis	1,138/ 516	-258/ -117	-265/ -120	412/ 187	412/ 187	413/ 187	423/ 192
	Carburant dans la superstructure	436/ 198	-26/ -12	-27/ -12	121/ 55	121/ 55	122/ 55	125/ 56
Poids supplémentaires	Moufle 44.1 US t / 40 t (suspendue sur la flèche principale)	1,323/ 600	1,080/ 490	1,107/ 502	-215/ -97	-215/ -97	-215/ -98	-220/ -100
	Moufle 110.2 US t / 100 t (suspendue sur la flèche principale)	3,417/ 1550	2,802/ 1271	2,873/ 1303	-560/ -254	-560/ -254	-562/ -255	-575/ -261
	Moufle 176.4 US t / 160 t (suspendue sur la flèche principale)	3,968/ 1800	3,268/ 1482	3,350/ 1520	-658/ -298	-658/ -298	-659/ -299	-676/ -306
	Porte-contrepoids	3,631/ 1647	-1,338/ -607	-1,372/ -622	1,574/ 714	1,574/ 714	1,577/ 715	1,616/ 733
	Contrepoids n° 1; 16,535 lbs/7.5 t (sur châssis)	15,725/ 7133	3,998/ 1814	4,099/ 1859	1,893/ 859	1,893/ 859	1,897/ 861	1,944/ 882

Charges par essieu

Flèche vers l'arrière, soutenue par chariot de transport "Dolly" (39.5 ft / 12.05 m m derrière le point d'articulation de la flèche)		TOTAL	1	2	3	4	5	6	
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	**1. Équipement standard + 2. équipement spécial + 3. autres**	**167,219/ 75849**	**14,818/ 6721**	**14,560/ 6604**	**25,875/ 11737**	**25,741/ 11676**	**25,635/ 11628**	**25,554/ 11591**	**33,036/ 14985**
1. Équipement standard	Voir page 117; sans contrepoids	156,340/ 70915	13,139/ 5960	12,846/ 5827	24,076/ 10921	23,941/ 10860	23,832/ 10810	23,714/ 10757	34,792/ 15781
2. Équipement spécial (sélection)	Pneus 525/80R25 (20.50 R25) au lieu de 445/95R25 (16.00 R25)	1,755/ 796	287/ 130	287/ 130	295/ 134	295/ 134	295/ 134	295/ 134	0/ 0
	Crochet de remorquage pour chariot de transport, y compris accouplements pour éclairage et frein	76/ 34	-28/ -13	-64/ -29	33/ 15	33/ 15	33/ 15	34/ 15	0/ 0
	Boîte d'outillage à l'arrière de l'engin (sans boîte de rangement de bois)	192/ 87	-72/ -33	-74/ -34	84/ 38	84/ 38	84/ 38	86/ 39	0/ 0
	Treuil auxiliaire y compris câble métallique	6,353/ 2881	1,582/ 718	1,622/ 736	781/ 354	781/ 354	783/ 355	802/ 364	0/ 0
	Tambour de flexible pour rallonge de flèche hydraulique (détachable)	705/ 320	33/ 15	34/ 15	98/ 45	98/ 45	98/ 45	101/ 46	244/ 111
	Poulie simple	248/ 113	-4/ -2	-4/ -2	-12/ -5	-12/ -5	-12/ -5	-12/ -5	303/ 138
	Moufle 13.8 US t / 12.5 t (suspendue sur la flèche principale)	904/ 410	-17/ -8	-17/ -8	-51/ -23	-51/ -23	-51/ -23	-53/ -24	1,145/ 519
3. Autres	Conducteur	225/ 102	162/ 73	165/ 75	-25/ -11	-25/ -11	-26/ -12	-26/ 12	0/ 0
	Carburant dans le châssis	1,138/ 516	-258/ -117	-265/ -120	412/ 187	412/ 187	413/ 187	423/ 192	0/ 0
	Carburant dans la superstructure	436/ 198	-27/ -12	-27/ -12	122/ 55	122/ 55	122/ 55	125/ 57	0/ 0
Poids supplémentaires	Moufle 44.1 US t / 40 t (suspendue sur la flèche principale)	1,323/ 600	-23/ -10	-23/ -11	-69/ -31	-69/ -31	-69/ -31	-71/ -32	1,647/ 747
	Moufle 110.2 US t / 100 t (suspendue sur la flèche principale)	3,417/ 1550	-59/ -27	-61/ -28	-178/ -81	-178/ -81	-178/ -81	-183/ -83	4,254/ 1929
	Moufle 176.4 US t / 160 t (suspendue sur la flèche principale)	3,968/ 1800	-69/ -31	-70/ -32	-207/ -94	-207/ -94	-207/ -94	-212/ -96	4,940/ 2241
	Porte-contrepoids	3,631/ 1647	899/ 408	921/ 418	449/ 204	449/ 204	450/ 204	462/ 209	0/ 0
	Contrepoids n° 1; 16,535 lbs/7.5 t (sur châssis)	15,725/ 7133	3,998/ 1814	4,099/ 1859	1,893/ 859	1,893/ 859	1,897/ 861	1,944/ 882	0/ 0

Cargas por eje

Pluma dirigida hacia delante		TOTAL	1	2	3	4	5	6
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	**1. Equipamiento estándar + 2. Equipamiento especial + 3. Otros**	**167,219/ 75849**	**23,812/ 10801**	**23,780/ 10786**	**30,050/ 13631**	**29,916/ 13570**	**29,819/ 13526**	**29,842/ 13536**
1. Equipamiento estándar	Ver páginas 118; sin contrapeso	156,340/ 70915	26,026/ 11805	26,057/ 11819	26,234/ 11900	26,099/ 11838	25,995/ 11791	25,930/ 11762
2. Equipamiento especial (selección)	Neumáticos 525/80R25 (20.50 R25) en lugar de 445/95R25 (16.00 R25)	1,755/ 796	287/ 130	287/ 130	295/ 134	295/ 134	295/ 134	295/ 134
	Dispositivo de enganche para remolque, incluyendo los acoplamientos para iluminación y frenos	76/ 34	-28/ -13	-28/ -13	33/ 15	33/ 15	33/ 15	34/ 15
	Caja de herramientas en la parte trasera (sin caja para maderos)	192/ 87	-72/ -33	-74/ -34	84/ 38	84/ 38	84/ 38	86/ 39
	Torno auxiliar incluyendo el cable	6,353/ 2881	-2,351/ -1066	-2,410/ -1093	2,758/ 1251	2,758/ 1251	2,764/ 1254	2,833/ 1285
	Tambor de manguera para alargamiento de pluma hidráulico (desmontable)	705/ 320	72/ 33	74/ 34	139/ 63	139/ 63	139/ 63	143/ 65
	Rodillo antepuesto	248/ 113	211/ 96	216/ 98	-44/ -20	-44/ -20	-45/ -20	-46/ -21
	Motón 13.8 US t / 12.5 t (suspendido desde la pluma principal)	904/ 410	716/ 325	734/ 333	-135/ -61	-135/ -61	-136/ -62	-139/ -63
3. Otros	Conductor	225/ 102	162/ 73	165/ 75	-25/ -11	-25/ -11	-26/ -12	-26/ 12
	Combustible en el chasis	1,138/ 516	-258/ -117	-265/ -120	412/ 187	412/ 187	413/ 187	423/ 192
	Combustible en la superestructura	436/ 198	-26/ -12	-27/ -12	121/ 55	121/ 55	122/ 55	125/ 56
Pesos adicionales	Motón 44.1 US t / 40 t (suspendido desde la pluma principal)	1,323/ 600	1,080/ 490	1,107/ 502	-215/ -97	-215/ -97	-215/ -98	-220/ -100
	Motón 110.2 US t / 100 t (suspendido desde la pluma principal)	3,417/ 1550	2,802/ 1271	2,873/ 1303	-560/ -254	-560/ -254	-562/ -255	-575/ -261
	Motón 176.4 US t / 160 t (suspendido desde la pluma principal)	3,968/ 1800	3,268/ 1482	3,350/ 1520	-658/ -298	-658/ -298	-659/ -299	-676/ -306
	Depósito del contrapeso	3,631/ 1647	-1,338/ -607	-1,372/ -622	1,574/ 714	1,574/ 714	1,577/ 715	1,616/ 733
	Contrapeso N° 1; 16,535 lbs/7.5 t (encima del chasis)	15,725/ 7133	3,998/ 1814	4,099/ 1859	1,893/ 859	1,893/ 859	1,897/ 861	1,944/ 882

Cargas por eje

Pluma hacia atrás, apoyada por carro tipo dolly (39.5 ft / 12.05 m m detrás punto de articulación de la pluma)		TOTAL	1	2	3	4	5	6	
		lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg	lb/kg
Total	**1. Equipamiento estándar + 2. Equipamiento especial + 3. Otros**	**167,219/ 75849**	**14,818/ 6721**	**14,560/ 6604**	**25,875/ 11737**	**25,741/ 11676**	**25,635/ 11628**	**25,554/ 11591**	**33,036/ 14985**
1. Equipamiento estándar	Ver páginas 118; sin contrapeso	156,340/ 70915	13,139/ 5960	12,846/ 5827	24,076/ 10921	23,941/ 10860	23,832/ 10810	23,714/ 10757	34,792/ 15781
2. Equipamiento especial (selección)	Neumáticos 525/80R25 (20.50 R25) en lugar de 445/95R25 (16.00 R25)	1,755/ 796	287/ 130	287/ 130	295/ 134	295/ 134	295/ 134	295/ 134	0/ 0
	Dispositivo de enganche para remolque, incluyendo los acoplamientos para iluminación y frenos	76/ 34	-28/ -13	-64/ -29	33/ 15	33/ 15	33/ 15	34/ 15	0/ 0
	Caja de herramientas en la parte trasera (sin caja para maderos)	192/ 87	-72/ -33	-74/ -34	84/ 38	84/ 38	84/ 38	86/ 39	0/ 0
	Torno auxiliar incluyendo el cable	6,353/ 2881	1,582/ 718	1,622/ 736	781/ 354	781/ 354	783/ 355	802/ 364	0/ 0
	Tambor de manguera para alargamiento de pluma hidráulico (desmontable)	705/ 320	33/ 15	34/ 15	98/ 45	98/ 45	98/ 45	101/ 46	244/ 111
	Rodillo antepuesto	248/ 113	-4/ -2	-4/ -2	-12/ -5	-12/ -5	-12/ -5	-12/ -5	303/ 138
	Motón 13.8 US t / 12.5 t (suspendido desde la pluma principal)	904/ 410	-17/ -8	-17/ -8	-51/ -23	-51/ -23	-51/ -23	-53/ -24	1,145/ 519
3. Otros	Conductor	225/ 102	162/ 73	165/ 75	-25/ -11	-25/ -11	-26/ -12	-26/ 12	0/ 0
	Combustible en el chasis	1,138/ 516	-258/ -117	-265/ -120	412/ 187	412/ 187	413/ 187	423/ 192	0/ 0
	Combustible en la superestructura	436/ 198	-27/ -12	-27/ -12	122/ 55	122/ 55	122/ 55	125/ 57	0/ 0
Pesos adicionales	Motón 44.1 US t / 40 t (suspendido desde la pluma principal)	1,323/ 600	-23/ -10	-23/ -11	-69/ -31	-69/ -31	-69/ -31	-71/ -32	1,647/ 747
	Motón 110.2 US t / 100 t (suspendido desde la pluma principal)	3,417/ 1550	-59/ -27	-61/ -28	-178/ -81	-178/ -81	-178/ -81	-183/ -83	4,254/ 1929
	Motón 176.4 US t / 160 t (suspendido desde la pluma principal)	3,968/ 1800	-69/ -31	-70/ -32	-207/ -94	-207/ -94	-207/ -94	-212/ -96	4,940/ 2241
	Depósito del contrapeso	3,631/ 1647	899/ 408	921/ 418	449/ 204	449/ 204	450/ 204	462/ 209	0/ 0
	Contrapeso N° 1; 16,535 lbs/7.5 t (encima del chasis)	15,725/ 7133	3,998/ 1814	4,099/ 1859	1,893/ 859	1,893/ 859	1,897/ 861	1,944/ 882	0/ 0

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

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

445/95 R 25 525/80 R 25	52.8 mph max. 85 km/h max.	53.5 %

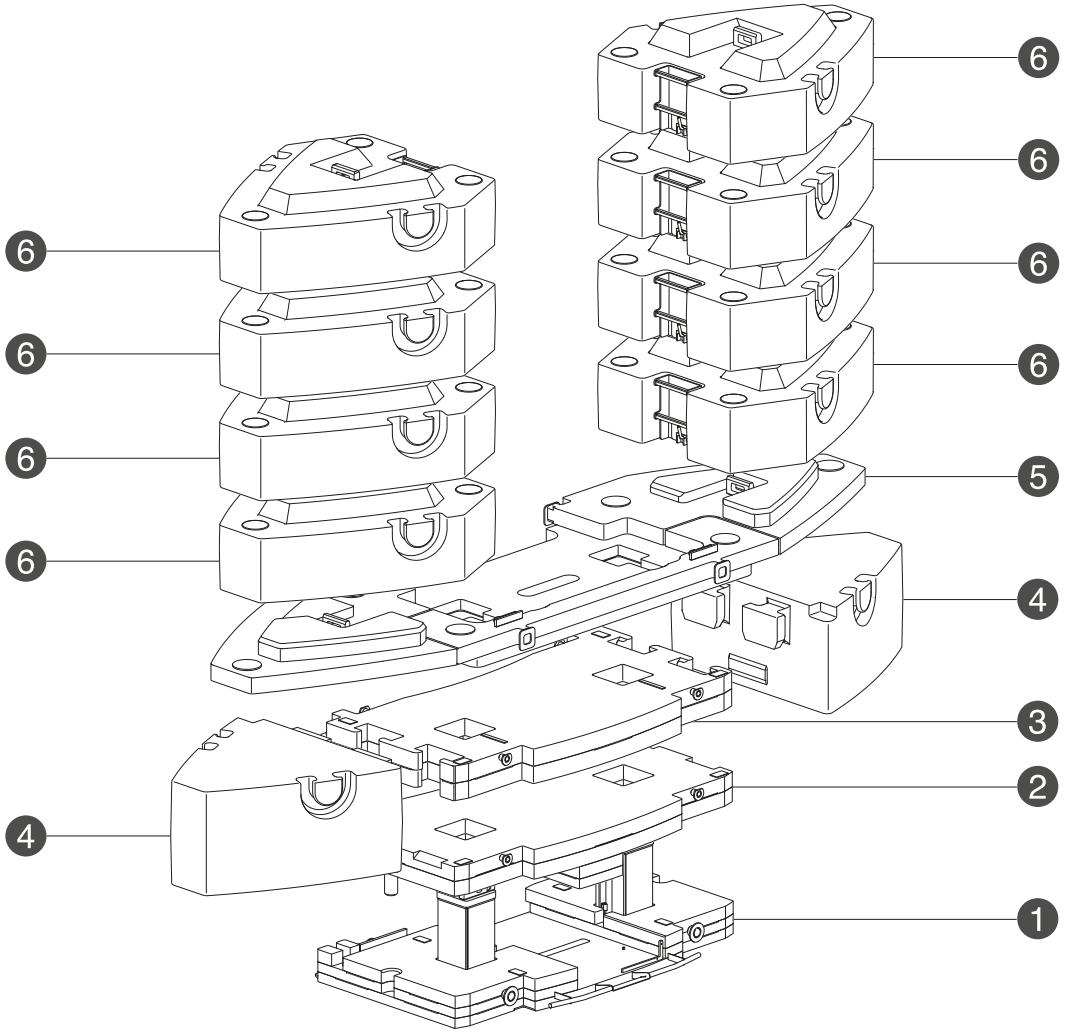
Steering · Direction · Dirección

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

TECHNICAL DATA FOR TRANSPORT

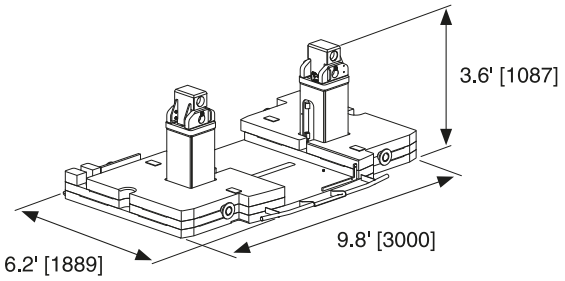
CARACTÉRISTIQUES TECHNIQUES POUR LE TRANSPORT
DATOS TÉCNICOS PARA EL TRANSPORTE

Counterweight · Contrepoids · Contrapeso



		16,535 lbs 7.5 t	36,376 lbs 16.5 t	55,116 lbs 25.0 t	79,366 lbs 36.0 t	99,208 lbs 45.0 t	123,459 lbs 56.0 t	167,551 lbs 76.0 t	211,644 lbs 96.0 t	255,736 lbs 116.0 t	299,828 lbs 136.0 t
1	16,535 lbs 7.5 t	1	1	1	1	1	1	1	1	1	1
2	19,842 lbs 9.0 t	-	1	1	1	1	1	1	1	1	1
3	18,739 lbs 8.5 t	-	-	1	1	1	1	1	1	1	1
4	22,046 lbs 10.0 t	-	-	-	-	2	2	2	2	2	2
5	24,251 lbs 11.0 t	-	-	-	1	-	1	1	1	1	1
6	22,046 lbs 10.0 t	-	-	-	-	-	-	2	4	6	8

1



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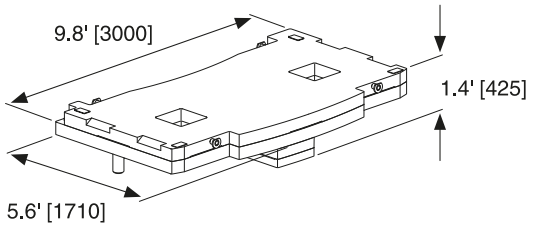

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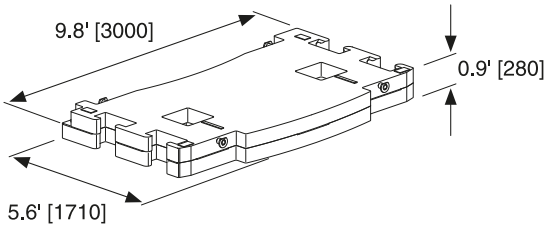

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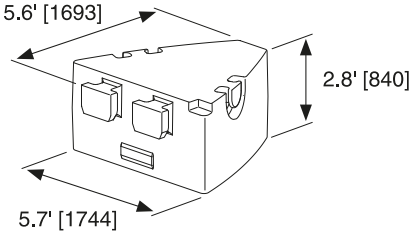

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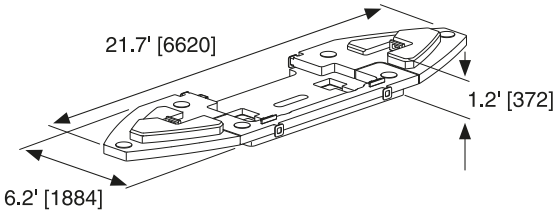

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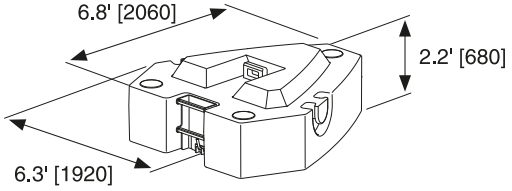
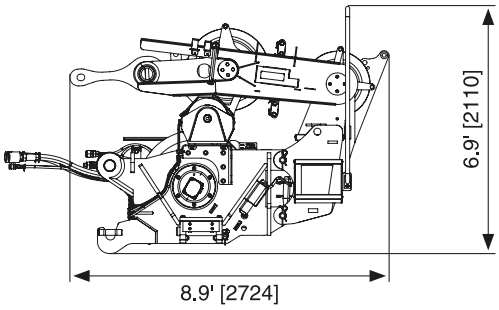
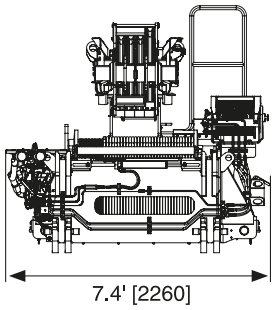


Carrier counterweight · Porte-contrepoids · Depósito del contrapeso

lbs kg

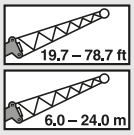
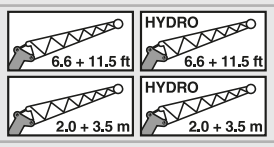
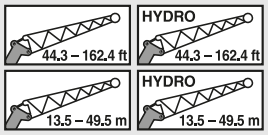
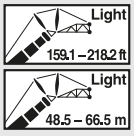
12,940* 5869.7*





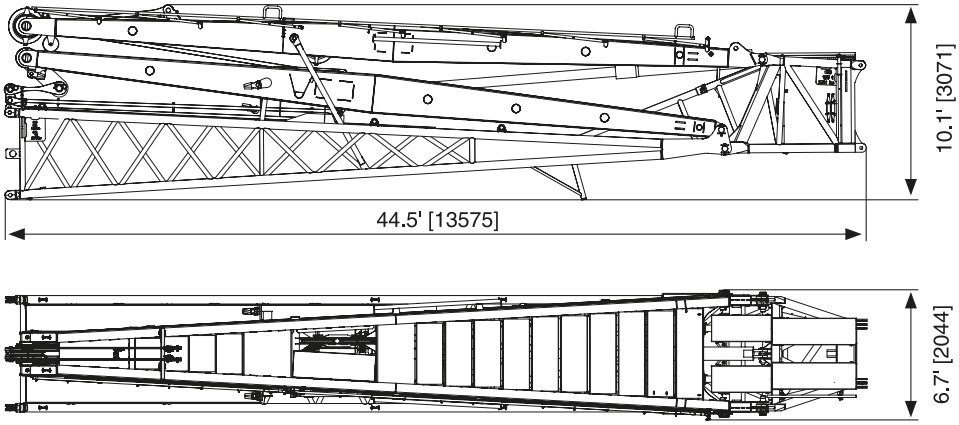
** with 2nd winch, setup winch and pulley carrier · avec 2ème treuil, treuil de montage et porte-poulie · con 2° cabrestante, cabrestante de montaje y portapoleas*

Jibs · Fléchettes · Plumines

	ft	m	
	19.7 t	6.0 m	8
	39.4 ft	12.0 m	6 + 8
	59.1 ft	18.0 m	7 + 8
	78.7 ft	24.0 m	6 + 7 + 8
	6.6 ft + 11.5 ft	2.0 m + 3.5 m	9 + 10
	6.6 ft + 37.7 ft	2.0 m + 11.5 m	9 + 4 + 8
	6.6 ft + 57.4 ft	2.0 m +17.5 m	9 + 4 + 6 + 8
	6.6 ft + 77.1 ft	2.0 m + 23.5 m	9 + 3 + 4 + 8
	6.6 ft + 96.8 ft	2.0 m + 29.5 m	9 + 3 + 4 + 6 + 8
	6.6 ft + 116.5 ft	2.0 m + 35.5 m	9 + 3 + 4 + 7 + 8
	6.6 ft + 136.2 ft	2.0 m + 41.5 m	9 + 3 + 3 + 4 + 6 + 8
	6.6 ft + 155.8 ft	2.0 m + 47.5 m	9 + 3 + 3 + 4 + 7 + 8
	8.2 ft + 66.6 ft	2.5 m + 20.3 m	1 + 4 + 8
	8.2 ft + 106.0 ft	2.5 m + 32.3 m	1 + 2 + 4 + 8
	8.2 ft + 111.5 ft	2.5 m + 34.0 m	1 + 2 + 4 + 5 + 8
	8.2 ft + 131.2 ft	2.5 m + 40.0 m	1 + 2 + 4 + 5 + 6 + 8
	8.2 ft + 150.9 ft	2.5 m + 46.0 m	1 + 2 + 3 + 4 + 5 + 8
	8.2 ft + 170.6 ft	2.5 m + 52.0 m	1 + 2 + 3 + 4 + 5 + 6 + 8
	8.2 ft + 190.3 ft	2.5 m + 58.0 m	1 + 2 + 3 + 3 + 4 + 5 + 8
	8.2 ft + 210.0 ft	2.5 m + 64.0 m	1 + 2 + 3 + 3 + 4 + 5 + 6 + 8
	8.2 ft + 229.7 ft	2.5 m + 70.0 m	1 + 2 + 3 + 3 + 4 + 5 + 7 + 8
	8.2 ft + 249.3 ft	2.5 m + 76.0 m	1 + 2 + 3 + 3 + 4 + 5 + 6 + 7 + 8
	8.2 ft + 150.9 ft	2.5 m + 46.0 m	1 + 2 + 4 + 5 + 7 + 8
	8.2 ft + 170.6 ft	2.5 m + 52.0 m	1 + 2 + 4 + 5 + 6 + 7 + 8
	8.2 ft + 190.3 ft	2.5 m + 58.0 m	1 + 2 + 3 + 4 + 5 + 7 + 8
	8.2 ft + 210.0 ft	2.5 m + 64.0 m	1 + 2 + 3 + 4 + 5 + 6 + 7 + 8

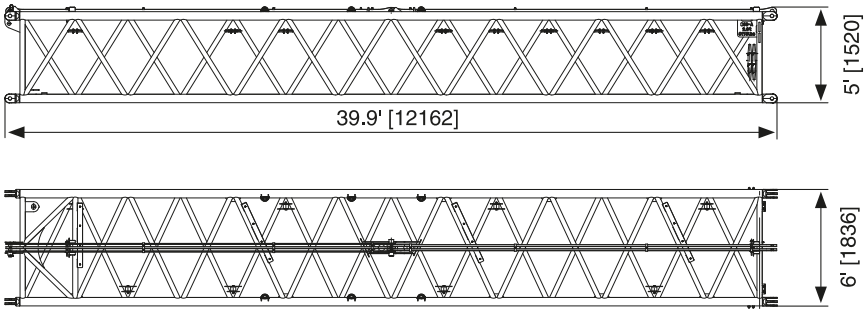
1

lbs	kg
20,199	9162



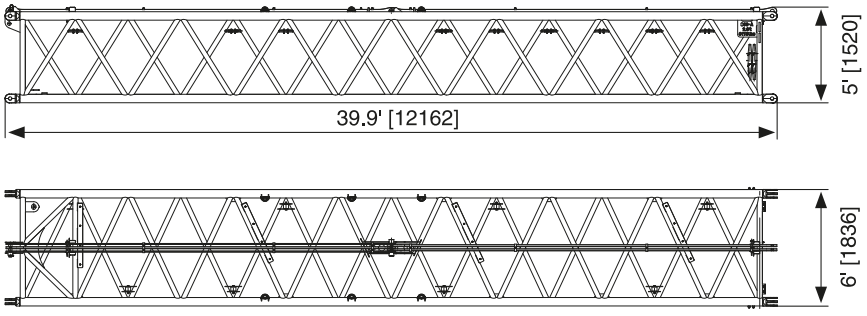
2

lbs	kg
6,058	2748



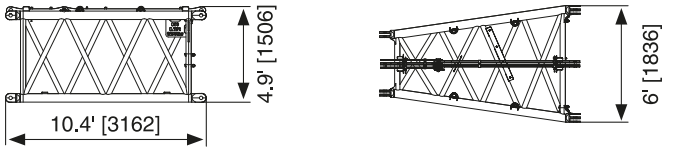
3

lbs	kg
4,564	2070



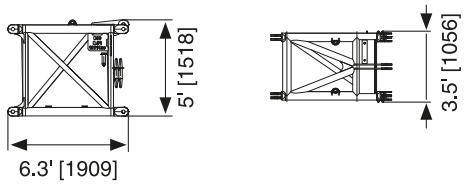
4

lbs	kg
1,579	716



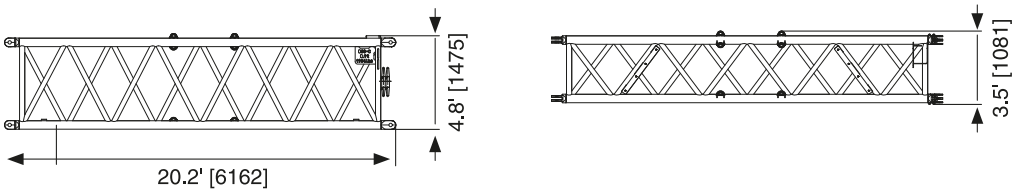
5

lbs	kg
1,323	600



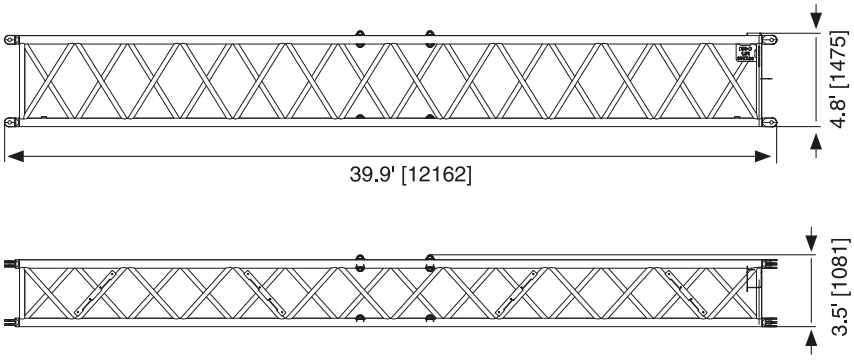
6

lbs	kg
1,984	900



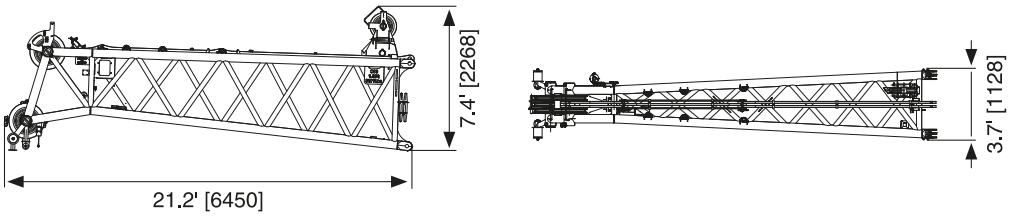
7

lbs	kg
3,408	1546



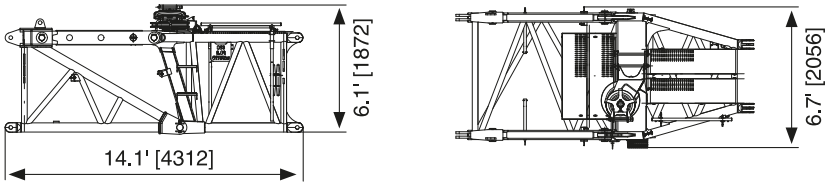
8

lbs	kg
3,155	1431



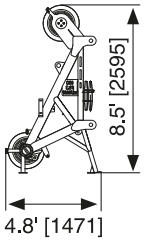
9

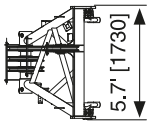
lbs	kg
4,771	2164



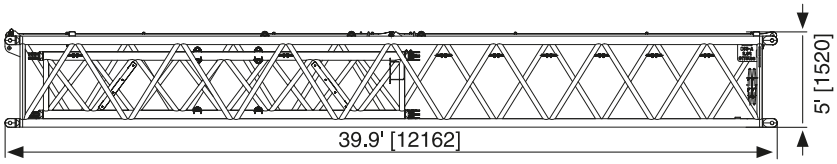
10

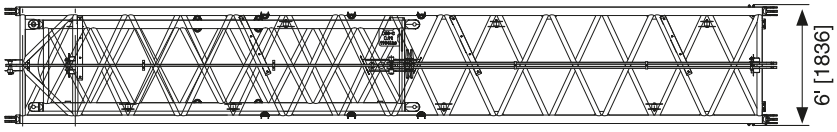
lbs	kg
1,276	579



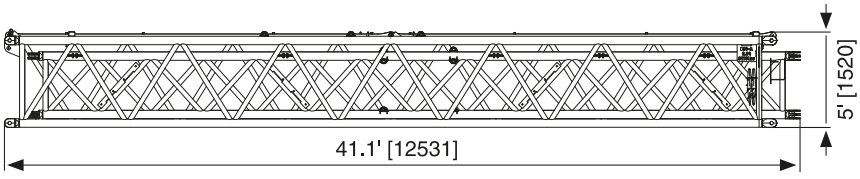


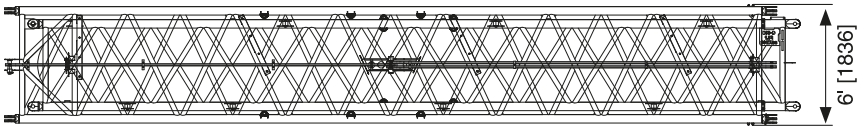
	lbs	kg
2 + 6	8,042	3648
3 + 6	6,548	2970



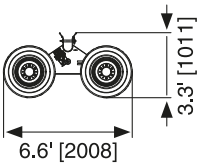


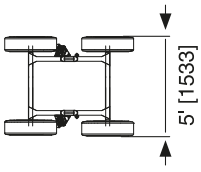
	lbs	kg
2 + 7	9,467	4294
3 + 7	7,972	3616

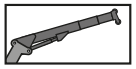




lbs	kg
899	408







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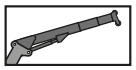

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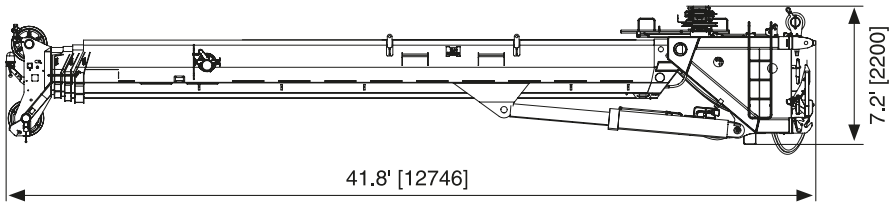
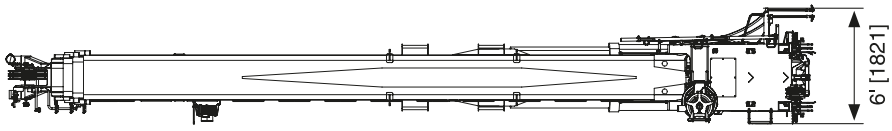
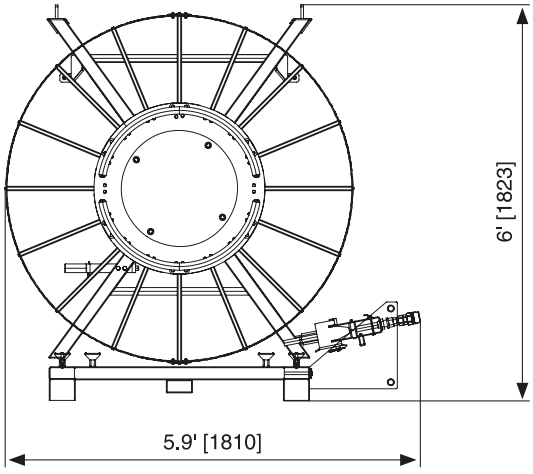


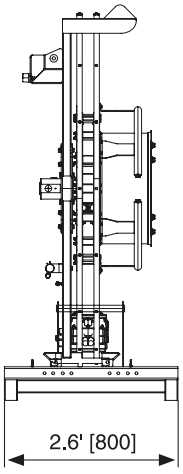


Hose drum for hydraulic jib · Tambour de flexible pour fléchette hydraulique · Devanadera para plumín hidráulico

772

350

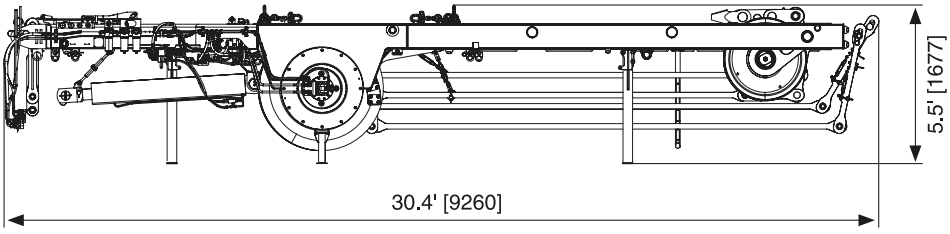


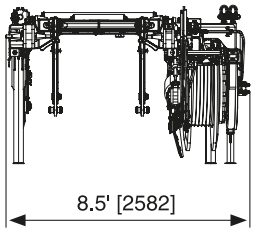


Power-System

13,823

6270





TECHNICAL DATA FOR OPERATION

CARACTÉRISTIQUES TECHNIQUES POUR L'UTILISATION
DATOS TÉCNICOS PARA EL USO

Operation · Utilisation · Uso

Main boom · Flèche principale · Pluma principal

	-0.8° – 83.5°	~ 50 s
	49.2 ft – 196.9 ft 15 m – 60 m	~ 500 s

Swing mechanism · Groupe de rotation · Mecanismo de giro

360°	0 – 1.1 min^{-1}	LOCK	0° / 180°

Winches · Treuils · Cabrestantes

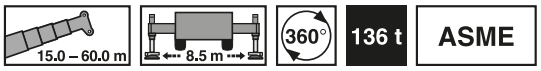
1	0 – 410.1 ft/min 0 – 125 m/min	0.91 in / 1,148.3 ft 23 mm / 350 m	26,977 lbs / 120 kN
2	0 – 442.9 ft/min 0 – 135 m/min	0.91 in / 1,902.9 ft 23 mm / 580 m	26,977 lbs / 120 kN

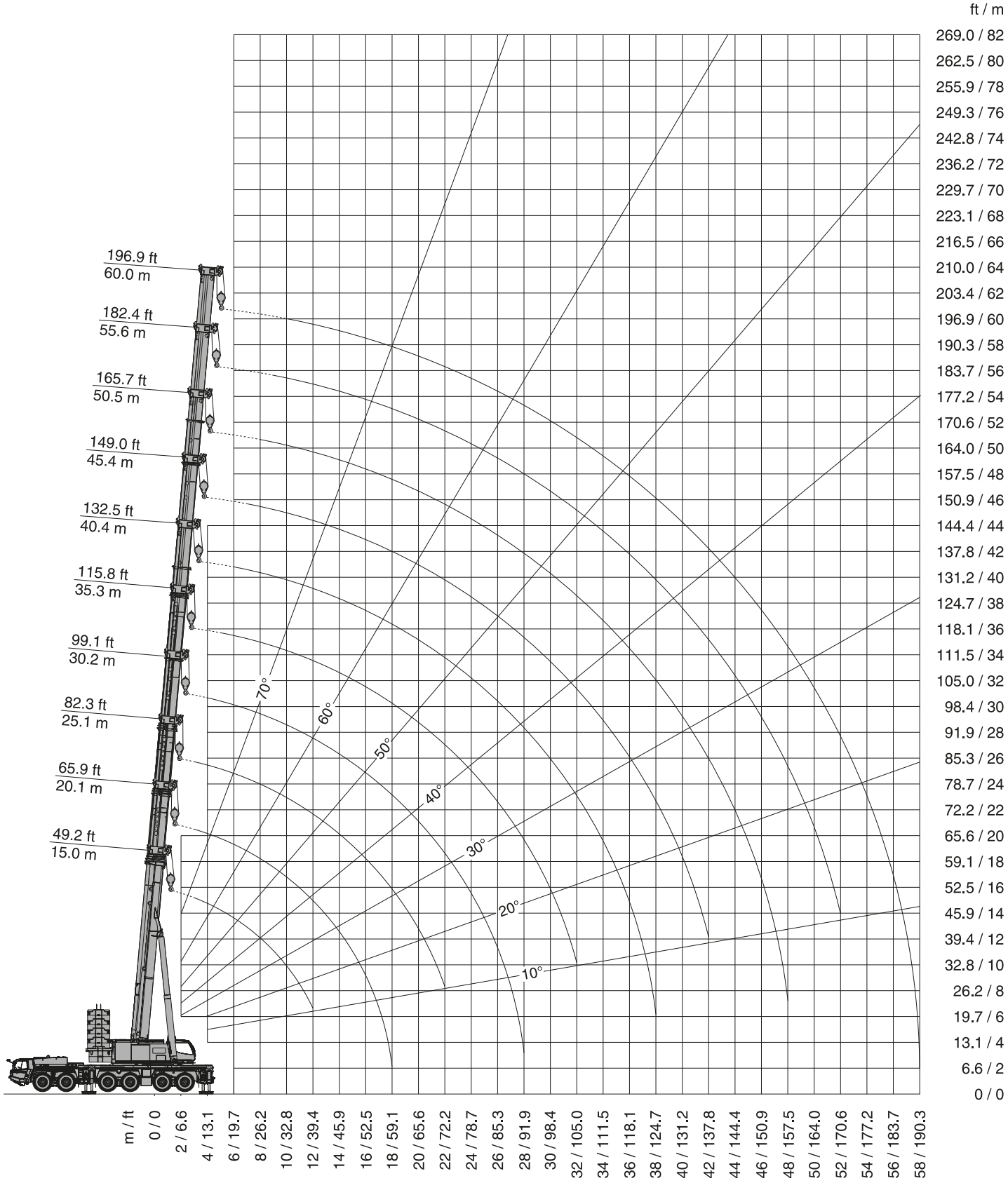
Hook blocks · Moufles · Pastecas de carga

CAP	lbs / t			lbs / kg
275.6 US t* / 250 t*	488,544 / 221.6	9	19	5,952 / 2700
220.5 US t* / 200 t*	390,438 / 177.1	7	15	5,071 / 2300
176.4 US t* / 160 t*	289,687 / 131.4	5	11	3,968 / 1800
110.2 US t* / 100 t*	186,511 / 84.6	3	7	3,417 / 1550
44.1 US t / 40 t	80,910 / 36.7	1	3	2,094 / 950
13.8 US t / 12.5 t	27,117 / 12.3	0	1	904 / 410

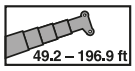
** Twin hook · Moufle avec crochet marin · Gancho doble*

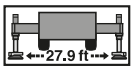
Working range · Rayon de travail · Zona de trabajo





Lifting capacities · Charges de levage · Cargas



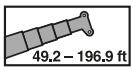


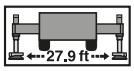
299,828 lbs **255,736 lbs** 1) **ASME**

lbs x 1,000

ft	49.2 ft*	49.2 ft	65.9 ft	82.3 ft	99.1 ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
8.9	881.8**										
9.8	793.7**	1) 440.9**	374.8**	357.1							
11.5	676.8**	440.9**	374.8**	357.1							
13.1	583.3**	440.9**	374.8**	357.1	306.4						
14.8	507.1**	430.1**	374.8**	357.1	306.4						
16.4	442.2**	403.2**	374.8**	357.1	306.4	272.1					
19.7		362.0	357.4	349.2	306.4	250.9	185.6				
23.0		325.0	321.9	311.3	282.0	227.3	185.6	157.9			
26.2		293.2	290.8	280.9	260.6	207.7	185.6	157.9	119.7		
29.5		265.4	264.6	255.7	242.1	191.1	175.3	153.2	119.7	99.2	
32.8		242.1	241.2	235.9	226.2	179.0	162.3	144.8	119.7	99.2	83.8
36.1		215.0	221.1	218.0	212.3	168.7	151.0	137.6	119.0	99.2	83.8
39.4		183.9	203.7	202.2	198.0	159.4	141.1	130.7	112.2	98.3	83.8
45.9			173.3	175.3	172.8	144.0	124.6	116.2	100.5	89.1	83.8
52.5			141.3	153.0	152.6	131.2	111.3	103.8	91.1	81.4	77.2
59.1			92.4	132.9	135.4	120.8	100.5	93.9	82.9	74.7	71.2
65.6				114.6	120.4	112.0	91.7	85.5	76.3	69.2	65.3
72.2				89.3	106.5	104.3	84.0	78.3	70.5	63.9	60.0
78.7					92.6	97.9	77.6	72.1	65.5	59.3	55.3
85.3					80.5	89.7	71.9	66.8	61.1	55.3	51.4
91.9					53.8	79.6	67.0	62.4	57.3	51.8	47.8
98.4						68.6	62.4	58.2	54.0	48.7	44.8
105.0						54.0	58.0	54.7	50.9	45.9	41.9
111.5							54.0	51.8	48.3	43.2	39.5
118.1							48.5	49.2	45.9	41.0	36.8
124.7							33.1	46.1	43.2	39.0	34.4
131.2								43.4	40.6	37.0	32.0
137.8								35.3	38.1	35.5	30.0
144.4									35.9	34.0	28.0
150.9									34.0	32.4	26.5
157.5									25.4	30.9	24.7
164.0										29.1	23.4
170.6										25.6	22.0
177.2											20.7
183.7											19.6
190.3											13.7

1) 360° Lifting capacities < 8 m working radius max. 116 t counterweight · 360° forces de levage < 8 m portée max. 116 t contrepoids
360° capacidades de elevación < 8 m radio de giro max. 116 t contrapeso
** Over rear · A l'arrière · Hacia atrás*
*** With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional*



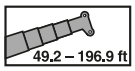


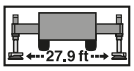
255,736 lbs **ASME**

lbs x 1,000

ft	49.2 ft	65.9 ft	82.3 ft	99.1 ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
9.8	440.9*	374.8*	357.1							
11.5	440.9*	374.8*	357.1							
13.1	440.9*	374.8*	357.1	306.4						
14.8	430.1*	374.8*	357.1	306.4						
16.4	403.2*	374.8*	357.1	306.4	272.1					
19.7	357.8	357.4	349.2	306.4	250.9	185.6				
23.0	317.9	317.2	311.3	282.0	227.3	185.6	157.9			
26.2	285.1	284.2	280.9	260.6	207.7	185.6	157.9	119.7		
29.5	257.7	256.8	255.3	242.1	191.1	175.3	153.2	119.7	99.2	
32.8	234.6	233.7	233.5	226.2	179.0	162.3	144.8	119.7	99.2	83.8
36.1	215.0	213.8	213.8	212.3	168.7	151.0	137.6	119.0	99.2	83.8
39.4	183.9	196.9	196.9	197.1	159.4	141.1	130.7	112.2	98.3	83.8
45.9		168.9	168.7	169.1	144.0	124.6	116.2	100.5	89.1	83.8
52.5		141.3	145.9	146.2	131.2	111.3	103.8	91.1	81.4	77.2
59.1		92.4	129.9	128.1	120.8	100.5	93.9	82.9	74.7	71.2
65.6			112.4	110.5	112.0	91.7	85.5	76.3	69.2	65.3
72.2			89.3	96.6	99.0	84.0	78.3	70.5	63.9	60.0
78.7				88.8	87.5	77.6	72.1	65.5	59.3	55.3
85.3				80.5	78.3	71.9	66.8	61.1	55.3	51.4
91.9				53.8	70.5	67.0	62.4	57.3	51.8	47.8
98.4					63.9	61.9	58.2	54.0	48.7	44.8
105.0					54.0	56.2	54.7	50.9	45.9	41.9
111.5						50.9	51.8	48.3	43.2	39.5
118.1						46.5	48.3	45.9	41.0	36.8
124.7						33.1	44.3	43.2	39.0	34.4
131.2							40.8	40.6	37.0	32.0
137.8							35.3	37.5	35.5	30.0
144.4								34.6	34.0	28.0
150.9								32.2	32.4	26.5
157.5								25.4	30.4	24.7
164.0									28.2	23.4
170.6									25.6	22.0
177.2										20.7
183.7										19.6
190.3										13.7

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



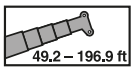


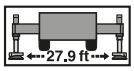
211,644 lbs **ASME**

lbs x 1,000

ft	49.2 ft	65.9 ft	82.3 ft	99.1 ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
9.8	440.9*	374.8*	357.1							
11.5	440.9*	374.8*	357.1							
13.1	440.9*	374.8*	357.1	306.4						
14.8	425.3*	374.8*	357.1	306.4						
16.4	398.2*	374.8*	357.1	306.4	272.1					
19.7	348.3	347.4	346.1	306.4	250.9	185.6				
23.0	308.4	307.8	306.2	282.0	227.3	185.6	157.9			
26.2	276.0	275.1	273.6	260.6	207.7	185.6	157.9	119.7		
29.5	248.9	248.0	248.0	242.1	191.1	175.3	153.2	119.7	99.2	
32.8	226.2	225.3	225.3	225.8	179.0	162.3	144.8	119.7	99.2	83.8
36.1	206.1	205.3	205.0	205.5	168.7	151.0	137.6	119.0	99.2	83.8
39.4	183.9	187.6	187.4	187.8	159.4	141.1	130.7	112.2	98.3	83.8
45.9		158.5	160.5	158.7	144.0	124.6	116.2	100.5	89.1	83.8
52.5		130.5	132.5	130.5	131.2	111.3	103.8	91.1	81.4	77.2
59.1		92.4	112.0	110.2	112.7	100.5	93.9	82.9	74.7	71.2
65.6			96.6	98.8	96.8	91.7	85.5	76.3	69.2	65.3
72.2			84.4	86.6	84.7	83.1	78.3	70.5	63.9	60.0
78.7				76.7	74.5	72.8	72.1	65.5	59.3	55.3
85.3				68.3	65.9	64.4	65.3	61.1	55.3	51.4
91.9				53.8	59.1	57.1	59.1	57.3	51.8	47.8
98.4					53.1	51.1	52.9	52.9	48.7	44.8
105.0					48.1	45.9	47.8	47.8	45.9	41.9
111.5						41.4	43.2	43.2	43.2	39.5
118.1						37.7	39.5	39.2	40.1	36.8
124.7						33.1	35.9	36.2	36.6	34.4
131.2							32.8	34.4	33.5	32.0
137.8							30.2	32.4	30.6	30.0
144.4								29.8	28.2	28.0
150.9								27.8	26.0	26.0
157.5								25.4	24.0	24.0
164.0									22.0	22.0
170.6									20.5	20.5
177.2										19.0
183.7										17.4
190.3										13.7

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



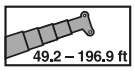


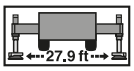
167,551 lbs **ASME**

lbs x 1,000

ft	49.2 ft	65.9 ft	82.3 ft	99.1 ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
9.8	440.9*	374.8*	357.1							
11.5	440.9*	374.8*	357.1							
13.1	440.9*	374.8*	357.1	306.4						
14.8	416.7*	374.8*	357.1	306.4						
16.4	387.1*	374.8*	357.1	306.4	272.1					
19.7	337.7	336.9	335.5	306.4	250.9	185.6				
23.0	298.3	297.4	296.1	282.0	227.3	185.6	157.9			
26.2	266.3	265.4	265.2	260.6	207.7	185.6	157.9	119.7		
29.5	237.9	237.0	237.0	237.4	191.1	175.3	153.2	119.7	99.2	
32.8	214.3	213.2	213.2	211.0	179.0	162.3	144.8	119.7	99.2	83.8
36.1	194.4	193.3	193.1	186.7	168.7	151.0	137.6	119.0	99.2	83.8
39.4	170.6	169.3	171.5	167.1	159.4	141.1	130.7	112.2	98.3	83.8
45.9		134.0	136.0	134.3	135.6	124.6	116.2	100.5	89.1	83.8
52.5		114.0	111.8	114.4	112.7	108.9	103.8	91.1	81.4	77.2
59.1		92.4	97.2	96.6	94.8	93.3	92.2	82.9	74.7	71.2
65.6			83.6	82.7	80.7	78.9	80.0	76.3	69.2	65.3
72.2			72.8	71.7	69.4	67.9	69.9	70.1	63.9	60.0
78.7				62.8	60.6	58.9	60.8	61.1	59.3	55.3
85.3				55.8	53.4	51.6	53.6	53.6	54.5	51.4
91.9				50.0	47.4	45.4	47.4	48.5	48.3	47.8
98.4					42.3	40.3	42.3	44.8	43.2	43.4
105.0					38.1	38.1	38.8	40.1	38.6	38.8
111.5						36.2	36.6	36.4	34.6	35.1
118.1						34.4	34.0	32.8	31.3	31.5
124.7						32.4	30.9	29.8	28.2	28.4
131.2							28.2	27.1	25.6	25.8
137.8							26.0	24.7	23.1	23.4
144.4								22.7	20.9	21.2
150.9								20.7	19.0	19.2
157.5								19.2	17.2	17.4
164.0									15.7	15.9
170.6									14.3	14.3
177.2										13.0
183.7										11.9
190.3										10.8

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





123,459 lbs **ASME**

lbs x 1,000

ft	49.2 ft	65.9 ft	82.3 ft	99.1 ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
9.8	440.9*	374.8*	357.1							
11.5	440.9*	374.8*	357.1							
13.1	437.6*	374.8*	357.1	306.4						
14.8	404.1*	374.8*	357.1	306.4						
16.4	374.8*	373.9*	357.1	306.4	272.1					
19.7	325.8	325.0	323.6	306.4	250.9	185.6				
23.0	285.1	284.2	284.2	272.7	227.3	185.6	157.9			
26.2	251.1	250.0	243.2	228.6	207.7	185.6	157.9	119.7		
29.5	223.1	220.5	210.1	195.8	189.4	175.3	153.2	119.7	99.2	
32.8	187.4	186.1	182.5	170.6	166.0	156.1	144.8	119.7	99.2	83.8
36.1	160.7	159.6	160.7	156.7	147.5	138.9	134.5	119.0	99.2	83.8
39.4	140.2	143.5	141.3	140.4	132.1	124.6	121.3	112.2	98.3	83.8
45.9		113.5	114.9	114.4	108.7	102.5	101.4	98.1	89.1	83.8
52.5		92.2	93.5	92.8	90.6	85.8	85.5	82.9	81.4	77.2
59.1		77.2	77.8	77.2	75.0	72.8	73.0	71.7	69.9	68.3
65.6			65.9	65.0	62.8	61.1	63.1	64.4	60.6	59.5
72.2			57.3	55.6	53.4	53.1	56.0	56.4	53.1	52.2
78.7				50.7	45.9	49.2	49.8	48.7	47.0	46.1
85.3				45.0	40.6	44.5	43.4	42.5	41.0	41.0
91.9				40.3	37.9	39.5	38.4	37.3	35.7	36.2
98.4					35.1	35.1	34.0	33.1	31.3	31.7
105.0					31.7	31.3	30.2	29.3	27.6	28.0
111.5						28.2	27.1	26.0	24.5	24.7
118.1						25.6	24.3	23.1	21.6	21.8
124.7						23.4	21.8	20.7	19.2	19.4
131.2							19.6	18.5	17.0	17.2
137.8							17.9	16.5	15.0	15.2
144.4								15.0	13.2	13.4
150.9								13.4	11.7	11.9
157.5								12.1	10.4	10.4
164.0									9.0	9.0
170.6									7.9	7.9
177.2										6.8
183.7										6.0
190.3										5.1

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

49.2 – 196.9 ft | 27.9 ft | 360° | **99,208 lbs** | **ASME**

lbs x 1,000

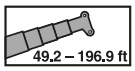
ft	49.2 ft	65.9 ft	82.3 ft	99.1 ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
9.8	440.9*	374.8*	357.1							
11.5	440.9*	374.8*	357.1							
13.1	430.6*	374.8*	357.1	306.4						
14.8	397.1*	374.8*	357.1	306.4						
16.4	367.7*	366.8*	357.1	306.4	272.1					
19.7	317.9	317.0	315.3	302.5	250.9	185.6				
23.0	275.6	274.7	263.7	245.4	227.3	185.6	157.9			
26.2	242.1	234.8	221.8	205.3	197.1	183.6	157.9	119.7		
29.5	198.2	196.9	188.7	179.7	170.0	159.0	152.8	119.7	99.2	
32.8	166.0	164.9	163.6	159.0	148.8	139.6	134.7	119.7	99.2	83.8
36.1	142.2	145.5	143.3	140.7	131.8	123.9	120.2	116.6	99.2	83.8
39.4	123.9	127.0	128.3	125.7	117.9	110.7	108.9	104.7	98.3	83.8
45.9		100.1	101.4	101.0	95.7	89.7	89.1	86.0	84.2	82.0
52.5		81.6	82.9	82.2	79.6	74.5	74.5	75.2	70.8	69.2
59.1		67.5	68.6	67.5	65.0	63.3	67.5	64.4	60.4	59.1
65.6			57.8	59.3	54.2	57.8	58.4	55.8	52.2	51.1
72.2			49.6	50.7	47.4	50.9	49.8	48.7	45.4	44.5
78.7				44.1	43.7	43.9	42.8	41.9	39.9	39.2
85.3				38.6	38.1	38.4	37.3	36.2	34.6	34.6
91.9				34.6	33.5	33.7	32.6	31.5	30.0	30.4
98.4					29.8	29.8	28.7	27.6	26.0	26.5
105.0					26.7	26.5	25.4	24.3	22.7	22.9
111.5						23.6	22.5	21.4	19.8	20.1
118.1						21.2	19.8	19.0	17.2	17.6
124.7						19.2	17.9	16.8	15.0	15.2
131.2							15.9	14.8	13.0	13.2
137.8							14.3	13.0	11.5	11.5
144.4								11.5	9.9	9.9
150.9								10.1	8.4	8.6
157.5								9.0	7.3	7.3
164.0									6.0	6.2
170.6									5.1	5.1
177.2										4.2
183.7										3.3

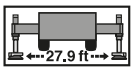
49.2 – 196.9 ft | 27.9 ft | 360° | **79,366 lbs** | **ASME**

lbs x 1,000

ft	49.2 ft	65.9 ft	82.3 ft	99.1 ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
9.8	440.9*	374.8*	357.1							
11.5	440.9*	374.8*	357.1							
13.1	423.5*	374.8*	357.1	306.4						
14.8	390.2*	374.8*	357.1	306.4						
16.4	360.9	360.2	357.1	306.4	272.1					
19.7	308.2	307.1	289.2	264.8	242.1	185.6				
23.0	266.5	250.4	234.1	214.3	203.9	185.6	157.9			
26.2	215.8	204.6	193.8	185.6	172.0	159.6	152.6	119.7		
29.5	175.0	172.4	164.5	159.0	147.9	137.8	133.6	119.7	99.2	
32.8	146.4	149.9	146.6	138.5	128.5	119.7	116.6	111.3	99.2	83.8
36.1	125.0	128.3	128.5	121.3	112.7	104.9	103.2	101.2	95.9	83.8
39.4	108.5	111.8	113.1	107.4	99.9	93.0	91.9	91.5	86.0	83.3
45.9		86.4	88.0	86.4	80.2	77.6	79.1	75.2	70.3	68.6
52.5		68.3	70.1	71.7	66.1	69.7	66.1	62.8	58.9	57.3
59.1		56.2	57.3	59.1	56.9	59.3	56.2	53.4	49.8	48.7
65.6			47.8	49.4	49.2	49.8	48.5	45.9	42.5	41.7
72.2			40.8	42.1	41.7	42.1	41.0	39.7	36.8	35.9
78.7				36.2	35.7	36.2	35.1	34.0	31.7	31.3
85.3				31.5	31.1	31.3	30.2	29.1	27.6	27.1
91.9				28.0	27.1	27.1	26.0	25.1	23.6	23.8
98.4					23.8	23.8	22.7	21.6	20.1	20.3
105.0					21.2	20.9	19.8	18.7	17.2	17.4
111.5						18.5	17.2	16.1	14.6	14.8
118.1						16.3	15.0	14.1	12.3	12.6
124.7						14.8	13.2	12.1	10.6	10.8
131.2							11.5	10.4	8.8	9.0
137.8							10.1	8.8	7.3	7.5
144.4								7.5	6.0	6.2
150.9								6.4	4.6	4.9
157.5								5.5	3.5	3.7

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

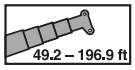


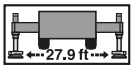


55,116 lbs **ASME**

lbs x 1,000

ft	49.2 ft	65.9 ft	82.3 ft	99.1 ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
9.8	440.9*	374.8*	357.1							
11.5	440.9*	374.8*	357.1							
13.1	414.9*	374.8*	357.1	306.4						
14.8	381.6*	374.8*	357.1	306.4						
16.4	349.4	348.6	319.4	289.7	259.7					
19.7	296.3	269.2	247.4	228.6	209.7	185.6				
23.0	233.5	210.3	197.1	187.2	171.3	157.4	149.9			
26.2	184.7	177.7	167.6	155.6	142.4	130.7	126.1	119.0		
29.5	149.5	148.4	140.4	131.0	120.4	110.9	111.6	106.0	98.5	
32.8	124.3	125.7	119.9	112.4	103.6	100.1	98.8	92.8	86.4	83.3
36.1	104.3	108.2	104.1	97.9	90.2	92.8	87.1	82.2	76.5	73.9
39.4	87.7	91.7	92.2	89.9	80.5	82.5	77.6	73.2	68.1	66.1
45.9		68.8	71.0	72.3	69.2	66.8	63.1	59.5	55.1	53.6
52.5		53.8	55.6	57.5	57.1	55.3	52.2	49.2	45.4	44.3
59.1		43.7	45.0	46.7	46.5	46.7	43.9	41.2	37.9	37.0
65.6			37.0	38.6	38.4	38.8	37.3	35.1	32.0	31.3
72.2			31.1	32.4	32.0	32.4	31.3	29.8	26.9	26.5
78.7				27.6	27.1	27.3	26.2	25.4	22.9	22.5
85.3				23.6	23.1	23.4	22.3	21.2	19.4	19.0
91.9				20.7	19.8	20.1	18.7	17.9	16.3	16.1
98.4					17.2	17.2	15.9	15.0	13.4	13.7
105.0					15.0	14.8	13.4	12.6	11.0	11.2
111.5						12.8	11.5	10.4	8.8	9.0
118.1						11.0	9.7	8.6	7.1	7.3
124.7						9.7	8.2	7.1	5.3	5.5
131.2							6.6	5.5	4.0	4.0
137.8							5.5	4.2		



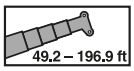


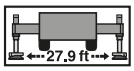
36,376 lbs **ASME**

lbs x 1,000

ft	49.2 ft	65.9 ft	82.3 ft	99.1 ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
9.8	440.9*	374.8*	357.1							
11.5	440.9*	374.8*	357.1							
13.1	408.3*	374.8*	357.1	306.4						
14.8	372.1*	371.3*	327.8	292.1						
16.4	339.7	317.2	283.3	251.8	229.9					
19.7	262.1	231.5	215.0	199.5	180.1	161.8				
23.0	200.4	187.2	173.7	158.7	143.1	129.9	126.5			
26.2	158.3	149.5	140.0	129.4	117.5	116.6	109.3	101.6		
29.5	128.3	122.8	117.3	112.7	100.8	100.5	93.7	87.3	80.7	
32.8	103.6	103.4	99.6	96.6	91.3	87.1	81.4	76.1	70.3	67.7
36.1	84.9	88.6	86.2	84.0	79.8	76.3	71.4	67.0	61.7	59.7
39.4	71.0	75.0	75.4	74.1	70.3	67.7	63.3	59.3	54.7	52.9
45.9		55.3	57.5	58.9	56.2	54.2	50.7	47.6	43.7	42.3
52.5		42.8	44.5	46.5	46.1	44.5	41.4	38.8	35.3	34.4
59.1		34.2	35.5	37.3	37.0	37.0	34.4	32.0	28.7	28.0
65.6			28.7	30.2	30.0	30.6	28.7	26.5	23.4	22.7
72.2			23.8	25.1	24.7	25.1	24.0	21.8	19.0	18.5
78.7				20.7	20.3	20.7	19.6	18.1	15.4	15.0
85.3				17.4	16.8	17.0	15.9	14.8	12.3	12.1
91.9				15.0	13.9	14.1	13.0	11.9	9.9	9.7
98.4					11.7	11.7	10.4	9.5	7.7	7.5
105.0					9.7	9.5	8.4	7.3	5.7	5.5
111.5						7.7	6.6	5.5		
118.1						6.4	5.1	4.0		
124.7						5.3	3.7			

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

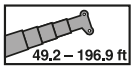


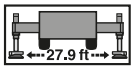


16,535 lbs **ASME**

lbs x 1,000

ft	49.2 ft	65.9 ft	82.3 ft	99.1 ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
9.8	440.9*	374.8*	357.1							
11.5	439.4*	374.8*	357.1							
13.1	398.8*	374.8*	357.1	306.4						
14.8	361.1	323.6	283.1	254.2						
16.4	311.1	265.2	239.4	217.2	190.9					
19.7	218.5	200.2	180.8	161.8	143.3	139.6				
23.0	161.2	149.9	139.6	131.2	120.8	112.9	103.4			
26.2	124.3	118.2	112.0	106.7	99.4	93.7	86.4	79.8		
29.5	99.6	96.3	92.6	89.3	83.8	79.4	73.4	68.1	61.9	
32.8	80.2	80.5	78.0	76.1	71.7	68.3	63.3	58.6	53.6	51.4
36.1	64.8	68.6	67.0	65.7	62.2	59.5	55.1	51.1	46.1	44.1
39.4	53.6	57.5	58.2	57.5	54.5	52.2	48.1	44.3	39.7	38.4
45.9		41.7	43.9	44.3	41.9	40.3	37.0	34.0	30.2	29.1
52.5		30.6	32.6	34.6	33.1	31.7	29.1	26.5	23.1	22.5
59.1		23.1	24.7	26.5	26.2	25.6	23.1	20.7	17.9	17.2
65.6			19.0	20.7	20.3	20.5	18.3	16.3	13.4	13.0
72.2			14.8	16.1	15.9	16.3	14.6	12.8	10.1	9.7
78.7				12.8	12.3	12.8	11.7	9.7	7.3	
85.3				10.1	9.7	9.9	8.6	7.3		
91.9				8.4	7.3	7.5	6.4			
98.4					5.5	5.5	4.4			
105.0					4.2	4.0				





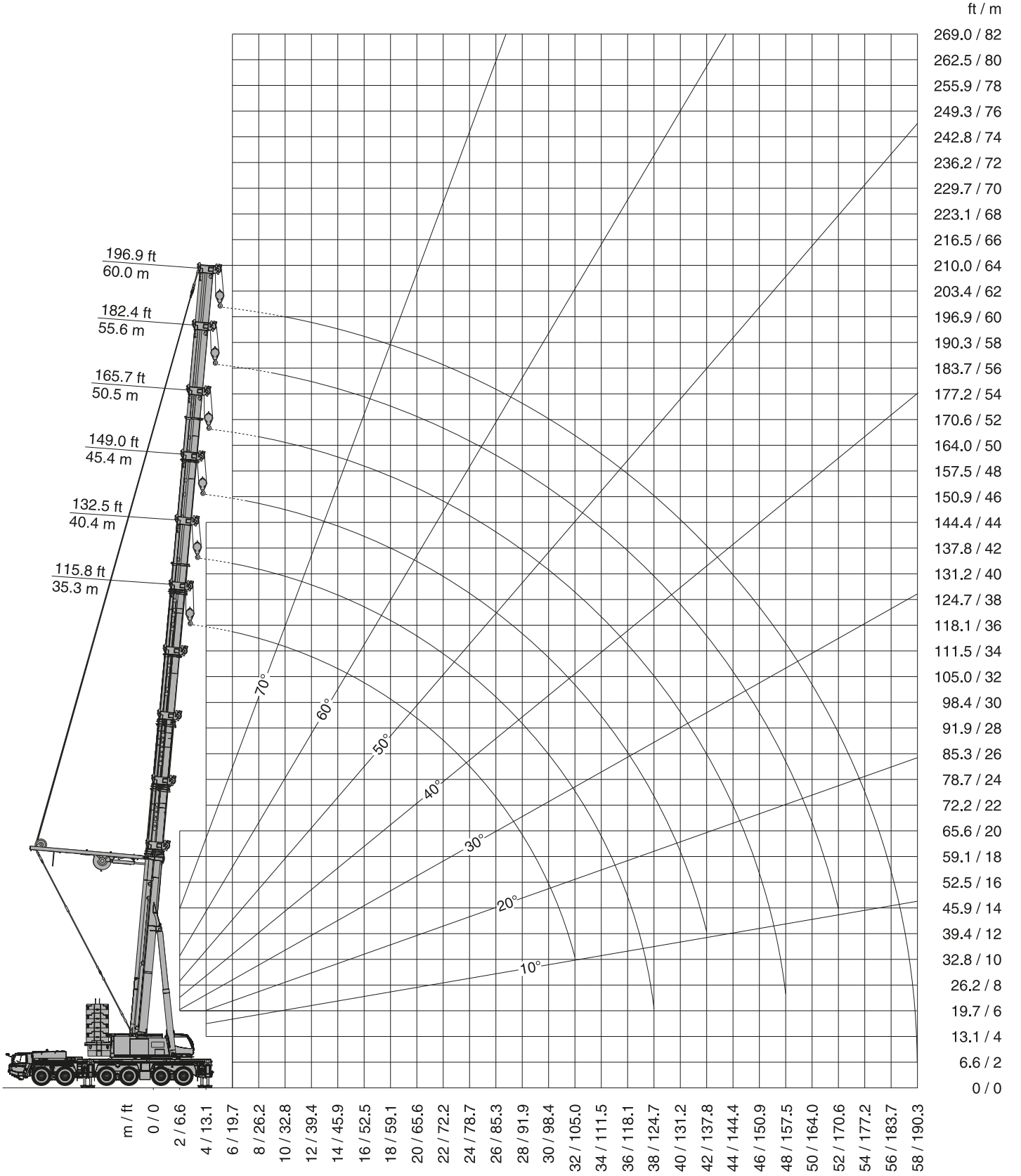
0 lbs **ASME**

lbs x 1,000

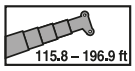
ft	49.2 ft	65.9 ft	82.3 ft	99.1 ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
9.8	440.9*	374.8*	357.1							
11.5	430.8*	374.8*	357.1							
13.1	386.7*	374.8*	357.1	306.4						
14.8	332.0	274.9	248.5	216.9						
16.4	264.1	233.9	206.8	179.0	153.9					
19.7	178.1	161.8	147.5	136.0	123.2	113.3				
23.0	127.9	119.9	112.4	105.8	97.4	90.6	82.5			
26.2	97.4	93.7	89.3	85.5	79.6	74.7	68.3	61.7		
29.5	77.2	75.8	73.2	71.0	66.1	61.9	56.2	50.9	45.0	
32.8	61.7	61.7	60.2	58.9	54.7	51.8	47.0	42.5	37.5	35.7
36.1	48.7	50.5	49.8	49.4	46.1	43.9	39.7	35.9	31.3	30.0
39.4	38.1	41.9	41.9	41.9	39.2	37.5	34.0	30.4	26.5	25.4
45.9		28.4	30.6	31.1	29.3	28.0	25.1	22.3	19.0	18.1
52.5		19.6	21.6	23.6	22.3	21.2	18.7	16.5	13.4	12.8
59.1		13.9	15.4	17.4	17.0	16.3	14.1	11.9		
65.6			11.0	12.8	12.6	12.3	10.4	8.4		
72.2			7.9	9.3	8.8	9.3	7.5			
78.7				6.6	6.2	6.4				
85.3				4.4	4.0	4.2				

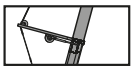
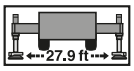
** With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional*

Working range · Rayon de travail · Zona de trabajo



Lifting capacities · Charges de levage · Cargas

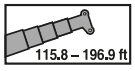


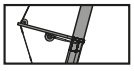
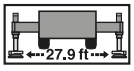



299,828 lbs **ASME**

lbs x 1,000

ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
19.7	260.1	185.6				
23.0	260.1	185.6	149.9			
26.2	256.3	185.6	149.9	127.8		
29.5	232.5	185.6	149.9	127.8	99.2	
32.8	212.5	185.6	149.9	127.8	99.2	79.3
36.1	195.5	185.6	149.9	127.8	99.2	79.3
39.4	180.9	179.8	149.9	127.8	98.7	79.3
45.9	156.9	156.3	149.9	127.8	97.8	77.3
52.5	138.0	137.7	137.1	115.3	97.0	74.9
59.1	122.3	122.5	122.1	111.1	96.3	73.6
65.6	109.1	110.0	109.7	106.7	91.0	72.7
72.2	97.4	99.2	99.4	99.6	83.1	72.0
78.7	86.8	89.7	90.3	90.8	76.9	71.4
85.3	76.9	81.1	82.4	83.3	74.0	69.0
91.9	67.2	73.1	75.1	76.5	71.6	64.1
98.4	56.4	65.6	68.5	70.3	69.0	60.4
105.0	42.3	58.2	62.3	64.8	65.9	58.6
111.5		50.0	56.4	59.7	61.2	56.8
118.1		40.5	50.4	54.6	56.4	55.3
124.7		24.9	44.3	50.0	52.0	52.0
131.2			37.2	45.1	47.8	48.0
137.8			27.7	40.3	44.3	44.5
144.4				35.0	40.7	41.2
150.9				28.4	36.5	38.1
157.5				18.2	32.4	35.2
164.0					27.3	31.9
170.6					20.9	28.2
177.2						23.8
183.7						18.5
190.3						8.1

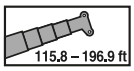


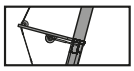
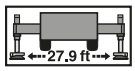



255,736 lbs **ASME**

lbs x 1,000

ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
13.1	260.1					
14.8	260.1					
16.4	260.1					
19.7	260.1	185.6				
23.0	260.1	185.6	149.9			
26.2	256.3	185.6	149.9	127.8		
29.5	232.5	185.6	149.9	127.8	99.2	
32.8	212.5	185.6	149.9	127.8	99.2	79.3
36.1	195.5	185.6	149.9	127.8	99.2	79.3
39.4	180.9	179.8	149.9	127.8	98.7	79.3
45.9	156.9	156.3	149.9	127.8	97.8	77.3
52.5	138.0	137.7	137.1	115.3	97.0	74.9
59.1	122.3	122.5	122.1	111.1	96.3	73.6
65.6	106.9	109.7	109.7	106.7	91.0	72.7
72.2	92.3	95.2	97.0	99.2	83.1	72.0
78.7	80.6	83.5	85.0	87.3	76.9	71.4
85.3	70.9	73.8	75.3	77.6	74.0	69.0
91.9	62.6	65.4	67.2	69.4	71.2	64.1
98.4	55.5	58.2	59.9	62.3	64.1	60.4
105.0	42.3	52.0	53.7	55.9	57.9	57.9
111.5		46.7	48.5	50.7	52.4	52.6
118.1		40.5	43.6	45.8	47.6	47.8
124.7		24.9	39.4	41.6	43.4	43.6
131.2			35.9	37.9	39.6	39.9
137.8			27.7	34.6	36.3	36.5
144.4				31.7	33.2	33.5
150.9				28.4	30.6	30.8
157.5				18.2	28.2	28.4
164.0					26.0	26.0
170.6					20.9	24.0
177.2						22.2
183.7						18.5
190.3						8.1



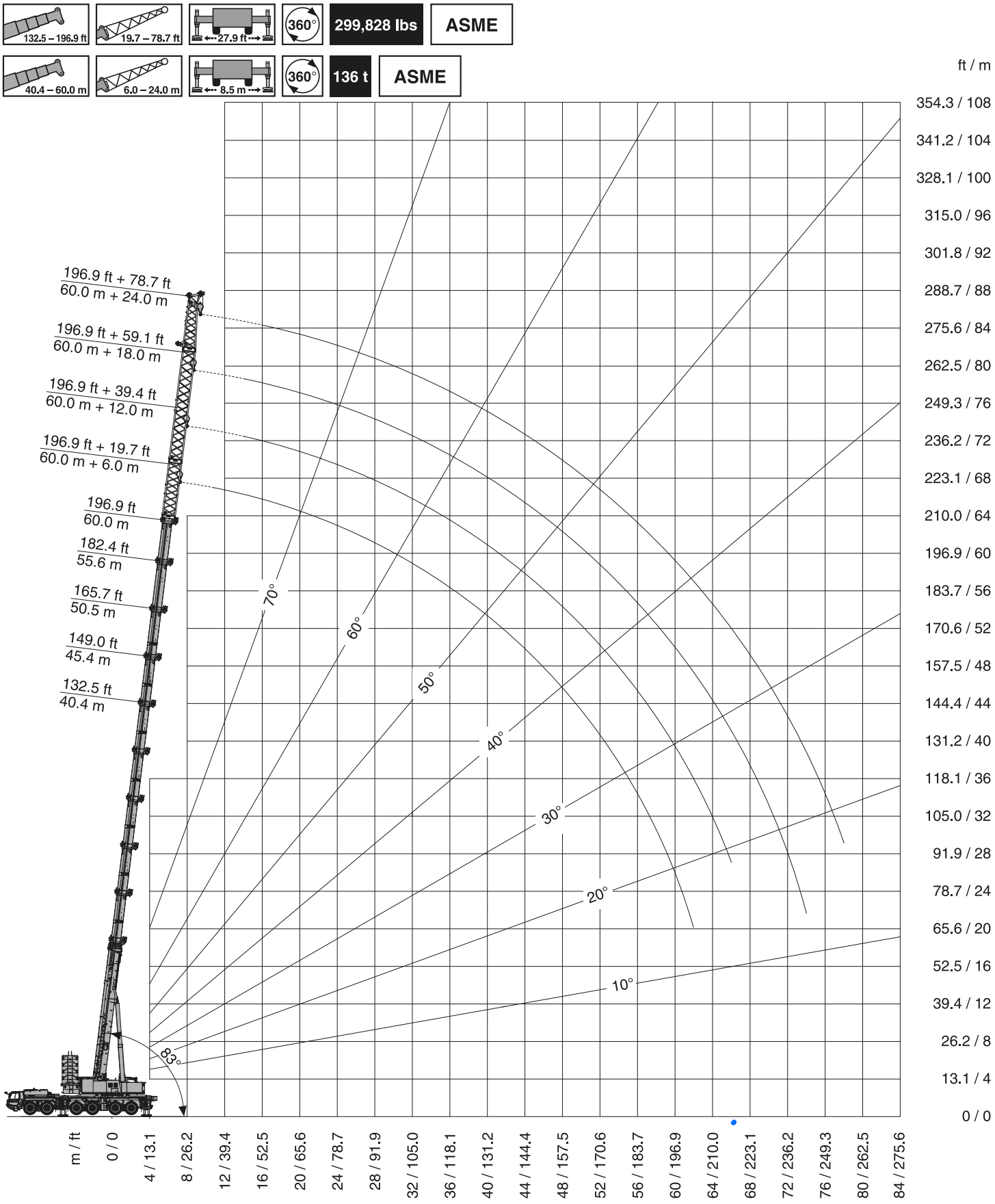



211,644 lbs **ASME**

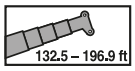
lbs x 1,000

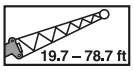
ft	115.8 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
13.1	260.1					
14.8	260.1					
16.4	260.1					
19.7	260.1	185.6				
23.0	260.1	185.6	149.9			
26.2	256.3	185.6	149.9	127.8		
29.5	232.5	185.6	149.9	127.8	99.2	
32.8	212.5	185.6	149.9	127.8	99.2	79.3
36.1	195.5	185.6	149.9	127.8	99.2	79.3
39.4	180.9	179.8	149.9	127.8	98.7	79.3
45.9	154.7	153.8	149.9	127.8	97.8	77.3
52.5	128.3	129.8	128.0	115.3	97.0	74.9
59.1	107.1	110.0	110.4	110.0	96.3	73.6
65.6	90.8	93.6	95.4	96.5	91.0	72.7
72.2	77.8	80.9	82.6	84.8	83.1	72.0
78.7	67.0	70.1	71.8	74.2	76.0	71.4
85.3	58.2	61.0	63.0	65.2	67.2	67.4
91.9	50.7	53.5	55.5	57.7	59.7	59.7
98.4	44.5	47.1	49.1	51.3	53.1	53.3
105.0	39.2	41.8	43.6	45.8	47.8	47.8
111.5		37.0	39.0	41.2	42.9	43.2
118.1		33.0	34.8	37.0	38.8	39.0
124.7		24.9	31.0	33.2	35.0	35.2
131.2			27.9	29.9	31.7	31.9
137.8			25.1	27.1	28.8	29.1
144.4				24.4	26.2	26.4
150.9				22.2	23.8	24.0
157.5				18.2	21.6	21.8
164.0					19.6	19.8
170.6					17.8	18.0
177.2						16.5
183.7						14.9
190.3						8.1

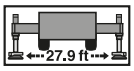
Working range · Rayon de travail · Zona de trabajo



Lifting capacities · Charges de levage · Cargas



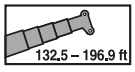


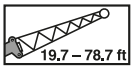


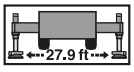
299,828 lbs **ASME**

lbs x 1,000

ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
	+ 19.7 ft					+ 39.4 ft					+ 59.1 ft					+ 78.7 ft				
23.0	129.1																			
26.2	129.1	129.1																		
29.5	129.1	129.1	100.5			115.3														
32.8	129.1	127.2	100.5	79.1		110.2	93.4	74.2			75.6									
36.1	129.1	119.0	98.3	79.1	67.6	105.6	93.4	74.2			72.3	68.1				54.2				
39.4	125.6	111.7	92.8	79.1	67.6	101.1	93.4	74.2	59.7		69.2	66.8	55.3			52.4	49.8			
45.9	111.9	99.6	83.5	72.7	67.6	93.6	89.5	71.4	59.7	51.8	63.9	62.1	55.3	45.1	39.6	48.9	47.1	41.4		
52.5	101.1	89.9	76.0	66.1	63.9	87.0	80.9	64.8	58.4	51.8	59.3	58.2	55.3	45.1	39.6	45.8	44.5	41.4	34.3	30.6
59.1	91.7	81.5	69.6	60.4	58.6	80.6	73.6	59.3	53.5	51.5	55.1	54.6	52.6	45.1	39.6	42.9	42.1	40.1	34.3	30.6
65.6	82.6	74.7	64.1	55.7	54.0	74.0	67.4	54.6	49.1	47.6	51.5	51.3	48.7	44.0	39.6	40.1	39.9	38.1	34.3	30.6
72.2	75.1	69.0	59.5	51.5	50.0	68.3	62.1	50.7	45.6	44.0	48.5	48.5	45.1	40.7	39.4	37.6	37.4	36.5	34.3	30.6
78.7	68.7	63.9	55.5	48.0	46.7	63.4	57.5	47.1	42.3	40.3	45.6	45.8	41.8	37.9	36.1	35.4	35.4	34.8	33.5	30.6
85.3	63.4	59.5	52.0	44.9	42.9	59.0	53.5	44.0	39.4	37.0	43.2	43.4	39.2	35.4	33.0	33.5	33.7	33.0	31.9	29.5
91.9	58.6	55.7	48.7	42.1	39.6	55.3	50.0	41.4	37.0	34.3	41.0	41.4	36.8	33.2	30.4	31.7	31.9	31.5	29.9	27.1
98.4	54.4	52.2	46.0	39.6	36.8	52.0	46.9	39.0	34.8	31.7	38.8	39.4	34.6	31.3	28.2	29.9	30.4	30.2	28.2	24.9
105.0	50.7	49.1	43.6	37.4	34.3	48.9	44.3	36.8	32.8	29.5	37.0	37.6	32.6	29.5	26.2	28.6	29.1	28.8	26.4	23.1
111.5	47.3	46.2	41.4	35.4	32.1	46.2	41.6	34.8	31.0	27.5	35.4	36.1	30.8	27.7	24.4	27.1	27.7	27.3	24.9	21.3
118.1	44.3	43.2	39.2	33.7	30.2	43.2	39.4	33.0	29.5	25.7	33.9	34.6	29.3	26.4	22.7	26.0	26.4	26.0	23.5	19.8
124.7	41.6	40.5	37.4	32.1	28.2	40.7	37.4	31.5	27.9	24.0	32.4	33.2	27.7	24.9	21.1	24.9	25.3	24.6	22.4	18.5
131.2	39.2	38.3	35.9	30.6	26.6	38.3	35.7	29.9	26.6	22.7	31.3	32.1	26.4	23.8	19.8	23.8	24.4	23.3	21.3	17.1
137.8	35.2	36.1	34.3	29.3	25.1	36.1	33.9	28.6	25.5	21.3	30.2	30.8	25.3	22.7	18.7	22.9	23.5	22.2	20.2	16.0
144.4	24.0	34.1	33.0	27.9	23.8	34.1	32.4	27.5	24.2	20.0	29.1	29.5	24.2	21.6	17.6	22.0	22.7	21.3	19.1	15.2
150.9		32.4	31.5	26.8	22.4	32.4	31.0	26.4	23.3	18.9	27.9	28.2	23.1	20.7	16.5	21.1	21.8	20.2	18.2	14.1
157.5		25.5	30.2	26.0	21.3	28.4	29.7	25.3	22.2	18.0	27.3	27.1	22.2	19.8	15.6	20.5	21.1	19.4	17.6	13.2
164.0			28.6	24.9	20.2	19.1	27.7	24.4	21.3	16.9	26.4	26.0	21.3	18.9	14.7	19.8	20.5	18.7	16.7	12.5
177.2			17.1	23.3	18.2		20.5	22.7	19.8	15.4	23.1	24.0	19.8	17.4	13.2	18.5	19.1	17.1	15.4	11.0
190.3				18.9	16.3			20.2	18.5	13.8		21.6	18.5	16.3	11.9	17.6	18.0	15.8	14.3	9.7
203.4					14.3				17.4	12.5			17.4	15.2	10.5	11.2	17.1	14.9	13.0	8.5
216.5										11.4			11.0	14.1	9.7		12.7	13.8	11.9	7.7
229.7														12.3	8.8			13.2	11.0	6.8
242.8															8.1				10.1	6.1
255.9																				5.5



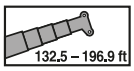


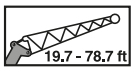


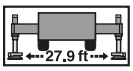
255,736 lbs **ASME**

lbs x 1,000

ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
	+ 19.7 ft					+ 39.4 ft					+ 59.1 ft					+ 78.7 ft				
23.0	129.1																			
26.2	129.1	129.1																		
29.5	129.1	129.1	100.5			115.3														
32.8	129.1	127.2	100.5	79.1		110.2	93.4	74.2			75.6									
36.1	129.1	119.0	98.3	79.1	67.6	105.6	93.4	74.2			72.3	68.1				54.2				
39.4	125.6	111.7	92.8	79.1	67.6	101.1	93.4	74.2	59.7		69.2	66.8	55.3			52.4	49.8			
45.9	111.9	99.6	83.5	72.7	67.6	93.6	89.5	71.4	59.7	51.8	63.9	62.1	55.3	45.1	39.6	48.9	47.1	41.4		
52.5	101.1	89.9	76.0	66.1	63.9	87.0	80.9	64.8	58.4	51.8	59.3	58.2	55.3	45.1	39.6	45.8	44.5	41.4	34.3	30.6
59.1	91.7	81.5	69.6	60.4	58.6	80.6	73.6	59.3	53.5	51.5	55.1	54.6	52.6	45.1	39.6	42.9	42.1	40.1	34.3	30.6
65.6	82.6	74.7	64.1	55.7	54.0	74.0	67.4	54.6	49.1	47.6	51.5	51.3	48.7	44.0	39.6	40.1	39.9	38.1	34.3	30.6
72.2	75.1	69.0	59.5	51.5	50.0	68.3	62.1	50.7	45.6	44.0	48.5	48.5	45.1	40.7	39.4	37.6	37.4	36.5	34.3	30.6
78.7	68.7	63.9	55.5	48.0	46.7	63.4	57.5	47.1	42.3	40.3	45.6	45.8	41.8	37.9	36.1	35.4	35.4	34.8	33.5	30.6
85.3	63.4	59.5	52.0	44.9	42.9	59.0	53.5	44.0	39.4	37.0	43.2	43.4	39.2	35.4	33.0	33.5	33.7	33.0	31.9	29.5
91.9	58.6	55.7	48.7	42.1	39.6	55.3	50.0	41.4	37.0	34.3	41.0	41.4	36.8	33.2	30.4	31.7	31.9	31.5	29.9	27.1
98.4	54.4	52.2	46.0	39.6	36.8	52.0	46.9	39.0	34.8	31.7	38.8	39.4	34.6	31.3	28.2	29.9	30.4	30.2	28.2	24.9
105.0	50.7	49.1	43.6	37.4	34.3	48.9	44.3	36.8	32.8	29.5	37.0	37.6	32.6	29.5	26.2	28.6	29.1	28.8	26.4	23.1
111.5	47.3	46.2	41.4	35.4	32.1	46.2	41.6	34.8	31.0	27.5	35.4	36.1	30.8	27.7	24.4	27.1	27.7	27.3	24.9	21.3
118.1	44.3	43.2	39.2	33.7	30.2	43.2	39.4	33.0	29.5	25.7	33.9	34.6	29.3	26.4	22.7	26.0	26.4	26.0	23.5	19.8
124.7	41.6	40.5	37.4	32.1	28.2	40.7	37.4	31.5	27.9	24.0	32.4	33.2	27.7	24.9	21.1	24.9	25.3	24.6	22.4	18.5
131.2	38.3	38.3	35.9	30.6	26.6	38.3	35.7	29.9	26.6	22.7	31.3	32.1	26.4	23.8	19.8	23.8	24.4	23.3	21.3	17.1
137.8	35.2	35.9	34.3	29.3	25.1	36.1	33.9	28.6	25.5	21.3	30.2	30.8	25.3	22.7	18.7	22.9	23.5	22.2	20.2	16.0
144.4	24.0	33.0	33.0	27.9	23.8	33.5	32.4	27.5	24.2	20.0	29.1	29.5	24.2	21.6	17.6	22.0	22.7	21.3	19.1	15.2
150.9		30.6	31.5	26.8	22.4	30.8	31.0	26.4	23.3	18.9	27.9	28.2	23.1	20.7	16.5	21.1	21.8	20.2	18.2	14.1
157.5		25.5	29.3	26.0	21.3	28.4	28.8	25.3	22.2	18.0	27.3	27.1	22.2	19.8	15.6	20.5	21.1	19.4	17.6	13.2
164.0			27.3	24.9	20.2	19.1	26.8	24.4	21.3	16.9	26.4	26.0	21.3	18.9	14.7	19.8	20.5	18.7	16.7	12.5
177.2			17.1	23.3	18.2		20.5	22.7	19.8	15.4	23.1	23.8	19.8	17.4	13.2	18.5	19.1	17.1	15.4	11.0
190.3				18.9	16.3			20.2	18.5	13.8		20.5	18.5	16.3	11.9	17.6	18.0	15.8	14.3	9.7
203.4					14.3				17.4	12.5			17.4	15.2	10.5	11.2	17.1	14.9	13.0	8.5
216.5										11.4			11.0	14.1	9.7		12.7	13.8	11.9	7.7
229.7														12.3	8.8			13.2	11.0	6.8
242.8															8.1				10.1	6.1
255.9																				5.5





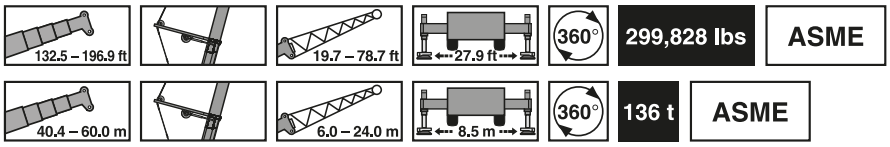


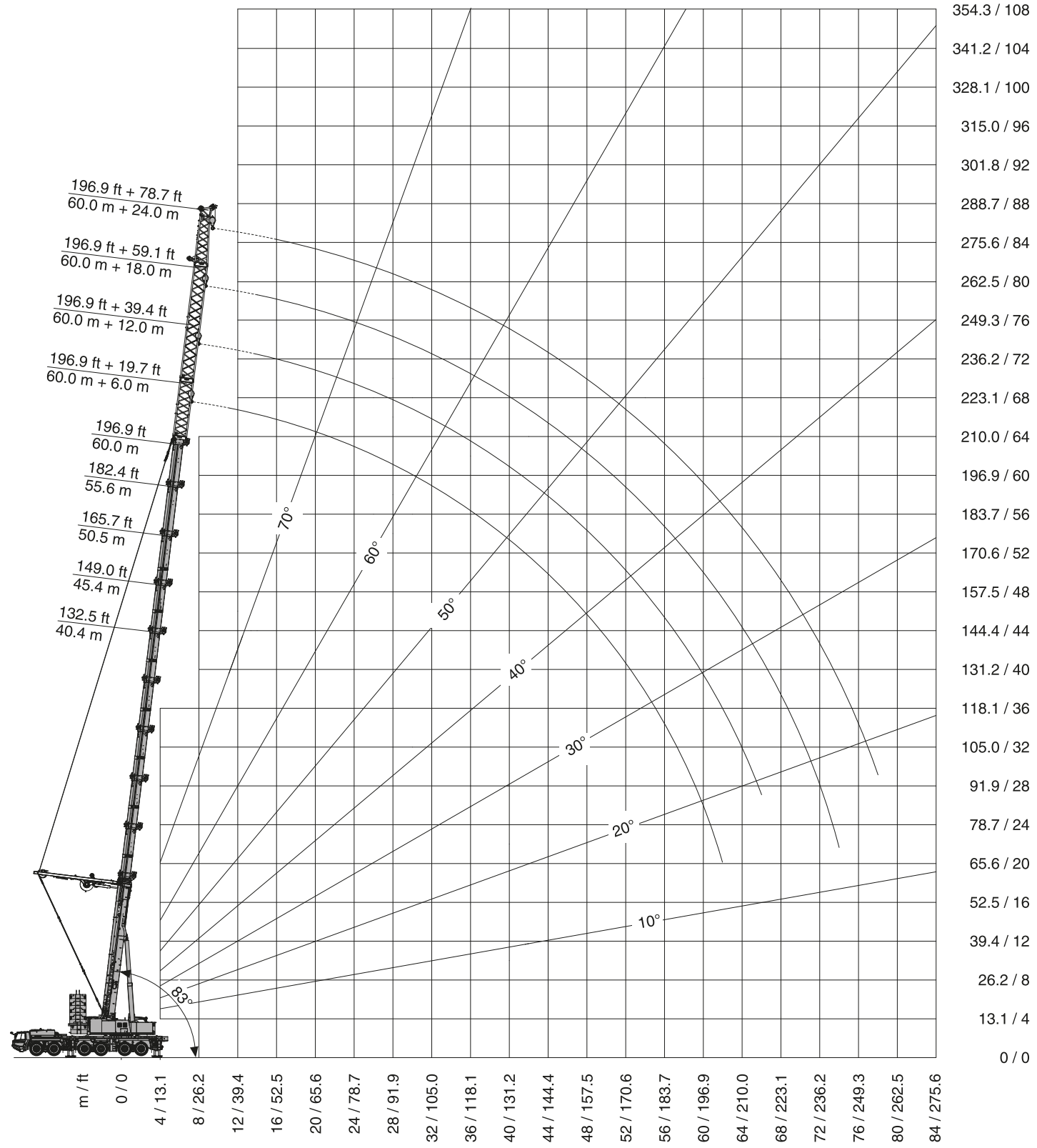
211,644 lbs **ASME**

lbs x 1,000

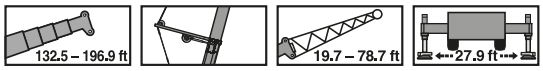
ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
	+ 19.7 ft					+ 39.4 ft					+ 59.1 ft					+ 78.7 ft				
23.0	129.1																			
26.2	129.1	129.1																		
29.5	129.1	129.1	100.5			115.3														
32.8	129.1	127.2	100.5	79.1		110.2	93.4	74.2			75.6									
36.1	129.1	119.0	98.3	79.1	67.6	105.6	93.4	74.2			72.3	68.1				54.2				
39.4	125.6	111.7	92.8	79.1	67.6	101.1	93.4	74.2	59.7		69.2	66.8	55.3			52.4	49.8			
45.9	111.9	99.6	83.5	72.7	67.6	93.6	89.5	71.4	59.7	51.8	63.9	62.1	55.3	45.1	39.6	48.9	47.1	41.4		
52.5	101.1	89.9	76.0	66.1	63.9	87.0	80.9	64.8	58.4	51.8	59.3	58.2	55.3	45.1	39.6	45.8	44.5	41.4	34.3	30.6
59.1	91.7	81.5	69.6	60.4	58.6	80.6	73.6	59.3	53.5	51.5	55.1	54.6	52.6	45.1	39.6	42.9	42.1	40.1	34.3	30.6
65.6	82.6	74.7	64.1	55.7	54.0	74.0	67.4	54.6	49.1	47.6	51.5	51.3	48.7	44.0	39.6	40.1	39.9	38.1	34.3	30.6
72.2	75.1	69.0	59.5	51.5	50.0	68.3	62.1	50.7	45.6	44.0	48.5	48.5	45.1	40.7	39.4	37.6	37.4	36.5	34.3	30.6
78.7	68.7	63.9	55.5	48.0	46.7	63.4	57.5	47.1	42.3	40.3	45.6	45.8	41.8	37.9	36.1	35.4	35.4	34.8	33.5	30.6
85.3	63.4	59.5	52.0	44.9	42.9	59.0	53.5	44.0	39.4	37.0	43.2	43.4	39.2	35.4	33.0	33.5	33.7	33.0	31.9	29.5
91.9	56.6	55.7	48.7	42.1	39.6	55.3	50.0	41.4	37.0	34.3	41.0	41.4	36.8	33.2	30.4	31.7	31.9	31.5	29.9	27.1
98.4	50.4	51.3	46.0	39.6	36.8	51.8	46.9	39.0	34.8	31.7	38.8	39.4	34.6	31.3	28.2	29.9	30.4	30.2	28.2	24.9
105.0	45.4	46.2	43.6	37.4	34.3	46.7	44.3	36.8	32.8	29.5	37.0	37.6	32.6	29.5	26.2	28.6	29.1	28.8	26.4	23.1
111.5	40.7	41.6	41.4	35.4	32.1	42.1	41.6	34.8	31.0	27.5	35.4	36.1	30.8	27.7	24.4	27.1	27.7	27.3	24.9	21.3
118.1	37.0	37.6	39.2	33.7	30.2	38.1	38.8	33.0	29.5	25.7	33.9	34.6	29.3	26.4	22.7	26.0	26.4	26.0	23.5	19.8
124.7	33.5	34.1	35.7	32.1	28.2	34.6	35.2	31.5	27.9	24.0	32.4	33.2	27.7	24.9	21.1	24.9	25.3	24.6	22.4	18.5
131.2	30.4	31.0	32.4	30.6	26.6	31.5	31.9	29.9	26.6	22.7	31.3	32.1	26.4	23.8	19.8	23.8	24.4	23.3	21.3	17.1
137.8	27.7	28.4	29.7	29.3	25.1	28.8	29.3	28.6	25.5	21.3	29.9	29.9	25.3	22.7	18.7	22.9	23.5	22.2	20.2	16.0
144.4	24.0	26.0	27.1	27.9	23.8	26.2	26.6	27.5	24.2	20.0	27.3	27.5	24.2	21.6	17.6	22.0	22.7	21.3	19.1	15.2
150.9		23.8	24.9	25.7	22.4	24.0	24.4	25.3	23.3	18.9	25.1	25.1	23.1	20.7	16.5	21.1	21.8	20.2	18.2	14.1
157.5		21.8	22.9	23.8	21.3	22.0	22.4	23.1	22.2	18.0	23.1	23.1	22.2	19.8	15.6	20.5	21.1	19.4	17.6	13.2
164.0			21.1	22.0	20.2	19.1	20.5	21.3	21.3	16.9	21.1	21.3	21.3	18.9	14.7	19.8	20.5	18.7	16.7	12.5
177.2			17.1	18.7	18.2		17.4	18.0	18.9	15.4	18.0	18.0	18.7	17.4	13.2	18.2	18.2	17.1	15.4	11.0
190.3				15.8	15.8			15.4	16.0	13.8		15.2	15.8	16.3	11.9	15.4	15.4	15.8	14.3	9.7
203.4					13.4				13.6	12.5			13.4	13.8	10.5	11.2	13.0	13.4	13.0	8.5
216.5										11.2			11.0	11.9	9.7		11.0	11.2	11.4	7.7
229.7														10.1	8.8			9.4	9.7	6.8
242.8															8.1				8.1	6.1
255.9																				5.5

Working range · Rayon de travail · Zona de trabajo





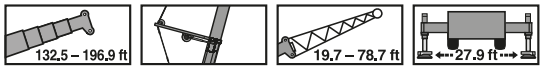
Lifting capacities · Charges de levage · Cargas



299,828 lbs **ASME**

lbs x 1,000

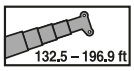
ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
	+ 19.7 ft					+ 39.4 ft					+ 59.1 ft					+ 78.7 ft				
23.0	129.1																			
26.2	129.1	121.6																		
29.5	129.1	119.9	90.3			104.9														
32.8	129.1	118.6	88.8	70.1		104.4	88.4	68.7			73.4									
36.1	129.1	117.0	87.9	67.4	61.9	104.4	87.7	68.7			73.4	64.8				55.5				
39.4	129.1	115.5	86.8	64.8	61.7	104.4	87.0	65.9	52.6		73.1	64.5	50.0			54.0	46.0			
45.9	129.1	112.4	84.8	63.2	57.5	99.6	85.3	63.7	52.6	46.0	68.5	64.1	50.0	39.4	34.6	51.3	46.0	37.0		
52.5	127.8	109.1	82.6	61.9	53.7	94.1	84.6	62.3	49.1	46.0	64.1	62.8	49.8	39.4	34.6	48.9	46.0	37.0	29.1	25.3
59.1	117.9	106.0	80.4	59.9	51.3	89.0	84.4	61.2	46.5	43.8	60.1	59.5	46.2	39.4	33.9	46.7	43.8	37.0	29.1	24.6
65.6	105.3	102.2	78.4	57.5	50.0	81.7	78.7	60.1	45.6	41.2	56.2	56.6	44.0	37.9	33.0	44.7	42.5	37.0	29.1	24.0
72.2	94.7	92.3	75.8	57.0	48.7	74.2	72.3	57.9	44.7	39.0	52.9	53.7	43.4	35.4	32.1	42.7	40.5	35.4	29.1	23.3
78.7	86.2	83.7	72.7	55.5	46.7	69.4	69.2	56.2	43.6	36.8	50.2	51.3	42.5	33.5	31.0	40.7	39.0	33.5	29.1	22.4
85.3	78.9	76.7	71.6	53.5	46.0	66.3	66.3	55.7	42.5	35.0	47.6	49.1	41.6	32.6	30.2	38.8	37.6	32.6	27.7	21.6
91.9	72.5	70.5	69.6	52.6	45.4	63.4	63.4	54.2	41.0	33.9	45.1	46.9	40.7	32.1	29.1	36.8	36.3	32.4	26.2	20.9
98.4	66.8	64.8	64.1	51.3	43.8	60.6	59.5	52.4	40.3	33.7	42.7	44.9	39.4	31.0	27.7	35.0	34.8	31.9	24.9	20.7
105.0	61.7	60.4	59.7	49.6	42.7	56.8	55.3	51.8	39.9	32.6	41.0	43.2	38.3	30.6	26.2	33.7	33.5	30.8	23.8	20.2
111.5	57.3	56.2	55.5	48.5	41.8	52.9	51.3	50.4	38.5	31.7	39.2	41.2	37.2	30.4	25.3	32.4	32.1	30.8	22.9	19.6
118.1	51.5	52.2	51.5	47.8	41.0	49.1	48.0	47.1	37.4	31.3	37.4	39.6	36.3	29.7	24.4	31.0	31.3	29.7	22.9	19.1
124.7	45.6	49.1	48.5	46.2	39.6	45.8	44.9	44.0	37.0	30.4	35.7	38.1	35.2	28.8	24.2	29.7	30.2	28.8	22.7	19.1
131.2	39.4	45.1	45.8	44.9	38.8	42.7	42.3	41.2	36.3	30.2	34.6	36.8	34.1	28.2	24.0	28.4	28.8	27.7	22.2	18.9
137.8	31.7	40.3	43.2	42.5	37.9	40.5	39.6	38.8	35.2	29.5	33.0	35.2	33.0	27.3	23.8	27.3	27.7	26.8	21.6	18.5
144.4	20.5	35.2	40.3	40.1	37.0	36.5	37.2	36.5	34.1	28.6	31.5	33.7	32.1	26.8	23.1	26.4	27.1	26.0	21.3	18.0
150.9		29.5	36.3	37.9	35.7	31.5	35.2	34.6	33.7	27.9	30.4	32.4	30.8	26.6	22.4	25.5	26.0	25.3	21.1	17.6
157.5		22.0	32.1	35.7	35.0	25.1	32.6	32.6	32.4	27.1	29.5	30.8	29.7	25.7	22.0	24.4	25.1	24.6	20.9	17.1
164.0			27.5	32.8	33.2	15.8	28.4	31.0	30.8	26.2	28.4	29.1	28.2	25.1	21.3	23.3	24.2	24.0	20.2	16.7
177.2			13.8	25.5	28.6		17.4	26.0	27.7	25.3	20.2	26.0	25.5	24.2	20.2	22.0	22.7	22.4	19.4	16.3
190.3				15.8	22.4			17.4	24.0	24.0		19.1	23.1	22.7	19.6	20.2	21.3	21.1	18.5	15.4
203.4					14.3				17.1	20.9			18.2	20.7	18.9	8.5	18.5	18.9	18.2	14.7
216.5										14.9			8.1	16.9	18.0		10.1	17.1	17.1	14.1
229.7														9.7	14.7			10.8	15.6	13.6
242.8															8.3				10.5	13.2
255.9																				8.8

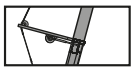
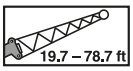


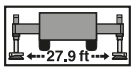
255,736 lbs **ASME**

lbs x 1,000

ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
	+ 19.7 ft					+ 39.4 ft					+ 59.1 ft					+ 78.7 ft				
23.0	129.1																			
26.2	129.1	121.6																		
29.5	129.1	119.9	90.3			104.9														
32.8	129.1	118.6	88.8	70.1		104.4	88.4	68.7			73.4									
36.1	129.1	117.0	87.9	67.4	61.9	104.4	87.7	68.7			73.4	64.8				55.5				
39.4	129.1	115.5	86.8	64.8	61.7	104.4	87.0	65.9	52.6		73.1	64.5	50.0			54.0	46.0			
45.9	129.1	112.4	84.8	63.2	57.5	99.6	85.3	63.7	52.6	46.0	68.5	64.1	50.0	39.4	34.6	51.3	46.0	37.0		
52.5	127.8	109.1	82.6	61.9	53.7	94.1	84.6	62.3	49.1	46.0	64.1	62.8	49.8	39.4	34.6	48.9	46.0	37.0	29.1	25.3
59.1	117.9	106.0	80.4	59.9	51.3	89.0	84.4	61.2	46.5	43.8	60.1	59.5	46.2	39.4	33.9	46.7	43.8	37.0	29.1	24.6
65.6	105.3	102.2	78.4	57.5	50.0	81.7	78.7	60.1	45.6	41.2	56.2	56.6	44.0	37.9	33.0	44.7	42.5	37.0	29.1	24.0
72.2	94.7	92.3	75.8	57.0	48.7	74.2	72.3	57.9	44.7	39.0	52.9	53.7	43.4	35.4	32.1	42.7	40.5	35.4	29.1	23.3
78.7	85.5	83.7	72.7	55.5	46.7	69.4	69.2	56.2	43.6	36.8	50.2	51.3	42.5	33.5	31.0	40.7	39.0	33.5	29.1	22.4
85.3	75.8	76.7	71.6	53.5	46.0	66.3	66.3	55.7	42.5	35.0	47.6	49.1	41.6	32.6	30.2	38.8	37.6	32.6	27.7	21.6
91.9	67.6	69.0	69.6	52.6	45.4	63.4	63.4	54.2	41.0	33.9	45.1	46.9	40.7	32.1	29.1	36.8	36.3	32.4	26.2	20.9
98.4	60.4	61.7	63.4	51.3	43.8	60.6	59.5	52.4	40.3	33.7	42.7	44.9	39.4	31.0	27.7	35.0	34.8	31.9	24.9	20.7
105.0	54.2	55.5	57.3	49.6	42.7	56.2	55.3	51.8	39.9	32.6	41.0	43.2	38.3	30.6	26.2	33.7	33.5	30.8	23.8	20.2
111.5	48.9	50.0	51.8	48.5	41.8	50.7	51.3	50.4	38.5	31.7	39.2	41.2	37.2	30.4	25.3	32.4	32.1	30.8	22.9	19.6
118.1	44.0	45.4	46.9	47.8	41.0	46.0	46.7	47.1	37.4	31.3	37.4	39.6	36.3	29.7	24.4	31.0	31.3	29.7	22.9	19.1
124.7	39.9	41.2	42.7	43.8	39.6	41.6	42.5	43.6	37.0	30.4	35.7	38.1	35.2	28.8	24.2	29.7	30.2	28.8	22.7	19.1
131.2	36.3	37.4	39.0	40.1	38.8	38.1	38.8	39.9	36.3	30.2	34.6	36.8	34.1	28.2	24.0	28.4	28.8	27.7	22.2	18.9
137.8	31.7	34.1	35.7	36.8	37.0	34.6	35.4	36.5	35.2	29.5	33.0	35.2	33.0	27.3	23.8	27.3	27.7	26.8	21.6	18.5
144.4	20.5	31.0	32.6	33.7	34.1	31.7	32.4	33.5	34.1	28.6	31.5	33.7	32.1	26.8	23.1	26.4	27.1	26.0	21.3	18.0
150.9		28.4	29.9	31.0	31.3	28.8	29.7	30.6	31.7	27.9	30.4	30.8	30.8	26.6	22.4	25.5	26.0	25.3	21.1	17.6
157.5		22.0	27.5	28.6	28.8	25.1	27.3	28.2	29.3	27.1	28.2	28.4	29.3	25.7	22.0	24.4	25.1	24.6	20.9	17.1
164.0			25.1	26.4	26.4	15.8	24.9	26.0	27.1	26.2	25.7	26.2	27.1	25.1	21.3	23.3	24.2	24.0	20.2	16.7
177.2			13.8	22.4	22.4		17.4	22.0	22.9	22.9	20.2	22.0	23.1	23.8	20.2	22.0	22.7	22.4	19.4	16.3
190.3				15.8	19.1			17.4	19.6	19.4		18.7	19.6	20.2	19.6	19.1	19.4	19.8	18.5	15.4
203.4					14.3				16.7	16.5			16.7	17.4	16.9	8.5	16.3	16.9	17.4	14.7
216.5										13.8			8.1	14.7	14.5		10.1	14.3	14.7	14.1
229.7														9.7	12.3			10.8	12.5	12.1
242.8															8.3				10.5	10.1
255.9																				8.3



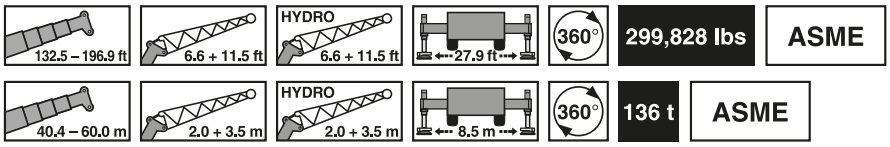


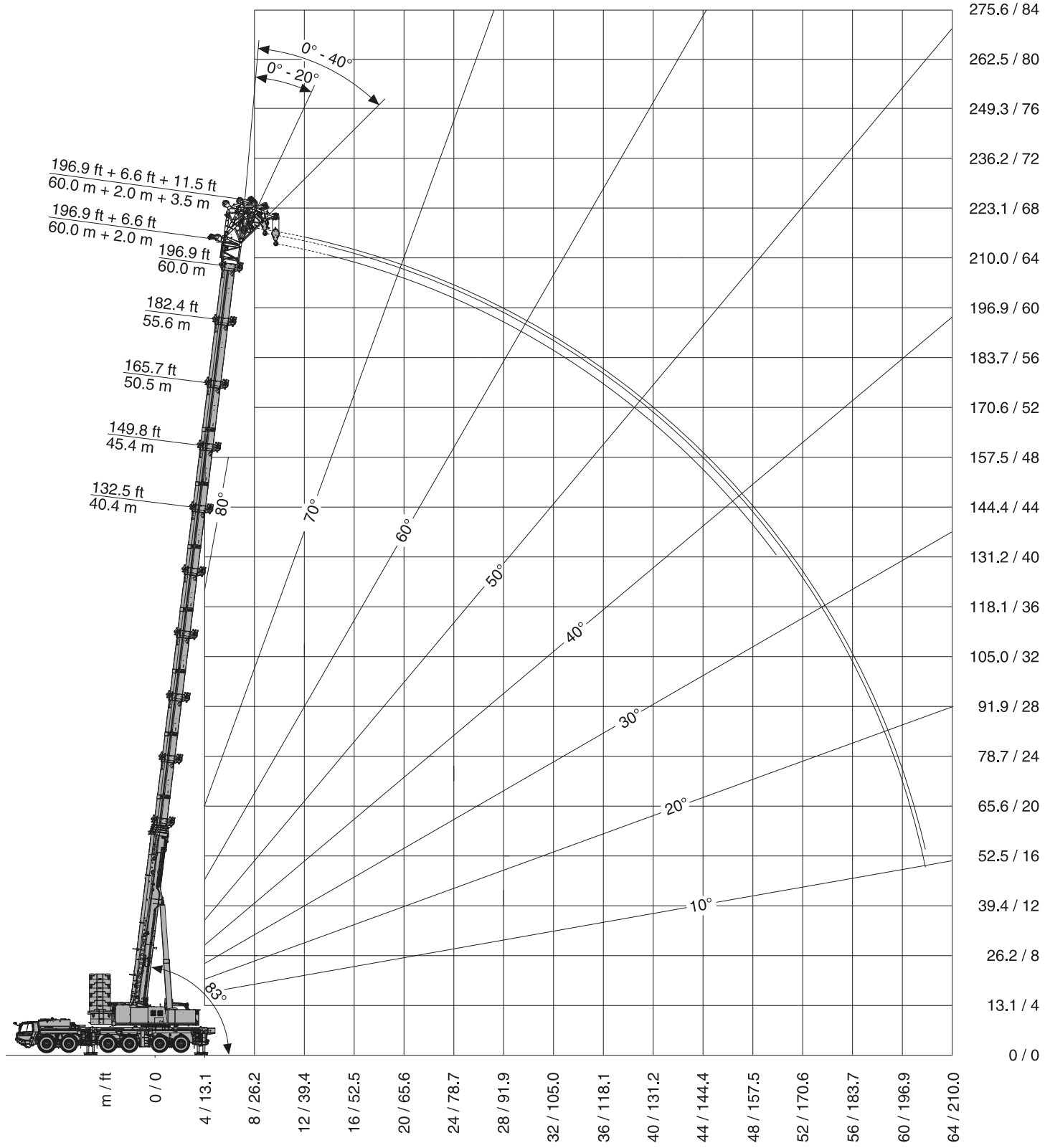
211,644 lbs **ASME**

lbs x 1,000

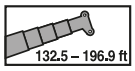
ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft	132.5 ft	149.0 ft	165.7 ft	182.4 ft	196.9 ft
	+ 19.7 ft					+ 39.4 ft					+ 59.1 ft					+ 78.7 ft				
23.0	129.1																			
26.2	129.1	121.6																		
29.5	129.1	119.9	90.3			104.9														
32.8	129.1	118.6	88.8	70.1		104.4	88.4	68.7			73.4									
36.1	129.1	117.0	87.9	67.4	61.9	104.4	87.7	68.7			73.4	64.8				55.5				
39.4	129.1	115.5	86.8	64.8	61.7	104.4	87.0	65.9	52.6		73.1	64.5	50.0			54.0	46.0			
45.9	129.1	112.4	84.8	63.2	57.5	99.6	85.3	63.7	52.6	46.0	68.5	64.1	50.0	39.4	34.6	51.3	46.0	37.0		
52.5	127.6	109.1	82.6	61.9	53.7	94.1	84.6	62.3	49.1	46.0	64.1	62.8	49.8	39.4	34.6	48.9	46.0	37.0	29.1	25.3
59.1	110.0	106.0	80.4	59.9	51.3	89.0	84.4	61.2	46.5	43.8	60.1	59.5	46.2	39.4	33.9	46.7	43.8	37.0	29.1	24.6
65.6	95.9	95.0	78.4	57.5	50.0	81.7	78.7	60.1	45.6	41.2	56.2	56.6	44.0	37.9	33.0	44.7	42.5	37.0	29.1	24.0
72.2	83.1	83.9	75.8	57.0	48.7	74.2	72.3	57.9	44.7	39.0	52.9	53.7	43.4	35.4	32.1	42.7	40.5	35.4	29.1	23.3
78.7	72.3	73.6	72.7	55.5	46.7	69.4	69.2	56.2	43.6	36.8	50.2	51.3	42.5	33.5	31.0	40.7	39.0	33.5	29.1	22.4
85.3	63.4	64.8	66.5	53.5	46.0	65.4	66.3	55.7	42.5	35.0	47.6	49.1	41.6	32.6	30.2	38.8	37.6	32.6	27.7	21.6
91.9	55.9	57.0	58.8	52.6	45.4	57.9	58.8	54.2	41.0	33.9	45.1	46.9	40.7	32.1	29.1	36.8	36.3	32.4	26.2	20.9
98.4	49.6	50.9	52.4	51.3	43.8	51.5	52.4	52.4	40.3	33.7	42.7	44.9	39.4	31.0	27.7	35.0	34.8	31.9	24.9	20.7
105.0	44.0	45.4	46.9	48.2	42.7	46.0	46.9	47.8	39.9	32.6	41.0	43.2	38.3	30.6	26.2	33.7	33.5	30.8	23.8	20.2
111.5	39.4	40.5	42.3	43.4	41.8	41.2	42.1	43.2	38.5	31.7	39.2	41.2	37.2	30.4	25.3	32.4	32.1	30.8	22.9	19.6
118.1	35.2	36.3	38.1	39.2	39.4	37.0	37.9	39.0	37.4	31.3	37.4	39.2	36.3	29.7	24.4	31.0	31.3	29.7	22.9	19.1
124.7	31.5	32.8	34.3	35.4	35.9	33.2	34.1	35.2	36.3	30.4	35.0	35.4	35.2	28.8	24.2	29.7	30.2	28.8	22.7	19.1
131.2	28.4	29.5	31.0	32.1	32.6	30.2	30.8	31.9	33.0	30.2	31.7	32.1	33.0	28.2	24.0	28.4	28.8	27.7	22.2	18.9
137.8	25.5	26.6	28.2	29.3	29.5	27.1	27.9	29.1	30.2	29.5	28.8	29.1	30.2	27.3	23.8	27.3	27.7	26.8	21.6	18.5
144.4	20.5	24.0	25.5	26.6	26.8	24.4	25.3	26.2	27.5	27.3	26.2	26.4	27.5	26.8	23.1	26.4	27.1	26.0	21.3	18.0
150.9		21.6	23.1	24.2	24.4	22.2	22.9	24.0	25.1	24.9	23.8	24.0	25.1	25.7	22.4	24.6	24.9	25.3	21.1	17.6
157.5		19.4	20.9	22.0	22.2	20.0	20.7	21.8	22.9	22.7	21.6	21.8	22.9	23.5	22.0	22.4	22.7	23.1	20.9	17.1
164.0			18.9	20.0	20.2	15.8	18.7	19.8	20.9	20.7	19.6	19.8	20.9	21.6	21.1	20.5	20.5	21.1	20.2	16.7
177.2			13.8	16.7	16.7		15.2	16.3	17.1	17.1	16.0	16.5	17.4	18.0	17.6	16.9	16.9	17.6	18.0	16.3
190.3				13.6	13.8			13.2	14.3	14.1		13.4	14.3	14.9	14.7	13.8	14.1	14.5	14.9	14.7
203.4					11.2				11.6	11.4			11.6	12.3	12.1	8.5	11.4	11.9	12.3	12.1
216.5										9.2			8.1	10.1	9.9		9.2	9.7	10.1	9.9
229.7														8.1	7.9			7.7	8.1	7.9
242.8															6.1				6.3	6.1
255.9																				4.6

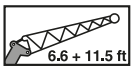
Working range · Rayon de travail · Zona de trabajo

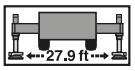




Lifting capacities · Charges de levage · Cargas



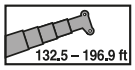


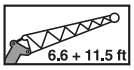


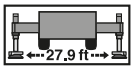
299,828 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 11.5 ft			149.0 ft + 6.6 ft + 11.5 ft			165.7 ft + 6.6 ft + 11.5 ft			182.4 ft + 6.6 ft + 11.5 ft			196.9 ft + 6.6 ft + 11.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
26.2	129.1														
29.5	129.1	129.1		129.1											
32.8	129.1	128.7	122.7	123.0	114.4		99.2								
36.1	129.1	121.4	116.1	115.3	108.6	102.5	93.6	85.9		82.2					
39.4	122.1	114.8	110.2	108.4	102.9	97.8	88.6	81.7	77.6	77.8	72.7		70.1		
45.9	109.1	103.3	99.8	96.7	92.3	89.7	80.0	74.5	70.9	70.1	66.1	63.4	67.6	63.9	61.5
52.5	98.7	94.1	91.2	87.3	83.7	81.7	72.7	68.3	65.4	63.7	60.4	58.2	61.5	58.4	56.4
59.1	89.9	86.2	83.9	79.3	76.5	74.9	66.8	63.0	60.6	58.4	55.5	53.7	56.4	53.7	52.2
65.6	81.1	79.5	77.6	72.7	70.3	69.0	61.7	58.4	56.6	53.7	51.3	50.0	52.0	49.8	48.5
72.2	73.6	73.4	72.3	67.0	65.0	63.9	57.3	54.4	52.9	49.8	47.8	46.5	48.0	46.0	44.7
78.7	67.2	67.2	67.0	62.1	60.4	59.5	53.3	51.1	49.8	46.2	44.5	43.6	43.8	42.3	41.2
85.3	61.7	61.7	61.7	57.7	56.4	55.7	50.0	48.0	46.9	43.2	41.8	41.0	40.3	39.0	38.1
91.9	57.0	56.8	56.8	54.0	52.9	52.2	46.9	45.1	44.3	40.5	39.2	38.5	37.0	35.9	35.2
98.4	52.9	52.6	52.6	50.7	49.6	49.1	44.3	42.7	42.1	38.1	37.0	36.5	34.3	33.5	32.8
105.0	49.1	49.1	49.1	47.6	46.9	46.5	41.8	40.5	39.9	35.9	35.0	34.6	31.9	31.0	30.6
111.5	45.8	45.8	45.8	44.5	44.3	44.0	39.6	38.5	38.1	34.1	33.2	32.8	29.7	29.1	28.6
118.1	42.7	42.7	42.7	41.4	41.6	41.6	37.9	36.8	36.3	32.4	31.5	31.3	27.7	27.1	26.8
124.7	40.1	40.1		39.0	39.0	39.0	36.1	35.2	34.8	30.6	29.9	29.7	26.0	25.5	25.3
131.2	37.6	37.6		36.3	36.5	36.5	34.3	33.7	33.5	29.3	28.6	28.4	24.2	24.0	23.8
137.8	30.4	30.8		33.7	33.7		32.8	32.4	32.1	27.9	27.3	27.3	22.9	22.4	22.4
144.4	12.1			31.3	31.3		31.3	31.0	31.0	26.6	26.2	26.2	21.3	21.1	21.1
150.9				28.6	29.1		29.1	29.3		25.5	25.1	25.1	20.2	20.0	20.0
157.5				19.6			27.1	27.3		24.4	24.2	24.2	19.1	18.9	18.9
164.0							25.3	25.3		23.5	23.3		18.0	17.8	17.8
177.2							9.0			22.0	21.8		15.6	15.8	
190.3										13.8			13.4	13.6	
203.4													11.6	11.6	



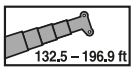


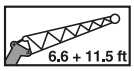


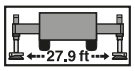
255,736 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 11.5 ft			149.0 ft + 6.6 ft + 11.5 ft			165.7 ft + 6.6 ft + 11.5 ft			182.4 ft + 6.6 ft + 11.5 ft			196.9 ft + 6.6 ft + 11.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
26.2	129.1														
29.5	129.1	129.1		129.1											
32.8	129.1	128.7	122.7	123.0	114.4		99.2								
36.1	129.1	121.4	116.1	115.3	108.6	102.5	93.6	85.9		82.2					
39.4	122.1	114.8	110.2	108.4	102.9	97.8	88.6	81.7	77.6	77.8	72.7		70.1		
45.9	109.1	103.3	99.8	96.7	92.3	89.7	80.0	74.5	70.9	70.1	66.1	63.4	67.6	63.9	61.5
52.5	98.7	94.1	91.2	87.3	83.7	81.7	72.7	68.3	65.4	63.7	60.4	58.2	61.5	58.4	56.4
59.1	89.9	86.2	83.9	79.3	76.5	74.9	66.8	63.0	60.6	58.4	55.5	53.7	56.4	53.7	52.2
65.6	81.1	79.5	77.6	72.7	70.3	69.0	61.7	58.4	56.6	53.7	51.3	50.0	52.0	49.8	48.5
72.2	73.6	73.4	72.3	67.0	65.0	63.9	57.3	54.4	52.9	49.8	47.8	46.5	48.0	46.0	44.7
78.7	67.2	67.2	67.0	62.1	60.4	59.5	53.3	51.1	49.8	46.2	44.5	43.6	43.8	42.3	41.2
85.3	61.7	61.7	61.7	57.7	56.4	55.7	50.0	48.0	46.9	43.2	41.8	41.0	40.3	39.0	38.1
91.9	57.0	56.8	56.8	54.0	52.9	52.2	46.9	45.1	44.3	40.5	39.2	38.5	37.0	35.9	35.2
98.4	52.9	52.6	52.6	50.7	49.6	49.1	44.3	42.7	42.1	38.1	37.0	36.5	34.3	33.5	32.8
105.0	49.1	49.1	49.1	47.6	46.9	46.5	41.8	40.5	39.9	35.9	35.0	34.6	31.9	31.0	30.6
111.5	45.8	45.8	45.8	44.5	44.3	44.0	39.6	38.5	38.1	34.1	33.2	32.8	29.7	29.1	28.6
118.1	42.7	42.7	42.7	41.4	41.6	41.6	37.9	36.8	36.3	32.4	31.5	31.3	27.7	27.1	26.8
124.7	39.0	39.2		39.0	39.0	39.0	36.1	35.2	34.8	30.6	29.9	29.7	26.0	25.5	25.3
131.2	35.4	35.7		36.1	36.3	36.3	34.3	33.7	33.5	29.3	28.6	28.4	24.2	24.0	23.8
137.8	30.4	30.8		33.0	33.2		32.8	32.4	32.1	27.9	27.3	27.3	22.9	22.4	22.4
144.4	12.1			30.2	30.2		31.3	31.0	31.0	26.6	26.2	26.2	21.3	21.1	21.1
150.9				27.5	27.5		28.6	28.8		25.5	25.1	25.1	20.2	20.0	20.0
157.5				19.6			26.4	26.4		24.4	24.2	24.2	19.1	18.9	18.9
164.0							24.2	24.4		23.5	23.3		18.0	17.8	17.8
177.2							9.0			21.6	21.6		15.6	15.8	
190.3										13.8			13.4	13.6	
203.4													11.6	11.6	





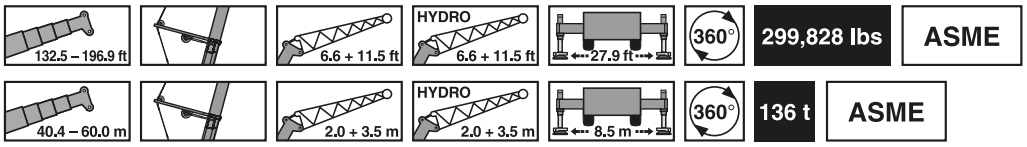


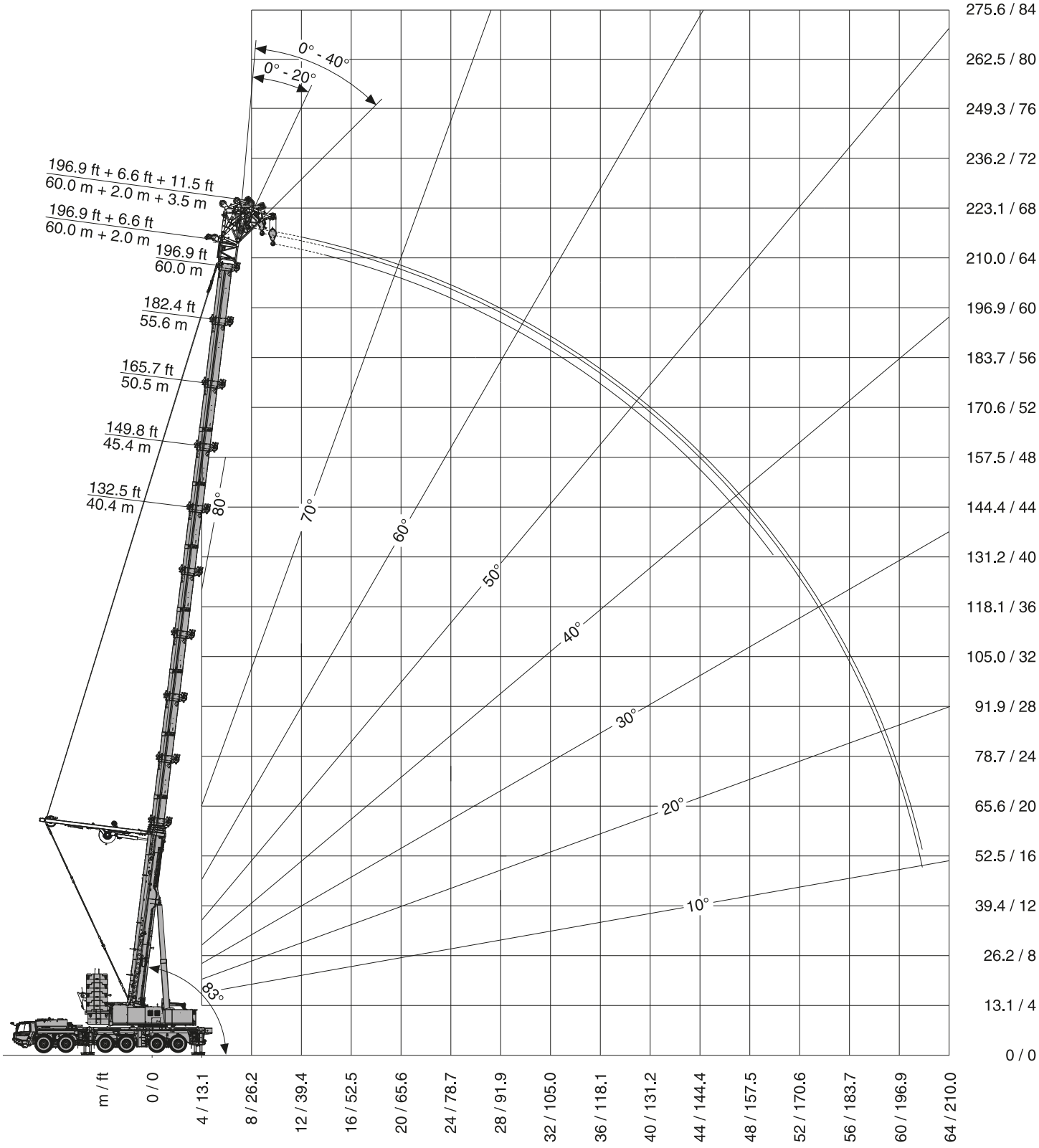
211,644 lbs **ASME**

lbs x 1,000

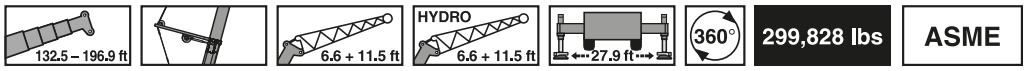
ft	132.5 ft + 6.6 ft + 11.5 ft			149.0 ft + 6.6 ft + 11.5 ft			165.7 ft + 6.6 ft + 11.5 ft			182.4 ft + 6.6 ft + 11.5 ft			196.9 ft + 6.6 ft + 11.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
26.2	129.1														
29.5	129.1	129.1		129.1											
32.8	129.1	128.7	122.7	123.0	114.4		99.2								
36.1	129.1	121.4	116.1	115.3	108.6	102.5	93.6	85.9		82.2					
39.4	122.1	114.8	110.2	108.4	102.9	97.8	88.6	81.7	77.6	77.8	72.7		70.1		
45.9	109.1	103.3	99.8	96.7	92.3	89.7	80.0	74.5	70.9	70.1	66.1	63.4	67.6	63.9	61.5
52.5	98.7	94.1	91.2	87.3	83.7	81.7	72.7	68.3	65.4	63.7	60.4	58.2	61.5	58.4	56.4
59.1	89.9	86.2	83.9	79.3	76.5	74.9	66.8	63.0	60.6	58.4	55.5	53.7	56.4	53.7	52.2
65.6	81.1	79.5	77.6	72.7	70.3	69.0	61.7	58.4	56.6	53.7	51.3	50.0	52.0	49.8	48.5
72.2	73.6	73.4	72.3	67.0	65.0	63.9	57.3	54.4	52.9	49.8	47.8	46.5	48.0	46.0	44.7
78.7	67.2	67.2	67.0	62.1	60.4	59.5	53.3	51.1	49.8	46.2	44.5	43.6	43.8	42.3	41.2
85.3	61.2	61.7	61.7	57.7	56.4	55.7	50.0	48.0	46.9	43.2	41.8	41.0	40.3	39.0	38.1
91.9	54.0	54.6	55.1	54.0	52.9	52.2	46.9	45.1	44.3	40.5	39.2	38.5	37.0	35.9	35.2
98.4	47.8	48.5	48.7	48.7	49.3	49.1	44.3	42.7	42.1	38.1	37.0	36.5	34.3	33.5	32.8
105.0	42.7	43.2	43.4	43.4	43.8	44.3	41.8	40.5	39.9	35.9	35.0	34.6	31.9	31.0	30.6
111.5	38.1	38.5	38.5	38.8	39.2	39.4	39.6	38.5	38.1	34.1	33.2	32.8	29.7	29.1	28.6
118.1	34.1	34.3	34.6	34.8	35.2	35.4	36.1	36.5	36.3	32.4	31.5	31.3	27.7	27.1	26.8
124.7	30.6	30.8		31.3	31.7	31.7	32.6	33.0	33.2	30.6	29.9	29.7	26.0	25.5	25.3
131.2	27.5	27.7		28.2	28.4	28.4	29.5	29.9	29.9	29.3	28.6	28.4	24.2	24.0	23.8
137.8	24.9	24.9		25.3	25.5		26.6	27.1	27.1	27.9	27.3	27.3	22.9	22.4	22.4
144.4	12.1			22.9	23.1		24.2	24.4	24.4	25.3	25.5	25.7	21.3	21.1	21.1
150.9				20.7	20.9		22.0	22.0		23.1	23.3	23.3	20.2	20.0	20.0
157.5				18.7			19.8	20.0		20.9	21.1	21.1	19.1	18.9	18.9
164.0							18.0	18.0		19.1	19.1		18.0	17.8	17.8
177.2							9.0			15.8	15.8		15.6	15.8	
190.3										13.0			13.0	13.0	
203.4													10.5	10.5	

Working range · Rayon de travail · Zona de trabajo





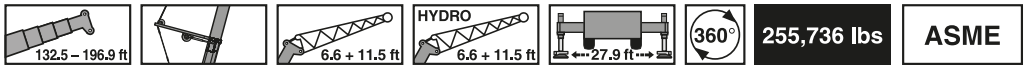
Lifting capacities · Charges de levage · Cargas



299,828 lbs **ASME**

lbs x 1,000

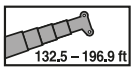
ft	132.5 ft + 6.6 ft + 11.5 ft			149.0 ft + 6.6 ft + 11.5 ft			165.7 ft + 6.6 ft + 11.5 ft			182.4 ft + 6.6 ft + 11.5 ft			196.9 ft + 6.6 ft + 11.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
26.2	129.1														
29.5	129.1	129.1		129.1											
32.8	129.1	129.1	129.1	128.0	126.9		90.3								
36.1	129.1	129.1	129.1	126.9	125.8	126.9	90.3	90.3		72.7					
39.4	129.1	129.1	129.1	125.8	124.7	125.8	90.3	90.3	89.9	70.5	63.9		57.7		
45.9	129.1	129.1	124.1	123.4	122.7	123.6	89.9	90.3	89.9	68.3	63.9	63.9	54.6	54.8	55.1
52.5	129.1	123.0	118.3	120.5	119.7	116.4	88.6	88.8	89.0	65.4	63.9	63.9	54.6	54.8	55.1
59.1	119.0	115.7	112.6	115.3	111.7	109.3	84.8	85.9	86.8	64.8	63.9	63.9	54.6	54.8	54.8
65.6	106.4	103.1	100.9	103.8	100.0	97.4	81.5	83.1	83.1	64.3	63.2	63.7	52.6	53.5	54.4
72.2	95.2	92.3	91.2	92.8	89.7	87.9	79.1	81.7	82.0	61.7	61.5	62.8	50.9	51.5	53.7
78.7	85.7	83.7	82.8	83.5	81.1	80.2	78.2	76.9	76.5	59.3	59.0	60.1	48.9	49.6	52.2
85.3	78.0	76.5	75.6	76.0	74.2	73.1	72.9	71.4	69.6	57.3	56.8	57.9	48.5	48.5	50.2
91.9	71.2	70.1	69.4	69.4	67.9	67.0	67.0	65.2	64.1	56.2	55.5	56.2	47.8	48.5	48.2
98.4	65.4	64.3	64.1	63.4	62.3	61.9	61.5	60.1	59.3	53.7	54.8	55.5	45.8	46.9	46.5
105.0	60.4	59.5	52.4	58.6	57.9	57.5	56.8	55.5	54.8	52.6	52.4	53.1	44.0	44.9	44.9
111.5	54.4	55.1	49.1	54.4	53.7	53.3	52.6	51.5	50.9	50.9	50.2	50.2	42.7	43.4	43.6
118.1	48.5	49.1	46.0	50.7	49.8	43.2	49.1	48.0	47.3	49.1	47.3	47.1	41.6	41.8	42.3
124.7	42.3	42.9		46.5	46.5	40.5	45.6	44.7	44.5	45.6	44.5	43.8	40.1	40.5	41.0
131.2	35.4	36.1		41.6	42.3	38.1	42.5	41.8	37.0	42.5	41.6	41.2	38.8	39.4	39.6
137.8	26.8	27.3		36.8	37.4		39.9	39.2	34.8	39.9	39.0	38.3	37.6	37.9	38.1
144.4	8.3			31.5	32.1		37.0	36.8	32.8	37.2	36.5	28.8	36.3	36.3	35.9
150.9				25.3	25.7		32.8	33.5		35.0	34.3	28.2	34.6	34.3	20.0
157.5				16.3			28.6	29.1		32.8	32.4	27.7	32.8	32.4	18.9
164.0							23.5	24.2		29.7	30.2		30.4	30.4	17.8
177.2							5.5			22.0	22.4		25.7	26.0	
190.3										10.8			19.1	13.6	
203.4													9.7	9.7	

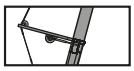
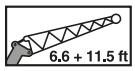


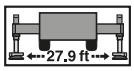
255,736 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 11.5 ft			149.0 ft + 6.6 ft + 11.5 ft			165.7 ft + 6.6 ft + 11.5 ft			182.4 ft + 6.6 ft + 11.5 ft			196.9 ft + 6.6 ft + 11.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
26.2	129.1														
29.5	129.1	129.1		129.1											
32.8	129.1	129.1	129.1	128.0	126.9		90.3								
36.1	129.1	129.1	129.1	126.9	125.8	126.9	90.3	90.3		72.7					
39.4	129.1	129.1	129.1	125.8	124.7	125.8	90.3	90.3	89.9	70.5	63.9		57.7		
45.9	129.1	129.1	124.1	123.4	122.7	123.6	89.9	90.3	89.9	68.3	63.9	63.9	54.6	54.8	55.1
52.5	129.1	123.0	118.3	120.5	119.7	116.4	88.6	88.8	89.0	65.4	63.9	63.9	54.6	54.8	55.1
59.1	119.0	115.7	112.6	115.3	111.7	109.3	84.8	85.9	86.8	64.8	63.9	63.9	54.6	54.8	54.8
65.6	106.4	103.1	100.9	103.8	100.0	97.4	81.5	83.1	83.1	64.3	63.2	63.7	52.6	53.5	54.4
72.2	95.2	92.3	91.2	92.8	89.7	87.9	79.1	81.7	82.0	61.7	61.5	62.8	50.9	51.5	53.7
78.7	83.3	83.7	82.8	83.5	81.1	80.2	78.2	76.9	76.5	59.3	59.0	60.1	48.9	49.6	52.2
85.3	73.6	74.5	74.9	74.5	74.2	73.1	72.9	71.4	69.6	57.3	56.8	57.9	48.5	48.5	50.2
91.9	65.2	65.9	66.3	66.3	67.2	67.0	67.0	65.2	64.1	56.2	55.5	56.2	47.8	48.5	48.2
98.4	57.7	58.6	58.8	58.8	59.7	60.1	60.6	60.1	59.3	53.7	54.8	55.5	45.8	46.9	46.5
105.0	51.5	52.2	52.4	52.6	53.3	53.5	54.4	55.1	54.8	52.6	52.4	53.1	44.0	44.9	44.9
111.5	46.0	46.5	46.7	47.1	47.8	48.0	48.9	49.3	49.8	50.2	50.2	50.2	42.7	43.4	43.6
118.1	41.2	41.6	41.6	42.3	42.9	42.9	44.0	44.5	44.9	45.6	46.0	46.5	41.6	41.8	42.3
124.7	37.0	37.4		38.1	38.5	38.8	39.9	40.3	40.5	41.2	41.8	42.1	40.1	40.5	41.0
131.2	33.2	33.5		34.3	34.8	34.8	36.1	36.3	36.5	37.4	37.9	38.1	37.6	38.3	38.5
137.8	26.8	27.3		31.0	31.3		32.6	33.0	33.0	34.1	34.6	34.6	34.3	34.8	35.0
144.4	8.3			27.9	28.2		29.7	29.9	29.9	31.0	31.3	28.8	31.3	31.7	31.9
150.9				25.3	25.3		26.8	27.1		28.2	28.6	28.2	28.4	28.8	20.0
157.5				16.3			24.4	24.6		25.7	26.0	26.0	26.0	26.2	18.9
164.0							22.0	22.2		23.5	23.8		23.8	24.0	17.8
177.2							5.5			19.4	19.6		19.6	19.8	
190.3										10.8			16.0	13.6	
203.4													9.7	9.7	



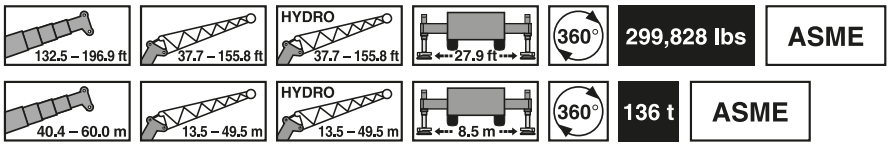


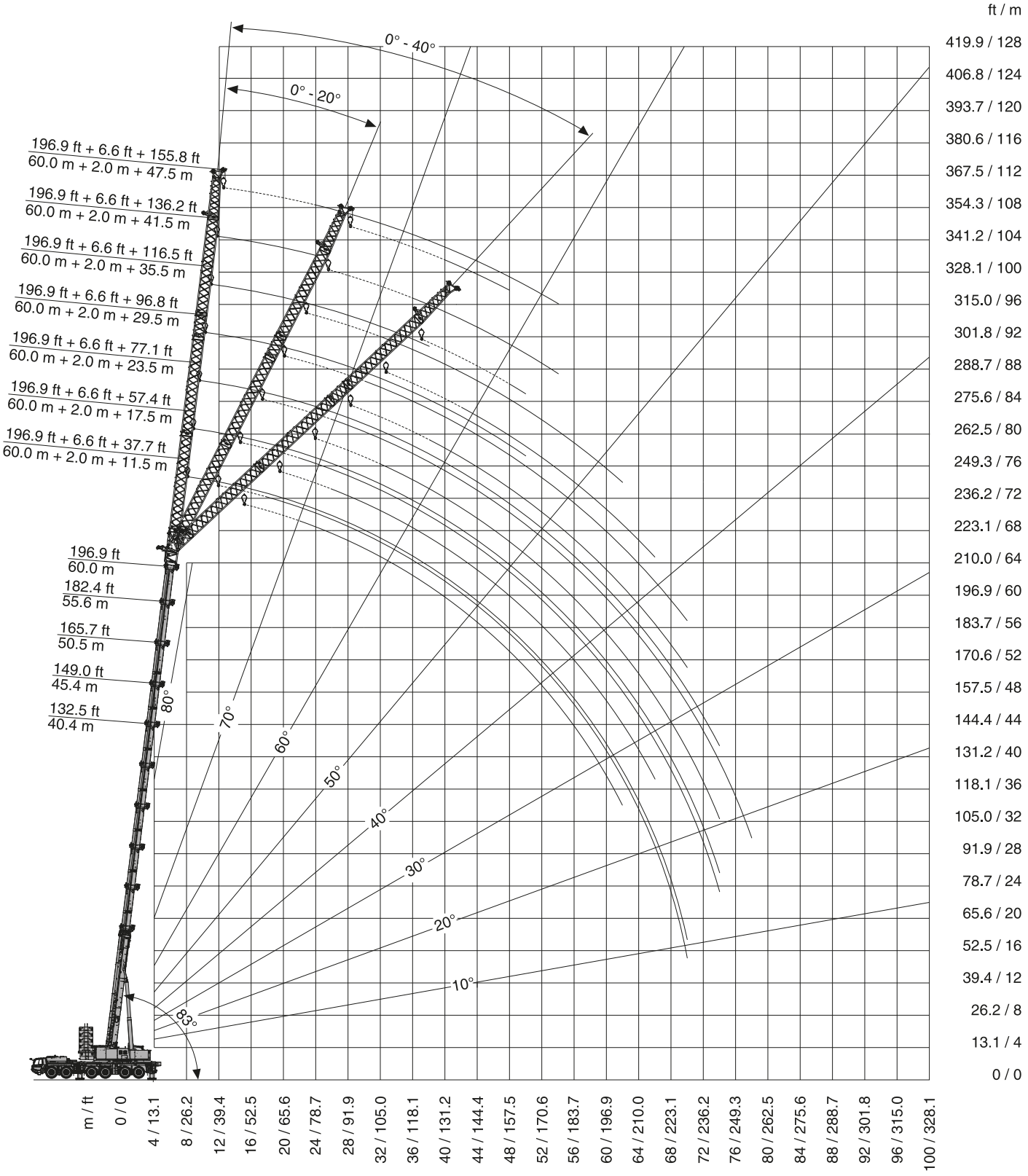
211,644 lbs **ASME**

lbs x 1,000

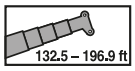
ft	132.5 ft + 6.6 ft + 11.5 ft			149.0 ft + 6.6 ft + 11.5 ft			165.7 ft + 6.6 ft + 11.5 ft			182.4 ft + 6.6 ft + 11.5 ft			196.9 ft + 6.6 ft + 11.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
26.2	129.1														
29.5	129.1	129.1		129.1											
32.8	129.1	129.1	129.1	128.0	126.9		90.3								
36.1	129.1	129.1	129.1	126.9	125.8	126.9	90.3	90.3		72.7					
39.4	129.1	129.1	129.1	125.8	124.7	125.8	90.3	90.3	89.9	70.5	63.9		57.7		
45.9	129.1	129.1	124.1	123.4	122.7	123.6	89.9	90.3	89.9	68.3	63.9	63.9	54.6	54.8	55.1
52.5	125.8	123.0	118.3	120.5	119.7	116.4	88.6	88.8	89.0	65.4	63.9	63.9	54.6	54.8	55.1
59.1	108.0	109.7	111.3	106.2	108.2	109.3	84.8	85.9	86.8	64.8	63.9	63.9	54.6	54.8	54.8
65.6	93.9	95.4	96.3	92.5	94.1	95.4	81.5	83.1	83.1	64.3	63.2	63.7	52.6	53.5	54.4
72.2	80.9	82.2	82.8	81.5	82.8	83.7	79.1	81.7	82.0	61.7	61.5	62.8	50.9	51.5	53.7
78.7	69.8	71.2	71.8	70.9	72.3	72.9	72.3	73.4	74.2	59.3	59.0	60.1	48.9	49.6	52.2
85.3	60.8	61.9	62.3	61.9	63.0	63.7	63.7	64.8	65.4	57.3	56.8	57.9	48.5	48.5	50.2
91.9	53.3	54.2	54.6	54.4	55.3	55.7	56.2	57.0	57.5	56.2	55.5	56.2	47.8	48.5	48.2
98.4	46.9	47.6	47.8	48.0	48.7	49.1	49.8	50.4	50.9	51.1	52.0	52.4	45.8	46.9	46.5
105.0	41.4	41.8	42.1	42.5	43.2	43.4	44.0	44.9	45.1	45.6	46.2	46.7	44.0	44.9	44.9
111.5	36.5	37.0	37.2	37.6	38.3	38.5	39.4	39.9	40.3	40.7	41.4	41.8	41.2	41.8	42.3
118.1	32.4	32.8	32.8	33.5	33.9	34.1	35.0	35.7	35.9	36.5	37.2	37.4	36.8	37.4	37.9
124.7	28.6	28.8		29.7	30.2	30.2	31.5	31.9	32.1	32.8	33.2	33.7	33.0	33.7	33.9
131.2	25.3	25.5		26.4	26.8	26.8	28.2	28.4	28.6	29.5	29.9	30.2	29.7	30.4	30.6
137.8	22.4	22.4		23.5	23.8		25.1	25.5	25.5	26.6	26.8	27.1	26.8	27.3	27.5
144.4	8.3			20.9	21.1		22.4	22.7	22.9	23.8	24.2	24.4	24.2	24.4	24.6
150.9				18.5	18.5		20.0	20.2		21.3	21.8	21.8	21.8	22.0	20.0
157.5				16.3			17.8	18.0		19.1	19.6	19.6	19.6	19.8	18.9
164.0							15.8	16.0		17.1	17.4		17.4	17.8	17.8
177.2							5.5			13.6	13.8		13.8	14.1	
190.3										10.8			10.8	11.0	
203.4													8.1	8.1	

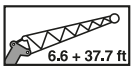
Working range · Rayon de travail · Zona de trabajo

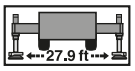




Lifting capacities · Charges de levage · Cargas



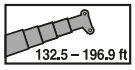


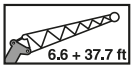


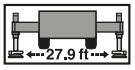
299,828 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 37.7 ft			149.0 ft + 6.6 ft + 37.7 ft			165.7 ft + 6.6 ft + 37.7 ft			182.4 ft + 6.6 ft + 37.7 ft			196.9 ft + 6.6 ft + 37.7 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
29.5	104.4														
32.8	104.4			92.8											
36.1	104.4			92.8			72.9								
39.4	104.4			92.8			72.9			57.9					
45.9	95.0	82.2		85.9	70.9		68.3			57.9			50.2		
52.5	85.5	75.1	65.6	78.0	65.4		61.9	52.2		55.9	47.8		50.2		
59.1	77.8	69.0	63.4	70.9	60.8	54.6	56.6	48.2	42.7	50.9	44.5		49.1	42.3	
65.6	71.2	63.9	59.5	65.0	56.6	51.3	52.0	44.9	40.7	46.7	41.2	36.8	45.1	39.4	
72.2	65.6	59.5	55.5	59.7	53.1	48.5	48.0	42.1	38.3	43.2	38.5	35.0	41.2	36.5	31.5
78.7	60.8	55.5	52.2	55.3	50.0	45.8	44.7	39.4	36.1	40.1	35.9	33.5	37.4	33.5	29.7
85.3	56.6	52.0	49.3	51.3	47.1	43.6	41.6	37.0	34.3	37.2	33.7	31.7	34.1	31.0	28.2
91.9	52.9	48.9	46.5	47.8	44.7	41.6	39.0	35.0	32.6	34.8	31.7	29.9	31.5	28.6	26.6
98.4	49.6	46.2	44.0	44.7	42.3	39.6	36.5	33.0	31.0	32.8	29.9	28.4	28.8	26.6	25.3
105.0	46.7	43.6	42.1	42.1	39.9	37.9	34.6	31.3	29.5	30.8	28.4	26.8	26.6	24.6	23.8
111.5	44.0	41.4	40.1	39.6	37.6	36.3	32.6	29.7	28.2	29.1	26.8	25.5	24.6	23.1	22.2
118.1	41.6	39.4	38.1	37.4	35.7	34.8	30.8	28.4	27.1	27.5	25.5	24.4	22.9	21.6	20.9
124.7	39.0	37.6	36.5	35.4	33.9	33.0	29.3	27.1	26.0	26.0	24.2	23.3	21.3	20.2	19.6
131.2	36.5	35.9	35.0	33.5	32.1	31.5	27.9	26.0	24.9	24.6	23.1	22.2	19.8	18.9	18.5
137.8	34.1	34.3	33.7	31.9	30.8	30.2	26.6	24.9	24.0	23.5	22.0	21.3	18.5	17.8	17.4
144.4	31.7	32.4	32.6	30.4	29.3	28.8	25.3	23.8	23.1	22.2	21.1	20.5	17.4	16.7	16.3
150.9	29.5	30.2		28.6	28.2	27.7	24.2	22.9	22.2	21.3	20.2	19.6	16.3	15.6	15.4
157.5	27.7	27.9		26.6	26.8	26.6	23.3	22.0	21.3	20.5	19.4	18.9	15.2	14.7	14.5
164.0	21.3	24.4		24.9	25.3		22.4	21.3	20.7	19.6	18.7	18.2	14.3	13.8	13.8
177.2				20.5	22.0		20.7	19.8		18.0	17.1	16.9	12.5	12.3	12.3
190.3							18.7	18.7		16.5	16.0	15.8	11.2	11.0	11.2
203.4							4.4			15.4	14.9		9.9	9.9	10.1
216.5										8.8	11.0		8.8	8.8	
229.7													7.7	7.9	



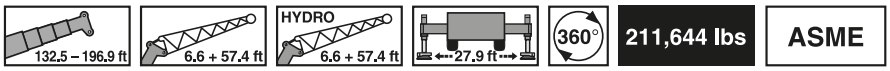




255,736 lbs **ASME**

lbs x 1,000

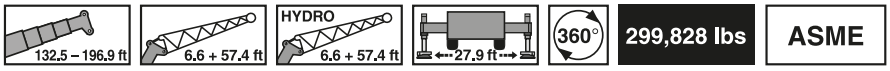
ft	132.5 ft + 6.6 ft + 37.7 ft			149.0 ft + 6.6 ft + 37.7 ft			165.7 ft + 6.6 ft + 37.7 ft			182.4 ft + 6.6 ft + 37.7 ft			196.9 ft + 6.6 ft + 37.7 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
29.5	104.4														
32.8	104.4			92.8											
36.1	104.4			92.8			72.9								
39.4	104.4			92.8			72.9			57.9					
45.9	95.0	82.2		85.9	70.9		68.3			57.9			50.2		
52.5	85.5	75.1	65.6	78.0	65.4		61.9	52.2		55.9	47.8		50.2		
59.1	77.8	69.0	63.4	70.9	60.8	54.6	56.6	48.2	42.7	50.9	44.5		49.1	42.3	
65.6	71.2	63.9	59.5	65.0	56.6	51.3	52.0	44.9	40.7	46.7	41.2	36.8	45.1	39.4	
72.2	65.6	59.5	55.5	59.7	53.1	48.5	48.0	42.1	38.3	43.2	38.5	35.0	41.2	36.5	31.5
78.7	60.8	55.5	52.2	55.3	50.0	45.8	44.7	39.4	36.1	40.1	35.9	33.5	37.4	33.5	29.7
85.3	56.6	52.0	49.3	51.3	47.1	43.6	41.6	37.0	34.3	37.2	33.7	31.7	34.1	31.0	28.2
91.9	52.9	48.9	46.5	47.8	44.7	41.6	39.0	35.0	32.6	34.8	31.7	29.9	31.5	28.6	26.6
98.4	49.6	46.2	44.0	44.7	42.3	39.6	36.5	33.0	31.0	32.8	29.9	28.4	28.8	26.6	25.3
105.0	46.7	43.6	42.1	42.1	39.9	37.9	34.6	31.3	29.5	30.8	28.4	26.8	26.6	24.6	23.8
111.5	44.0	41.4	40.1	39.6	37.6	36.3	32.6	29.7	28.2	29.1	26.8	25.5	24.6	23.1	22.2
118.1	41.6	39.4	38.1	37.4	35.7	34.8	30.8	28.4	27.1	27.5	25.5	24.4	22.9	21.6	20.9
124.7	39.0	37.6	36.5	35.4	33.9	33.0	29.3	27.1	26.0	26.0	24.2	23.3	21.3	20.2	19.6
131.2	36.5	35.9	35.0	33.5	32.1	31.5	27.9	26.0	24.9	24.6	23.1	22.2	19.8	18.9	18.5
137.8	33.9	34.3	33.7	31.9	30.8	30.2	26.6	24.9	24.0	23.5	22.0	21.3	18.5	17.8	17.4
144.4	31.0	32.1	32.6	30.4	29.3	28.8	25.3	23.8	23.1	22.2	21.1	20.5	17.4	16.7	16.3
150.9	28.4	29.3		28.6	28.2	27.7	24.2	22.9	22.2	21.3	20.2	19.6	16.3	15.6	15.4
157.5	26.2	26.8		26.4	26.8	26.6	23.3	22.0	21.3	20.5	19.4	18.9	15.2	14.7	14.5
164.0	21.3	24.4		24.2	25.1		22.4	21.3	20.7	19.6	18.7	18.2	14.3	13.8	13.8
177.2				20.5	20.9		20.7	19.8		18.0	17.1	16.9	12.5	12.3	12.3
190.3							18.0	18.5		16.5	16.0	15.8	11.2	11.0	11.2
203.4							4.4			15.4	14.9		9.9	9.9	10.1
216.5										8.8	11.0		8.8	8.8	
229.7													7.7	7.9	



211,644 lbs **ASME**

lbs x 1,000

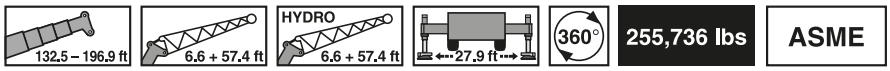
ft	132.5 ft + 6.6 ft + 37.7 ft			149.0 ft + 6.6 ft + 37.7 ft			165.7 ft + 6.6 ft + 37.7 ft			182.4 ft + 6.6 ft + 37.7 ft			196.9 ft + 6.6 ft + 37.7 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
29.5	104.4														
32.8	104.4			92.8											
36.1	104.4			92.8			72.9								
39.4	104.4			92.8			72.9			57.9					
45.9	95.0	82.2		85.9	70.9		68.3			57.9			50.2		
52.5	85.5	75.1	65.6	78.0	65.4		61.9	52.2		55.9	47.8		50.2		
59.1	77.8	69.0	63.4	70.9	60.8	54.6	56.6	48.2	42.7	50.9	44.5		49.1	42.3	
65.6	71.2	63.9	59.5	65.0	56.6	51.3	52.0	44.9	40.7	46.7	41.2	36.8	45.1	39.4	
72.2	65.6	59.5	55.5	59.7	53.1	48.5	48.0	42.1	38.3	43.2	38.5	35.0	41.2	36.5	31.5
78.7	60.8	55.5	52.2	55.3	50.0	45.8	44.7	39.4	36.1	40.1	35.9	33.5	37.4	33.5	29.7
85.3	56.6	52.0	49.3	51.3	47.1	43.6	41.6	37.0	34.3	37.2	33.7	31.7	34.1	31.0	28.2
91.9	52.9	48.9	46.5	47.8	44.7	41.6	39.0	35.0	32.6	34.8	31.7	29.9	31.5	28.6	26.6
98.4	49.6	46.2	44.0	44.7	42.3	39.6	36.5	33.0	31.0	32.8	29.9	28.4	28.8	26.6	25.3
105.0	44.3	43.6	42.1	42.1	39.9	37.9	34.6	31.3	29.5	30.8	28.4	26.8	26.6	24.6	23.8
111.5	39.9	41.4	40.1	39.6	37.6	36.3	32.6	29.7	28.2	29.1	26.8	25.5	24.6	23.1	22.2
118.1	35.9	37.6	38.1	36.3	35.7	34.8	30.8	28.4	27.1	27.5	25.5	24.4	22.9	21.6	20.9
124.7	32.4	33.9	34.8	32.8	33.9	33.0	29.3	27.1	26.0	26.0	24.2	23.3	21.3	20.2	19.6
131.2	29.3	30.6	31.3	29.5	31.0	31.5	27.9	26.0	24.9	24.6	23.1	22.2	19.8	18.9	18.5
137.8	26.4	27.5	28.2	26.8	28.2	29.1	26.6	24.9	24.0	23.5	22.0	21.3	18.5	17.8	17.4
144.4	24.0	24.9	25.3	24.2	25.5	26.2	24.9	23.8	23.1	22.2	21.1	20.5	17.4	16.7	16.3
150.9	21.8	22.4		22.0	23.1	23.5	22.7	22.9	22.2	21.3	20.2	19.6	16.3	15.6	15.4
157.5	19.6	20.2		20.0	20.9	21.1	20.7	21.6	21.3	20.5	19.4	18.9	15.2	14.7	14.5
164.0	17.8	18.2		18.0	18.9		18.7	19.6	20.0	19.6	18.7	18.2	14.3	13.8	13.8
177.2				14.7	15.2		15.4	16.0		16.3	16.9	16.9	12.5	12.3	12.3
190.3							12.7	13.2		13.4	14.1	14.1	11.2	11.0	11.2
203.4							4.4			11.0	11.4		9.9	9.9	10.1
216.5										8.8	9.0		8.5	8.8	
229.7													6.8	6.8	



299,828 lbs **ASME**

lbs x 1,000

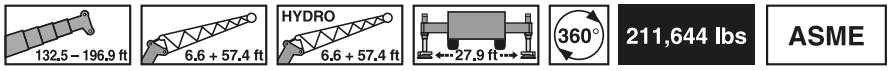
ft	132.5 ft + 6.6 ft + 57.4 ft			149.0 ft + 6.6 ft + 57.4 ft			165.7 ft + 6.6 ft + 57.4 ft			182.4 ft + 6.6 ft + 57.4 ft			196.9 ft + 6.6 ft + 57.4 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
32.8	87.5														
36.1	87.5			70.3											
39.4	87.5			70.3			55.9								
45.9	82.0			70.3			55.9			45.1					
52.5	76.0	53.3		68.5			55.5			45.1			39.4		
59.1	70.7	50.7		62.8	49.8		50.7	40.3		45.1			39.4		
65.6	64.8	48.2		57.7	47.6		46.5	38.1		42.1	34.1		39.4		
72.2	59.7	46.2	38.1	53.5	44.9		42.9	36.1		38.8	32.1		36.5	28.8	
78.7	55.3	44.3	37.0	49.8	42.3	36.5	39.9	33.9	28.8	35.9	30.6		33.2	26.8	
85.3	51.3	42.7	35.9	46.5	40.1	35.4	37.0	31.9	27.7	33.5	28.8	25.3	30.2	25.3	21.3
91.9	48.0	41.0	35.0	43.6	37.9	34.6	34.8	30.2	26.8	31.3	27.5	24.2	27.7	23.8	20.2
98.4	44.9	39.6	34.1	41.2	35.9	33.0	32.6	28.6	26.0	29.3	26.2	23.3	25.3	22.2	19.4
105.0	42.3	38.3	33.2	38.5	34.1	31.5	30.6	27.1	25.1	27.5	24.6	22.4	23.3	21.1	18.5
111.5	39.9	36.8	32.6	36.3	32.6	30.2	28.8	25.7	23.8	26.0	23.3	21.6	21.6	19.8	17.6
118.1	37.6	35.0	31.9	34.1	31.0	29.1	27.3	24.4	22.9	24.4	22.2	20.7	20.0	18.5	16.7
124.7	35.7	33.2	31.3	32.4	29.7	27.9	26.0	23.3	21.8	23.1	21.1	20.0	18.5	17.1	16.0
131.2	33.9	31.7	30.6	30.6	28.4	26.8	24.6	22.2	20.9	22.0	20.2	19.1	17.1	16.0	15.4
137.8	32.4	30.4	29.5	29.1	27.3	26.0	23.3	21.3	20.2	20.7	19.1	18.2	16.0	15.2	14.7
144.4	30.8	29.1	28.2	27.7	26.2	25.1	22.2	20.5	19.4	19.8	18.2	17.6	14.7	14.1	13.8
150.9	29.3	27.9	27.3	26.4	25.3	24.2	21.3	19.6	18.7	18.9	17.6	16.9	13.8	13.2	13.0
157.5	27.3	26.8	26.2	25.1	24.2	23.3	20.5	18.9	18.0	18.0	16.7	16.3	13.0	12.3	12.3
164.0	25.5	26.0	25.5	24.0	23.1	22.7	19.6	18.0	17.4	17.1	16.0	15.6	12.1	11.6	11.6
177.2	22.2	22.9		21.1	21.3	21.1	18.0	16.9	16.3	15.6	14.7	14.5	10.5	10.3	10.3
190.3				18.5	19.1		16.7	15.8	15.4	14.1	13.4	13.2	9.2	9.0	9.2
203.4				9.7	13.2		15.6	14.7		12.7	12.3	12.1	7.9	7.9	8.1
216.5							11.0	13.8		11.4	11.2		7.0	7.0	7.2
229.7										10.5	10.3		6.1	6.1	
242.8													5.5	5.5	



255,736 lbs **ASME**

lbs x 1,000

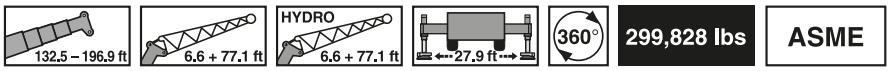
ft	132.5 ft + 6.6 ft + 57.4 ft			149.0 ft + 6.6 ft + 57.4 ft			165.7 ft + 6.6 ft + 57.4 ft			182.4 ft + 6.6 ft + 57.4 ft			196.9 ft + 6.6 ft + 57.4 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
32.8	87.5														
36.1	87.5			70.3											
39.4	87.5			70.3			55.9								
45.9	82.0			70.3			55.9			45.1					
52.5	76.0	53.3		68.5			55.5			45.1			39.4		
59.1	70.7	50.7		62.8	49.8		50.7	40.3		45.1			39.4		
65.6	64.8	48.2		57.7	47.6		46.5	38.1		42.1	34.1		39.4		
72.2	59.7	46.2	38.1	53.5	44.9		42.9	36.1		38.8	32.1		36.5	28.8	
78.7	55.3	44.3	37.0	49.8	42.3	36.5	39.9	33.9	28.8	35.9	30.6		33.2	26.8	
85.3	51.3	42.7	35.9	46.5	40.1	35.4	37.0	31.9	27.7	33.5	28.8	25.3	30.2	25.3	21.3
91.9	48.0	41.0	35.0	43.6	37.9	34.6	34.8	30.2	26.8	31.3	27.5	24.2	27.7	23.8	20.2
98.4	44.9	39.6	34.1	41.2	35.9	33.0	32.6	28.6	26.0	29.3	26.2	23.3	25.3	22.2	19.4
105.0	42.3	38.3	33.2	38.5	34.1	31.5	30.6	27.1	25.1	27.5	24.6	22.4	23.3	21.1	18.5
111.5	39.9	36.8	32.6	36.3	32.6	30.2	28.8	25.7	23.8	26.0	23.3	21.6	21.6	19.8	17.6
118.1	37.6	35.0	31.9	34.1	31.0	29.1	27.3	24.4	22.9	24.4	22.2	20.7	20.0	18.5	16.7
124.7	35.7	33.2	31.3	32.4	29.7	27.9	26.0	23.3	21.8	23.1	21.1	20.0	18.5	17.1	16.0
131.2	33.9	31.7	30.6	30.6	28.4	26.8	24.6	22.2	20.9	22.0	20.2	19.1	17.1	16.0	15.4
137.8	32.4	30.4	29.5	29.1	27.3	26.0	23.3	21.3	20.2	20.7	19.1	18.2	16.0	15.2	14.7
144.4	30.8	29.1	28.2	27.7	26.2	25.1	22.2	20.5	19.4	19.8	18.2	17.6	14.7	14.1	13.8
150.9	29.3	27.9	27.3	26.4	25.3	24.2	21.3	19.6	18.7	18.9	17.6	16.9	13.8	13.2	13.0
157.5	27.1	26.8	26.2	25.1	24.2	23.3	20.5	18.9	18.0	18.0	16.7	16.3	13.0	12.3	12.3
164.0	24.9	26.0	25.5	24.0	23.1	22.7	19.6	18.0	17.4	17.1	16.0	15.6	12.1	11.6	11.6
177.2	21.1	21.8		21.1	21.3	21.1	18.0	16.9	16.3	15.6	14.7	14.5	10.5	10.3	10.3
190.3				17.8	18.5		16.7	15.8	15.4	14.1	13.4	13.2	9.2	9.0	9.2
203.4				9.7	13.2		15.6	14.7		12.7	12.3	12.1	7.9	7.9	8.1
216.5							11.0	13.6		11.4	11.2		7.0	7.0	7.2
229.7										10.5	10.3		6.1	6.1	
242.8													5.5	5.5	



211,644 lbs **ASME**

lbs x 1,000

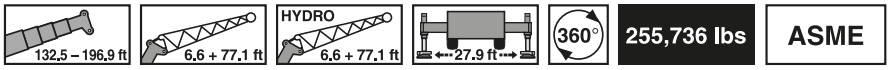
ft	132.5 ft + 6.6 ft + 57.4 ft			149.0 ft + 6.6 ft + 57.4 ft			165.7 ft + 6.6 ft + 57.4 ft			182.4 ft + 6.6 ft + 57.4 ft			196.9 ft + 6.6 ft + 57.4 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
32.8	87.5														
36.1	87.5			70.3											
39.4	87.5			70.3			55.9								
45.9	82.0			70.3			55.9			45.1					
52.5	76.0	53.3		68.5			55.5			45.1			39.4		
59.1	70.7	50.7		62.8	49.8		50.7	40.3		45.1			39.4		
65.6	64.8	48.2		57.7	47.6		46.5	38.1		42.1	34.1		39.4		
72.2	59.7	46.2	38.1	53.5	44.9		42.9	36.1		38.8	32.1		36.5	28.8	
78.7	55.3	44.3	37.0	49.8	42.3	36.5	39.9	33.9	28.8	35.9	30.6		33.2	26.8	
85.3	51.3	42.7	35.9	46.5	40.1	35.4	37.0	31.9	27.7	33.5	28.8	25.3	30.2	25.3	21.3
91.9	48.0	41.0	35.0	43.6	37.9	34.6	34.8	30.2	26.8	31.3	27.5	24.2	27.7	23.8	20.2
98.4	44.9	39.6	34.1	41.2	35.9	33.0	32.6	28.6	26.0	29.3	26.2	23.3	25.3	22.2	19.4
105.0	42.3	38.3	33.2	38.5	34.1	31.5	30.6	27.1	25.1	27.5	24.6	22.4	23.3	21.1	18.5
111.5	39.9	36.8	32.6	36.3	32.6	30.2	28.8	25.7	23.8	26.0	23.3	21.6	21.6	19.8	17.6
118.1	37.0	35.0	31.9	34.1	31.0	29.1	27.3	24.4	22.9	24.4	22.2	20.7	20.0	18.5	16.7
124.7	33.5	33.2	31.3	32.4	29.7	27.9	26.0	23.3	21.8	23.1	21.1	20.0	18.5	17.1	16.0
131.2	30.2	31.7	30.6	30.2	28.4	26.8	24.6	22.2	20.9	22.0	20.2	19.1	17.1	16.0	15.4
137.8	27.5	29.5	29.5	27.3	27.3	26.0	23.3	21.3	20.2	20.7	19.1	18.2	16.0	15.2	14.7
144.4	24.9	26.6	27.9	24.9	26.2	25.1	22.2	20.5	19.4	19.8	18.2	17.6	14.7	14.1	13.8
150.9	22.7	24.2	25.3	22.7	24.4	24.2	21.3	19.6	18.7	18.9	17.6	16.9	13.8	13.2	13.0
157.5	20.5	22.0	22.7	20.5	22.2	23.1	20.5	18.9	18.0	18.0	16.7	16.3	13.0	12.3	12.3
164.0	18.7	19.8	20.5	18.7	20.0	20.9	19.4	18.0	17.4	17.1	16.0	15.6	12.1	11.6	11.6
177.2	15.4	16.0		15.4	16.5	16.9	16.0	16.9	16.3	15.6	14.7	14.5	10.5	10.3	10.3
190.3				12.5	13.2		13.2	14.1	14.5	13.4	13.4	13.2	9.2	9.0	9.2
203.4				9.7	10.5		10.8	11.4		11.0	11.9	12.1	7.9	7.9	8.1
216.5							8.5	9.0		9.0	9.7		7.0	7.0	7.2
229.7										7.2	7.4		6.1	6.1	
242.8													5.0	5.5	



299,828 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 77.1 ft			149.0 ft + 6.6 ft + 77.1 ft			165.7 ft + 6.6 ft + 77.1 ft			182.4 ft + 6.6 ft + 77.1 ft			196.9 ft + 6.6 ft + 77.1 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
36.1	68.1														
39.4	65.2														
45.9	59.9			58.4			46.5								
52.5	55.3			54.2			46.5			37.2			32.6		
59.1	51.3			50.7			45.6			37.2			32.6		
65.6	47.8	33.7		47.3			41.8			37.2			32.6		
72.2	44.9	32.1		44.5	31.7		38.5	29.9		35.2			32.6		
78.7	42.1	30.6		42.1	30.4		35.9	28.4		32.8	25.7		29.9		
85.3	39.6	29.3	24.0	39.9	29.1		33.2	27.1		30.4	24.4		27.3	20.5	
91.9	37.6	28.2	23.3	37.9	27.9	23.1	31.0	25.7		28.4	23.3		24.9	19.1	
98.4	35.7	27.1	22.7	35.9	27.1	22.4	29.3	24.6	20.9	26.6	22.2	19.1	22.7	18.0	
105.0	33.9	26.2	22.0	34.3	26.0	21.8	27.5	23.5	20.0	24.9	21.1	18.5	20.9	16.9	14.3
111.5	32.4	25.1	21.6	32.8	25.1	21.3	25.7	22.4	19.4	23.3	20.2	17.8	19.1	16.0	13.6
118.1	30.8	24.4	20.9	31.3	24.4	20.9	24.4	21.3	18.7	22.0	19.4	17.1	17.6	14.9	13.0
124.7	29.5	23.5	20.5	29.5	23.5	20.5	23.1	20.5	18.2	20.9	18.5	16.5	16.3	14.3	12.5
131.2	28.4	22.9	20.0	28.2	22.9	20.0	21.8	19.6	17.6	19.8	17.8	15.8	14.9	13.4	11.9
137.8	27.3	22.2	19.6	26.8	22.2	19.6	20.7	18.7	17.1	18.7	16.9	15.4	13.8	12.7	11.2
144.4	26.2	21.6	19.4	25.5	21.6	19.1	19.8	17.8	16.7	17.8	16.3	14.7	12.7	12.1	10.8
150.9	25.3	21.1	19.1	24.4	21.1	18.9	18.9	16.9	16.0	16.9	15.4	14.3	11.9	11.2	10.3
157.5	24.4	20.5	18.7	23.3	20.7	18.7	18.0	16.3	15.4	16.0	14.7	13.8	11.0	10.5	9.9
164.0	23.8	20.0	18.5	22.2	20.2	18.2	17.1	15.6	14.9	15.2	14.1	13.4	10.1	9.7	9.4
177.2	22.0	19.4	18.2	20.5	19.1	18.0	15.8	14.5	13.8	13.4	12.5	12.1	8.8	8.5	8.5
190.3	19.1	18.9	18.2	18.2	17.8	17.1	14.3	13.4	13.0	11.9	11.2	11.0	7.4	7.4	7.4
203.4	13.0	17.4		15.8	16.3	16.3	13.0	12.1	11.9	10.5	10.1	9.9	6.3	6.3	6.6
216.5				12.5	14.3		11.6	11.2	11.0	9.2	9.0	8.8	5.5	5.5	5.7
229.7							10.8	10.3		8.3	8.1	8.1	4.6	4.6	5.0
242.8										7.4	7.2		3.9	3.9	4.1
255.9										3.9	6.6		3.3	3.5	



255,736 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 77.1 ft			149.0 ft + 6.6 ft + 77.1 ft			165.7 ft + 6.6 ft + 77.1 ft			182.4 ft + 6.6 ft + 77.1 ft			196.9 ft + 6.6 ft + 77.1 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
36.1	68.1														
39.4	65.2														
45.9	59.9			58.4			46.5								
52.5	55.3			54.2			46.5			37.2			32.6		
59.1	51.3			50.7			45.6			37.2			32.6		
65.6	47.8	33.7		47.3			41.8			37.2			32.6		
72.2	44.9	32.1		44.5	31.7		38.5	29.9		35.2			32.6		
78.7	42.1	30.6		42.1	30.4		35.9	28.4		32.8	25.7		29.9		
85.3	39.6	29.3	24.0	39.9	29.1		33.2	27.1		30.4	24.4		27.3	20.5	
91.9	37.6	28.2	23.3	37.9	27.9	23.1	31.0	25.7		28.4	23.3		24.9	19.1	
98.4	35.7	27.1	22.7	35.9	27.1	22.4	29.3	24.6	20.9	26.6	22.2	19.1	22.7	18.0	
105.0	33.9	26.2	22.0	34.3	26.0	21.8	27.5	23.5	20.0	24.9	21.1	18.5	20.9	16.9	14.3
111.5	32.4	25.1	21.6	32.8	25.1	21.3	25.7	22.4	19.4	23.3	20.2	17.8	19.1	16.0	13.6
118.1	30.8	24.4	20.9	31.3	24.4	20.9	24.4	21.3	18.7	22.0	19.4	17.1	17.6	14.9	13.0
124.7	29.5	23.5	20.5	29.5	23.5	20.5	23.1	20.5	18.2	20.9	18.5	16.5	16.3	14.3	12.5
131.2	28.4	22.9	20.0	28.2	22.9	20.0	21.8	19.6	17.6	19.8	17.8	15.8	14.9	13.4	11.9
137.8	27.3	22.2	19.6	26.8	22.2	19.6	20.7	18.7	17.1	18.7	16.9	15.4	13.8	12.7	11.2
144.4	26.2	21.6	19.4	25.5	21.6	19.1	19.8	17.8	16.7	17.8	16.3	14.7	12.7	12.1	10.8
150.9	25.3	21.1	19.1	24.4	21.1	18.9	18.9	16.9	16.0	16.9	15.4	14.3	11.9	11.2	10.3
157.5	24.4	20.5	18.7	23.3	20.7	18.7	18.0	16.3	15.4	16.0	14.7	13.8	11.0	10.5	9.9
164.0	23.8	20.0	18.5	22.2	20.2	18.2	17.1	15.6	14.9	15.2	14.1	13.4	10.1	9.7	9.4
177.2	21.8	19.4	18.2	20.5	19.1	18.0	15.8	14.5	13.8	13.4	12.5	12.1	8.8	8.5	8.5
190.3	18.5	18.9	18.2	18.2	17.8	17.1	14.3	13.4	13.0	11.9	11.2	11.0	7.4	7.4	7.4
203.4	13.0	16.3		15.6	16.3	16.3	13.0	12.1	11.9	10.5	10.1	9.9	6.3	6.3	6.6
216.5				12.5	13.6		11.6	11.2	11.0	9.2	9.0	8.8	5.5	5.5	5.7
229.7							10.8	10.3		8.3	8.1	8.1	4.6	4.6	5.0
242.8										7.4	7.2		3.9	3.9	4.1
255.9										3.9	6.6		3.3	3.5	

211,644 lbs **ASME**

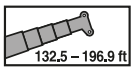
lbs x 1,000

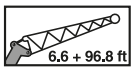
ft	132.5 ft + 6.6 ft + 77.1 ft			149.0 ft + 6.6 ft + 77.1 ft			165.7 ft + 6.6 ft + 77.1 ft			182.4 ft + 6.6 ft + 77.1 ft			196.9 ft + 6.6 ft + 77.1 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
36.1	68.1														
39.4	65.2														
45.9	59.9			58.4			46.5								
52.5	55.3			54.2			46.5			37.2			32.6		
59.1	51.3			50.7			45.6			37.2			32.6		
65.6	47.8	33.7		47.3			41.8			37.2			32.6		
72.2	44.9	32.1		44.5	31.7		38.5	29.9		35.2			32.6		
78.7	42.1	30.6		42.1	30.4		35.9	28.4		32.8	25.7		29.9		
85.3	39.6	29.3	24.0	39.9	29.1		33.2	27.1		30.4	24.4		27.3	20.5	
91.9	37.6	28.2	23.3	37.9	27.9	23.1	31.0	25.7		28.4	23.3		24.9	19.1	
98.4	35.7	27.1	22.7	35.9	27.1	22.4	29.3	24.6	20.9	26.6	22.2	19.1	22.7	18.0	
105.0	33.9	26.2	22.0	34.3	26.0	21.8	27.5	23.5	20.0	24.9	21.1	18.5	20.9	16.9	14.3
111.5	32.4	25.1	21.6	32.8	25.1	21.3	25.7	22.4	19.4	23.3	20.2	17.8	19.1	16.0	13.6
118.1	30.8	24.4	20.9	31.3	24.4	20.9	24.4	21.3	18.7	22.0	19.4	17.1	17.6	14.9	13.0
124.7	29.5	23.5	20.5	29.5	23.5	20.5	23.1	20.5	18.2	20.9	18.5	16.5	16.3	14.3	12.5
131.2	28.4	22.9	20.0	28.2	22.9	20.0	21.8	19.6	17.6	19.8	17.8	15.8	14.9	13.4	11.9
137.8	27.3	22.2	19.6	26.8	22.2	19.6	20.7	18.7	17.1	18.7	16.9	15.4	13.8	12.7	11.2
144.4	25.7	21.6	19.4	25.5	21.6	19.1	19.8	17.8	16.7	17.8	16.3	14.7	12.7	12.1	10.8
150.9	23.3	21.1	19.1	23.3	21.1	18.9	18.9	16.9	16.0	16.9	15.4	14.3	11.9	11.2	10.3
157.5	21.3	20.5	18.7	21.1	20.7	18.7	18.0	16.3	15.4	16.0	14.7	13.8	11.0	10.5	9.9
164.0	19.4	20.0	18.5	19.1	20.2	18.2	17.1	15.6	14.9	15.2	14.1	13.4	10.1	9.7	9.4
177.2	16.0	17.6	18.2	15.8	17.6	18.0	15.8	14.5	13.8	13.4	12.5	12.1	8.8	8.5	8.5
190.3	13.2	14.3	14.5	13.0	14.5	15.2	13.2	13.4	13.0	11.9	11.2	11.0	7.4	7.4	7.4
203.4	10.8	11.2		10.5	11.6	11.9	10.8	12.1	11.9	10.5	10.1	9.9	6.3	6.3	6.6
216.5				8.5	9.0		8.8	9.7	9.9	9.0	9.0	8.8	5.5	5.5	5.7
229.7							6.8	7.4		7.0	7.9	8.1	4.6	4.6	5.0
242.8										5.5	6.1		3.9	3.9	4.1
255.9										3.9	4.4		3.3	3.5	

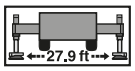
299,828 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 96.8 ft			149.0 ft + 6.6 ft + 96.8 ft			165.7 ft + 6.6 ft + 96.8 ft			182.4 ft + 6.6 ft + 96.8 ft			196.9 ft + 6.6 ft + 96.8 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
39.4	52.6														
45.9	48.2			46.5											
52.5	44.5			43.8			37.2			29.9					
59.1	41.2			40.7			37.2			29.9			26.4		
65.6	38.5			38.1			37.2			29.9			26.4		
72.2	35.9			35.9			35.0			29.9			26.4		
78.7	33.7	24.0		33.7	23.8		32.6			29.9			26.2		
85.3	31.7	22.9		31.9	22.7		30.4	22.2		28.4			24.0		
91.9	29.9	22.0		30.2	21.8		28.4	21.3		26.6	20.7		22.0		
98.4	28.4	21.1		28.6	20.9		26.4	20.5		25.1	19.8		20.2	14.7	
105.0	26.8	20.2	16.5	27.1	20.0	16.5	24.9	19.8		23.3	18.7		18.5	13.8	
111.5	25.5	19.4	16.0	26.0	19.4	16.0	23.3	19.1	15.6	22.0	17.8		16.9	13.0	
118.1	24.4	18.7	15.6	24.6	18.7	15.6	22.0	18.2	15.2	20.7	17.1	14.7	15.4	12.1	
124.7	23.3	18.0	15.2	23.5	18.0	15.2	20.9	17.6	14.9	19.6	16.3	14.3	14.1	11.4	9.7
131.2	22.2	17.4	14.9	22.7	17.4	14.7	19.8	16.9	14.5	18.5	15.6	13.6	13.0	10.8	9.2
137.8	21.3	16.9	14.5	21.8	16.9	14.3	18.7	16.3	14.1	17.4	14.9	13.2	11.9	10.1	8.8
144.4	20.5	16.3	14.1	20.9	16.3	14.1	17.8	15.6	13.6	16.5	14.3	12.7	11.0	9.4	8.3
150.9	19.6	15.8	13.8	20.0	15.8	13.8	16.9	14.9	13.2	15.6	13.8	12.3	10.1	9.0	7.9
157.5	18.9	15.4	13.6	19.4	15.4	13.4	16.0	14.3	13.0	14.5	13.2	11.9	9.2	8.5	7.4
164.0	18.2	14.9	13.4	18.7	14.9	13.2	15.2	13.8	12.5	13.6	12.5	11.4	8.5	7.9	7.2
177.2	16.9	14.3	13.0	17.4	14.3	12.7	13.4	12.3	11.6	11.9	11.2	10.8	7.2	7.0	6.6
190.3	16.0	13.6	12.7	16.5	13.6	12.5	12.1	11.0	10.5	10.3	9.9	9.4	6.1	5.9	5.9
203.4	15.2	13.2	12.5	14.7	13.2	12.3	10.8	9.9	9.4	9.0	8.5	8.3	5.0	5.0	5.2
216.5	13.8	13.0		13.2	12.7	12.1	9.4	9.0	8.8	7.9	7.4	7.4	4.1	4.1	4.4
229.7				11.2	11.6		8.5	8.1	7.9	6.8	6.6	6.6	3.3	3.5	3.7
242.8				4.4	9.0		7.7	7.2		5.9	5.7	5.7			
255.9							5.2	6.8		5.0	5.0	5.0			
269.0										4.4	4.4				



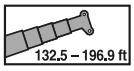


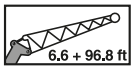


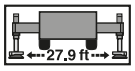
255,736 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 96.8 ft			149.0 ft + 6.6 ft + 96.8 ft			165.7 ft + 6.6 ft + 96.8 ft			182.4 ft + 6.6 ft + 96.8 ft			196.9 ft + 6.6 ft + 96.8 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
39.4	52.6														
45.9	48.2			46.5											
52.5	44.5			43.8			37.2			29.9					
59.1	41.2			40.7			37.2			29.9			26.4		
65.6	38.5			38.1			37.2			29.9			26.4		
72.2	35.9			35.9			35.0			29.9			26.4		
78.7	33.7	24.0		33.7	23.8		32.6			29.9			26.2		
85.3	31.7	22.9		31.9	22.7		30.4	22.2		28.4			24.0		
91.9	29.9	22.0		30.2	21.8		28.4	21.3		26.6	20.7		22.0		
98.4	28.4	21.1		28.6	20.9		26.4	20.5		25.1	19.8		20.2	14.7	
105.0	26.8	20.2	16.5	27.1	20.0	16.5	24.9	19.8		23.3	18.7		18.5	13.8	
111.5	25.5	19.4	16.0	26.0	19.4	16.0	23.3	19.1	15.6	22.0	17.8		16.9	13.0	
118.1	24.4	18.7	15.6	24.6	18.7	15.6	22.0	18.2	15.2	20.7	17.1	14.7	15.4	12.1	
124.7	23.3	18.0	15.2	23.5	18.0	15.2	20.9	17.6	14.9	19.6	16.3	14.3	14.1	11.4	9.7
131.2	22.2	17.4	14.9	22.7	17.4	14.7	19.8	16.9	14.5	18.5	15.6	13.6	13.0	10.8	9.2
137.8	21.3	16.9	14.5	21.8	16.9	14.3	18.7	16.3	14.1	17.4	14.9	13.2	11.9	10.1	8.8
144.4	20.5	16.3	14.1	20.9	16.3	14.1	17.8	15.6	13.6	16.5	14.3	12.7	11.0	9.4	8.3
150.9	19.6	15.8	13.8	20.0	15.8	13.8	16.9	14.9	13.2	15.6	13.8	12.3	10.1	9.0	7.9
157.5	18.9	15.4	13.6	19.4	15.4	13.4	16.0	14.3	13.0	14.5	13.2	11.9	9.2	8.5	7.4
164.0	18.2	14.9	13.4	18.7	14.9	13.2	15.2	13.8	12.5	13.6	12.5	11.4	8.5	7.9	7.2
177.2	16.9	14.3	13.0	17.4	14.3	12.7	13.4	12.3	11.6	11.9	11.2	10.8	7.2	7.0	6.6
190.3	16.0	13.6	12.7	16.5	13.6	12.5	12.1	11.0	10.5	10.3	9.9	9.4	6.1	5.9	5.9
203.4	15.2	13.2	12.5	14.7	13.2	12.3	10.8	9.9	9.4	9.0	8.5	8.3	5.0	5.0	5.2
216.5	13.4	13.0		13.2	12.7	12.1	9.4	9.0	8.8	7.9	7.4	7.4	4.1	4.1	4.4
229.7				11.0	11.6		8.5	8.1	7.9	6.8	6.6	6.6	3.3	3.5	3.7
242.8				4.4	9.0		7.7	7.2		5.9	5.7	5.7			
255.9							5.2	6.8		5.0	5.0	5.0			
269.0										4.4	4.4				



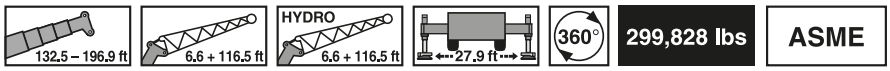




211,644 lbs **ASME**

lbs x 1,000

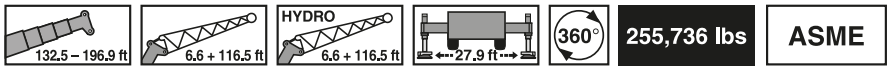
ft	132.5 ft + 6.6 ft + 96.8 ft			149.0 ft + 6.6 ft + 96.8 ft			165.7 ft + 6.6 ft + 96.8 ft			182.4 ft + 6.6 ft + 96.8 ft			196.9 ft + 6.6 ft + 96.8 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
39.4	52.6														
45.9	48.2			46.5											
52.5	44.5			43.8			37.2			29.9					
59.1	41.2			40.7			37.2			29.9			26.4		
65.6	38.5			38.1			37.2			29.9			26.4		
72.2	35.9			35.9			35.0			29.9			26.4		
78.7	33.7	24.0		33.7	23.8		32.6			29.9			26.2		
85.3	31.7	22.9		31.9	22.7		30.4	22.2		28.4			24.0		
91.9	29.9	22.0		30.2	21.8		28.4	21.3		26.6	20.7		22.0		
98.4	28.4	21.1		28.6	20.9		26.4	20.5		25.1	19.8		20.2	14.7	
105.0	26.8	20.2	16.5	27.1	20.0	16.5	24.9	19.8		23.3	18.7		18.5	13.8	
111.5	25.5	19.4	16.0	26.0	19.4	16.0	23.3	19.1	15.6	22.0	17.8		16.9	13.0	
118.1	24.4	18.7	15.6	24.6	18.7	15.6	22.0	18.2	15.2	20.7	17.1	14.7	15.4	12.1	
124.7	23.3	18.0	15.2	23.5	18.0	15.2	20.9	17.6	14.9	19.6	16.3	14.3	14.1	11.4	9.7
131.2	22.2	17.4	14.9	22.7	17.4	14.7	19.8	16.9	14.5	18.5	15.6	13.6	13.0	10.8	9.2
137.8	21.3	16.9	14.5	21.8	16.9	14.3	18.7	16.3	14.1	17.4	14.9	13.2	11.9	10.1	8.8
144.4	20.5	16.3	14.1	20.9	16.3	14.1	17.8	15.6	13.6	16.5	14.3	12.7	11.0	9.4	8.3
150.9	19.6	15.8	13.8	20.0	15.8	13.8	16.9	14.9	13.2	15.6	13.8	12.3	10.1	9.0	7.9
157.5	18.9	15.4	13.6	19.4	15.4	13.4	16.0	14.3	13.0	14.5	13.2	11.9	9.2	8.5	7.4
164.0	18.2	14.9	13.4	18.7	14.9	13.2	15.2	13.8	12.5	13.6	12.5	11.4	8.5	7.9	7.2
177.2	16.3	14.3	13.0	16.0	14.3	12.7	13.4	12.3	11.6	11.9	11.2	10.8	7.2	7.0	6.6
190.3	13.4	13.6	12.7	13.2	13.6	12.5	12.1	11.0	10.5	10.3	9.9	9.4	6.1	5.9	5.9
203.4	11.0	12.3	12.5	10.8	12.3	12.3	10.8	9.9	9.4	9.0	8.5	8.3	5.0	5.0	5.2
216.5	9.0	9.7		8.5	9.9	10.3	8.5	9.0	8.8	7.9	7.4	7.4	4.1	4.1	4.4
229.7				6.8	7.7		6.8	7.9	7.9	6.8	6.6	6.6	3.3	3.5	3.7
242.8				4.4	5.5		5.2	6.1		5.5	5.7	5.7			
255.9							3.7	4.1		4.1	4.8	5.0			
269.0											3.3				



299,828 lbs **ASME**

lbs x 1,000

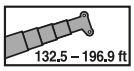
ft	132.5 ft + 6.6 ft + 116.5 ft			149.0 ft + 6.6 ft + 116.5 ft			165.7 ft + 6.6 ft + 116.5 ft			182.4 ft + 6.6 ft + 116.5 ft			196.9 ft + 6.6 ft + 116.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
45.9	40.3														
52.5	37.2			36.8											
59.1	34.6			34.1			29.7			24.2					
65.6	32.1			31.9			29.7			24.2			21.3		
72.2	30.2			29.9			28.8			24.2			21.3		
78.7	28.2			28.2			27.3			24.2			21.3		
85.3	26.4	18.7		26.4			25.7			24.2			21.1		
91.9	24.9	17.8		25.1	17.8		24.4			24.0			19.4		
98.4	23.5	17.1		23.8	16.9		23.1	16.5		22.7			17.6		
105.0	22.2	16.5		22.4	16.3		22.0	15.8		21.3	15.6		16.3	11.9	
111.5	21.1	15.6		21.3	15.6		21.1	15.4		20.0	14.9		14.9	11.0	
118.1	20.0	15.2	12.3	20.2	14.9		20.0	14.7		18.9	14.5		13.8	10.3	
124.7	19.1	14.5	11.9	19.4	14.5	11.9	19.1	14.3		18.0	14.1		12.7	9.7	
131.2	18.2	13.8	11.6	18.5	13.8	11.4	18.2	13.6	11.2	17.1	13.4		11.6	9.0	
137.8	17.4	13.4	11.2	17.8	13.4	11.2	17.6	13.2	11.0	16.0	13.0	10.8	10.8	8.5	7.2
144.4	16.7	13.0	11.0	16.9	13.0	10.8	16.7	12.7	10.8	15.2	12.5	10.5	9.9	7.9	6.8
150.9	16.0	12.5	10.5	16.3	12.5	10.5	15.8	12.3	10.3	14.1	12.1	10.3	9.0	7.4	6.3
157.5	15.4	12.1	10.3	15.6	12.1	10.3	15.2	12.1	10.1	13.0	11.6	9.9	8.1	7.0	5.9
164.0	14.7	11.6	10.1	14.9	11.9	10.1	14.1	11.6	9.9	12.1	11.2	9.7	7.4	6.6	5.7
177.2	13.6	11.0	9.7	14.1	11.0	9.7	12.5	11.0	9.4	10.5	9.9	8.8	6.1	5.7	5.0
190.3	12.7	10.5	9.4	13.0	10.5	9.2	11.0	10.1	9.0	9.0	8.5	8.1	5.0	5.0	4.4
203.4	11.9	9.9	9.0	12.3	9.9	9.0	9.7	9.0	8.3	7.9	7.4	7.2	4.1	4.1	3.9
216.5	11.2	9.4	9.0	11.4	9.4	8.8	8.5	7.9	7.4	6.6	6.3	6.3	3.3	3.5	3.5
229.7	10.5	9.2	9.0	10.5	9.2	8.5	7.4	7.0	6.8	5.7	5.5	5.5			
242.8	7.0	9.2		9.4	9.0	8.5	6.6	6.1	6.1	4.8	4.6	4.6			
255.9				6.8	8.3		5.7	5.5	5.5						
269.0							5.0	4.8							

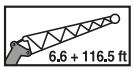


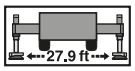
255,736 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 116.5 ft			149.0 ft + 6.6 ft + 116.5 ft			165.7 ft + 6.6 ft + 116.5 ft			182.4 ft + 6.6 ft + 116.5 ft			196.9 ft + 6.6 ft + 116.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
45.9	40.3														
52.5	37.2			36.8											
59.1	34.6			34.1			29.7			24.2					
65.6	32.1			31.9			29.7			24.2			21.3		
72.2	30.2			29.9			28.8			24.2			21.3		
78.7	28.2			28.2			27.3			24.2			21.3		
85.3	26.4	18.7		26.4			25.7			24.2			21.1		
91.9	24.9	17.8		25.1	17.8		24.4			24.0			19.4		
98.4	23.5	17.1		23.8	16.9		23.1	16.5		22.7			17.6		
105.0	22.2	16.5		22.4	16.3		22.0	15.8		21.3	15.6		16.3	11.9	
111.5	21.1	15.6		21.3	15.6		21.1	15.4		20.0	14.9		14.9	11.0	
118.1	20.0	15.2	12.3	20.2	14.9		20.0	14.7		18.9	14.5		13.8	10.3	
124.7	19.1	14.5	11.9	19.4	14.5	11.9	19.1	14.3		18.0	14.1		12.7	9.7	
131.2	18.2	13.8	11.6	18.5	13.8	11.4	18.2	13.6	11.2	17.1	13.4		11.6	9.0	
137.8	17.4	13.4	11.2	17.8	13.4	11.2	17.6	13.2	11.0	16.0	13.0	10.8	10.8	8.5	7.2
144.4	16.7	13.0	11.0	16.9	13.0	10.8	16.7	12.7	10.8	15.2	12.5	10.5	9.9	7.9	6.8
150.9	16.0	12.5	10.5	16.3	12.5	10.5	15.8	12.3	10.3	14.1	12.1	10.3	9.0	7.4	6.3
157.5	15.4	12.1	10.3	15.6	12.1	10.3	15.2	12.1	10.1	13.0	11.6	9.9	8.1	7.0	5.9
164.0	14.7	11.6	10.1	14.9	11.9	10.1	14.1	11.6	9.9	12.1	11.2	9.7	7.4	6.6	5.7
177.2	13.6	11.0	9.7	14.1	11.0	9.7	12.5	11.0	9.4	10.5	9.9	8.8	6.1	5.7	5.0
190.3	12.7	10.5	9.4	13.0	10.5	9.2	11.0	10.1	9.0	9.0	8.5	8.1	5.0	5.0	4.4
203.4	11.9	9.9	9.0	12.3	9.9	9.0	9.7	9.0	8.3	7.9	7.4	7.2	4.1	4.1	3.9
216.5	11.2	9.4	9.0	11.4	9.4	8.8	8.5	7.9	7.4	6.6	6.3	6.3	3.3	3.5	3.5
229.7	10.5	9.2	9.0	10.5	9.2	8.5	7.4	7.0	6.8	5.7	5.5	5.5			
242.8	7.0	9.2		9.4	9.0	8.5	6.6	6.1	6.1	4.8	4.6	4.6			
255.9				6.8	8.3		5.7	5.5	5.5						
269.0							5.0	4.8							



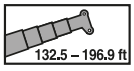


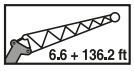


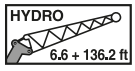
211,644 lbs **ASME**

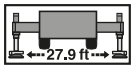
lbs x 1,000

ft	132.5 ft + 6.6 ft + 116.5 ft			149.0 ft + 6.6 ft + 116.5 ft			165.7 ft + 6.6 ft + 116.5 ft			182.4 ft + 6.6 ft + 116.5 ft			196.9 ft + 6.6 ft + 116.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
45.9	40.3														
52.5	37.2			36.8											
59.1	34.6			34.1			29.7			24.2					
65.6	32.1			31.9			29.7			24.2			21.3		
72.2	30.2			29.9			28.8			24.2			21.3		
78.7	28.2			28.2			27.3			24.2			21.3		
85.3	26.4	18.7		26.4			25.7			24.2			21.1		
91.9	24.9	17.8		25.1	17.8		24.4			24.0			19.4		
98.4	23.5	17.1		23.8	16.9		23.1	16.5		22.7			17.6		
105.0	22.2	16.5		22.4	16.3		22.0	15.8		21.3	15.6		16.3	11.9	
111.5	21.1	15.6		21.3	15.6		21.1	15.4		20.0	14.9		14.9	11.0	
118.1	20.0	15.2	12.3	20.2	14.9		20.0	14.7		18.9	14.5		13.8	10.3	
124.7	19.1	14.5	11.9	19.4	14.5	11.9	19.1	14.3		18.0	14.1		12.7	9.7	
131.2	18.2	13.8	11.6	18.5	13.8	11.4	18.2	13.6	11.2	17.1	13.4		11.6	9.0	
137.8	17.4	13.4	11.2	17.8	13.4	11.2	17.6	13.2	11.0	16.0	13.0	10.8	10.8	8.5	7.2
144.4	16.7	13.0	11.0	16.9	13.0	10.8	16.7	12.7	10.8	15.2	12.5	10.5	9.9	7.9	6.8
150.9	16.0	12.5	10.5	16.3	12.5	10.5	15.8	12.3	10.3	14.1	12.1	10.3	9.0	7.4	6.3
157.5	15.4	12.1	10.3	15.6	12.1	10.3	15.2	12.1	10.1	13.0	11.6	9.9	8.1	7.0	5.9
164.0	14.7	11.6	10.1	14.9	11.9	10.1	14.1	11.6	9.9	12.1	11.2	9.7	7.4	6.6	5.7
177.2	13.6	11.0	9.7	14.1	11.0	9.7	12.5	11.0	9.4	10.5	9.9	8.8	6.1	5.7	5.0
190.3	12.7	10.5	9.4	13.0	10.5	9.2	11.0	10.1	9.0	9.0	8.5	8.1	5.0	5.0	4.4
203.4	11.4	9.9	9.0	11.0	9.9	9.0	9.7	9.0	8.3	7.9	7.4	7.2	4.1	4.1	3.9
216.5	9.2	9.4	9.0	9.0	9.4	8.8	8.5	7.9	7.4	6.6	6.3	6.3	3.3	3.5	3.5
229.7	7.4	8.5	8.8	7.0	8.5	8.5	7.4	7.0	6.8	5.7	5.5	5.5			
242.8	5.9	6.3		5.5	6.6	6.8	5.7	6.1	6.1	4.8	4.6	4.6			
255.9				3.9	4.6		4.1	5.2	5.5						
269.0								3.5							





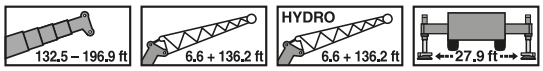




299,828 lbs **ASME**

lbs x 1,000

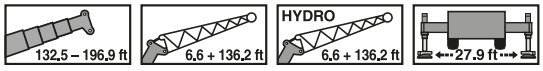
ft	132.5 ft + 6.6 ft + 136.2 ft			149.0 ft + 6.6 ft + 136.2 ft			165.7 ft + 6.6 ft + 136.2 ft			182.4 ft + 6.6 ft + 136.2 ft			196.9 ft + 6.6 ft + 136.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
52.5	31.5			30.8											
59.1	29.1			28.6			25.5								
65.6	26.8			26.6			25.5			20.7					
72.2	25.1			24.9			24.4			20.7			18.0		
78.7	23.3			23.3			22.9			20.7			18.0		
85.3	22.0			21.8			21.6			20.7			18.0		
91.9	20.5			20.5			20.2			20.5			16.3		
98.4	19.4	13.6		19.4			19.1			19.1			14.9		
105.0	18.2	13.0		18.2	12.7		18.0			18.0			13.6		
111.5	17.1	12.3		17.4	12.3		17.1	11.9		17.1			12.3		
118.1	16.3	11.9		16.5	11.6		16.3	11.4		16.3	11.2		11.2	8.1	
124.7	15.4	11.2		15.6	11.2		15.4	11.0		15.4	10.8		10.3	7.4	
131.2	14.5	10.8		14.7	10.8		14.7	10.5		14.7	10.3		9.4	6.8	
137.8	13.8	10.3	8.3	14.1	10.3		14.1	10.1		14.1	9.9		8.5	6.3	
144.4	13.2	9.9	7.9	13.4	9.9	7.9	13.4	9.7		13.0	9.7		7.9	5.9	
150.9	12.5	9.4	7.7	12.7	9.4	7.7	12.7	9.4	7.4	11.9	9.2		7.2	5.5	
157.5	12.1	9.0	7.4	12.3	9.2	7.4	12.3	9.0	7.2	11.0	9.0	7.2	6.3	5.0	4.1
164.0	11.4	8.8	7.2	11.6	8.8	7.2	11.9	8.8	7.0	10.1	8.5	7.0	5.7	4.6	3.7
177.2	10.5	8.1	6.6	10.8	8.1	6.8	10.3	8.1	6.6	8.3	7.7	6.3	4.6	3.7	
190.3	9.7	7.4	6.1	9.9	7.7	6.3	8.8	7.4	6.3	7.0	6.6	5.7	3.5		
203.4	8.8	7.0	5.9	9.2	7.0	5.9	7.4	6.8	5.9	5.9	5.5				
216.5	8.1	6.6	5.5	8.5	6.6	5.5	6.3	5.9	5.5						
229.7	7.7	6.1	5.2	7.9	6.3	5.2	5.5	5.0	4.8						
242.8	7.0	5.7	5.2	7.4	5.9	5.0									
255.9	6.6	5.5		6.6	5.5	5.0									
269.0				5.9	5.2	5.0									



255,736 lbs **ASME**

lbs x 1,000

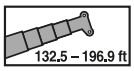
ft	132.5 ft + 6.6 ft + 136.2 ft			149.0 ft + 6.6 ft + 136.2 ft			165.7 ft + 6.6 ft + 136.2 ft			182.4 ft + 6.6 ft + 136.2 ft			196.9 ft + 6.6 ft + 136.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
52.5	31.5			30.8											
59.1	29.1			28.6			25.5								
65.6	26.8			26.6			25.5			20.7					
72.2	25.1			24.9			24.4			20.7			18.0		
78.7	23.3			23.3			22.9			20.7			18.0		
85.3	22.0			21.8			21.6			20.7			18.0		
91.9	20.5			20.5			20.2			20.5			16.3		
98.4	19.4	13.6		19.4			19.1			19.1			14.9		
105.0	18.2	13.0		18.2	12.7		18.0			18.0			13.6		
111.5	17.1	12.3		17.4	12.3		17.1	11.9		17.1			12.3		
118.1	16.3	11.9		16.5	11.6		16.3	11.4		16.3	11.2		11.2	8.1	
124.7	15.4	11.2		15.6	11.2		15.4	11.0		15.4	10.8		10.3	7.4	
131.2	14.5	10.8		14.7	10.8		14.7	10.5		14.7	10.3		9.4	6.8	
137.8	13.8	10.3	8.3	14.1	10.3		14.1	10.1		14.1	9.9		8.5	6.3	
144.4	13.2	9.9	7.9	13.4	9.9	7.9	13.4	9.7		13.0	9.7		7.9	5.9	
150.9	12.5	9.4	7.7	12.7	9.4	7.7	12.7	9.4	7.4	11.9	9.2		7.2	5.5	
157.5	12.1	9.0	7.4	12.3	9.2	7.4	12.3	9.0	7.2	11.0	9.0	7.2	6.3	5.0	4.1
164.0	11.4	8.8	7.2	11.6	8.8	7.2	11.9	8.8	7.0	10.1	8.5	7.0	5.7	4.6	3.7
177.2	10.5	8.1	6.6	10.8	8.1	6.8	10.3	8.1	6.6	8.3	7.7	6.3	4.6	3.7	
190.3	9.7	7.4	6.1	9.9	7.7	6.3	8.8	7.4	6.3	7.0	6.6	5.7	3.5		
203.4	8.8	7.0	5.9	9.2	7.0	5.9	7.4	6.8	5.9	5.9	5.5				
216.5	8.1	6.6	5.5	8.5	6.6	5.5	6.3	5.9	5.5						
229.7	7.7	6.1	5.2	7.9	6.3	5.2	5.5	5.0	4.8						
242.8	7.0	5.7	5.2	7.4	5.9	5.0									
255.9	6.6	5.5		6.6	5.5	5.0									
269.0				5.9	5.2	5.0									

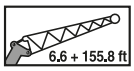


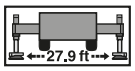
211,644 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 136.2 ft			149.0 ft + 6.6 ft + 136.2 ft			165.7 ft + 6.6 ft + 136.2 ft			182.4 ft + 6.6 ft + 136.2 ft			196.9 ft + 6.6 ft + 136.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
52.5	31.5			30.8											
59.1	29.1			28.6			25.5								
65.6	26.8			26.6			25.5			20.7					
72.2	25.1			24.9			24.4			20.7			18.0		
78.7	23.3			23.3			22.9			20.7			18.0		
85.3	22.0			21.8			21.6			20.7			18.0		
91.9	20.5			20.5			20.2			20.5			16.3		
98.4	19.4	13.6		19.4			19.1			19.1			14.9		
105.0	18.2	13.0		18.2	12.7		18.0			18.0			13.6		
111.5	17.1	12.3		17.4	12.3		17.1	11.9		17.1			12.3		
118.1	16.3	11.9		16.5	11.6		16.3	11.4		16.3	11.2		11.2	8.1	
124.7	15.4	11.2		15.6	11.2		15.4	11.0		15.4	10.8		10.3	7.4	
131.2	14.5	10.8		14.7	10.8		14.7	10.5		14.7	10.3		9.4	6.8	
137.8	13.8	10.3	8.3	14.1	10.3		14.1	10.1		14.1	9.9		8.5	6.3	
144.4	13.2	9.9	7.9	13.4	9.9	7.9	13.4	9.7		13.0	9.7		7.9	5.9	
150.9	12.5	9.4	7.7	12.7	9.4	7.7	12.7	9.4	7.4	11.9	9.2		7.2	5.5	
157.5	12.1	9.0	7.4	12.3	9.2	7.4	12.3	9.0	7.2	11.0	9.0	7.2	6.3	5.0	4.1
164.0	11.4	8.8	7.2	11.6	8.8	7.2	11.9	8.8	7.0	10.1	8.5	7.0	5.7	4.6	3.7
177.2	10.5	8.1	6.6	10.8	8.1	6.8	10.3	8.1	6.6	8.3	7.7	6.3	4.6	3.7	
190.3	9.7	7.4	6.1	9.9	7.7	6.3	8.8	7.4	6.3	7.0	6.6	5.7	3.5		
203.4	8.8	7.0	5.9	9.2	7.0	5.9	7.4	6.8	5.9	5.9	5.5				
216.5	8.1	6.6	5.5	8.5	6.6	5.5	6.3	5.9	5.5						
229.7	7.2	6.1	5.2	6.8	6.3	5.2	5.5	5.0	4.8						
242.8	5.7	5.7	5.2	5.0	5.9	5.0									
255.9	4.1	5.0		3.7	5.0	5.0									
269.0					3.3										



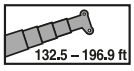


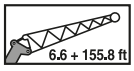


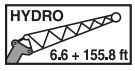
299,828 lbs **ASME**

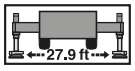
lbs x 1,000

ft	132.5 ft + 6.6 ft + 155.8 ft			149.0 ft + 6.6 ft + 155.8 ft			165.7 ft + 6.6 ft + 155.8 ft			182.4 ft + 6.6 ft + 155.8 ft			196.9 ft + 6.6 ft + 155.8 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
52.5	25.5														
59.1	23.8			22.9											
65.6	22.0			21.6			20.2								
72.2	20.5			20.0			19.4			16.7					
78.7	19.1			18.9			18.2			16.7			14.7		
85.3	17.8			17.6			17.1			16.3			14.7		
91.9	16.7			16.7			16.3			15.8			14.1		
98.4	15.8			15.6			15.4			15.2			12.7		
105.0	14.7			14.7			14.5			14.3			11.4		
111.5	13.8	9.7		13.8			13.6			13.6			10.3		
118.1	13.2	9.0		13.2	9.0		13.0			13.0			9.2		
124.7	12.3	8.5		12.5	8.5		12.3	8.3		12.3			8.3		
131.2	11.6	8.1		11.9	8.1		11.6	7.9		11.6	7.7		7.7	5.0	
137.8	11.0	7.7		11.2	7.7		11.0	7.7		11.0	7.4		6.8	4.6	
144.4	10.3	7.4		10.5	7.4		10.5	7.2		10.5	7.0		6.1	4.1	
150.9	9.9	7.0		10.1	7.0		10.1	7.0		9.9	6.8		5.5	3.7	
157.5	9.2	6.6	4.8	9.4	6.6		9.4	6.6		9.2	6.6		4.8	3.3	
164.0	8.8	6.3	4.4	9.0	6.3	4.4	9.0	6.3		8.3	6.1		4.4		
177.2	7.9	5.7	3.9	8.1	5.7	3.9	8.1	5.7	3.9	6.8	5.7		3.3		
190.3	7.2	5.0	3.5	7.4	5.2	3.5	7.0	5.2		5.5					
203.4	6.3	4.4	3.3	6.8	4.6	3.3	5.9	4.8							
216.5	5.7	3.9		6.1	4.1										
229.7	5.0	3.5		5.5	3.7										
242.8	4.4			4.8	3.3										
255.9	3.9			4.4											
269.0	3.5														





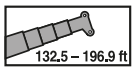


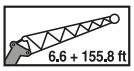


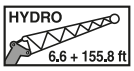
255,736 lbs **ASME**

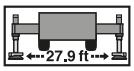
lbs x 1,000

ft	132.5 ft + 6.6 ft + 155.8 ft			149.0 ft + 6.6 ft + 155.8 ft			165.7 ft + 6.6 ft + 155.8 ft			182.4 ft + 6.6 ft + 155.8 ft			196.9 ft + 6.6 ft + 155.8 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
52.5	25.5														
59.1	23.8			22.9											
65.6	22.0			21.6			20.2								
72.2	20.5			20.0			19.4			16.7					
78.7	19.1			18.9			18.2			16.7			14.7		
85.3	17.8			17.6			17.1			16.3			14.7		
91.9	16.7			16.7			16.3			15.8			14.1		
98.4	15.8			15.6			15.4			15.2			12.7		
105.0	14.7			14.7			14.5			14.3			11.4		
111.5	13.8	9.7		13.8			13.6			13.6			10.3		
118.1	13.2	9.0		13.2	9.0		13.0			13.0			9.2		
124.7	12.3	8.5		12.5	8.5		12.3	8.3		12.3			8.3		
131.2	11.6	8.1		11.9	8.1		11.6	7.9		11.6	7.7		7.7	5.0	
137.8	11.0	7.7		11.2	7.7		11.0	7.7		11.0	7.4		6.8	4.6	
144.4	10.3	7.4		10.5	7.4		10.5	7.2		10.5	7.0		6.1	4.1	
150.9	9.9	7.0		10.1	7.0		10.1	7.0		9.9	6.8		5.5	3.7	
157.5	9.2	6.6	4.8	9.4	6.6		9.4	6.6		9.2	6.6		4.8	3.3	
164.0	8.8	6.3	4.4	9.0	6.3	4.4	9.0	6.3		8.3	6.1		4.4		
177.2	7.9	5.7	3.9	8.1	5.7	3.9	8.1	5.7	3.9	6.8	5.7		3.3		
190.3	7.2	5.0	3.5	7.4	5.2	3.5	7.0	5.2		5.5					
203.4	6.3	4.4	3.3	6.8	4.6	3.3	5.9	4.8							
216.5	5.7	3.9		6.1	4.1										
229.7	5.0	3.5		5.5	3.7										
242.8	4.4			4.8	3.3										
255.9	3.9			4.4											
269.0	3.5														









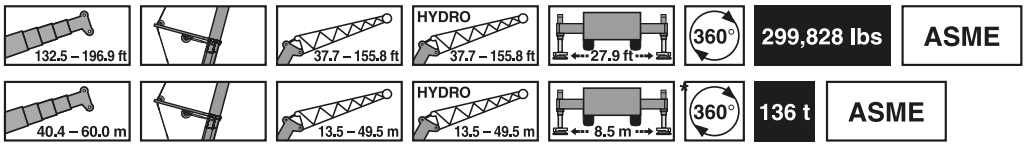
211,644 lbs

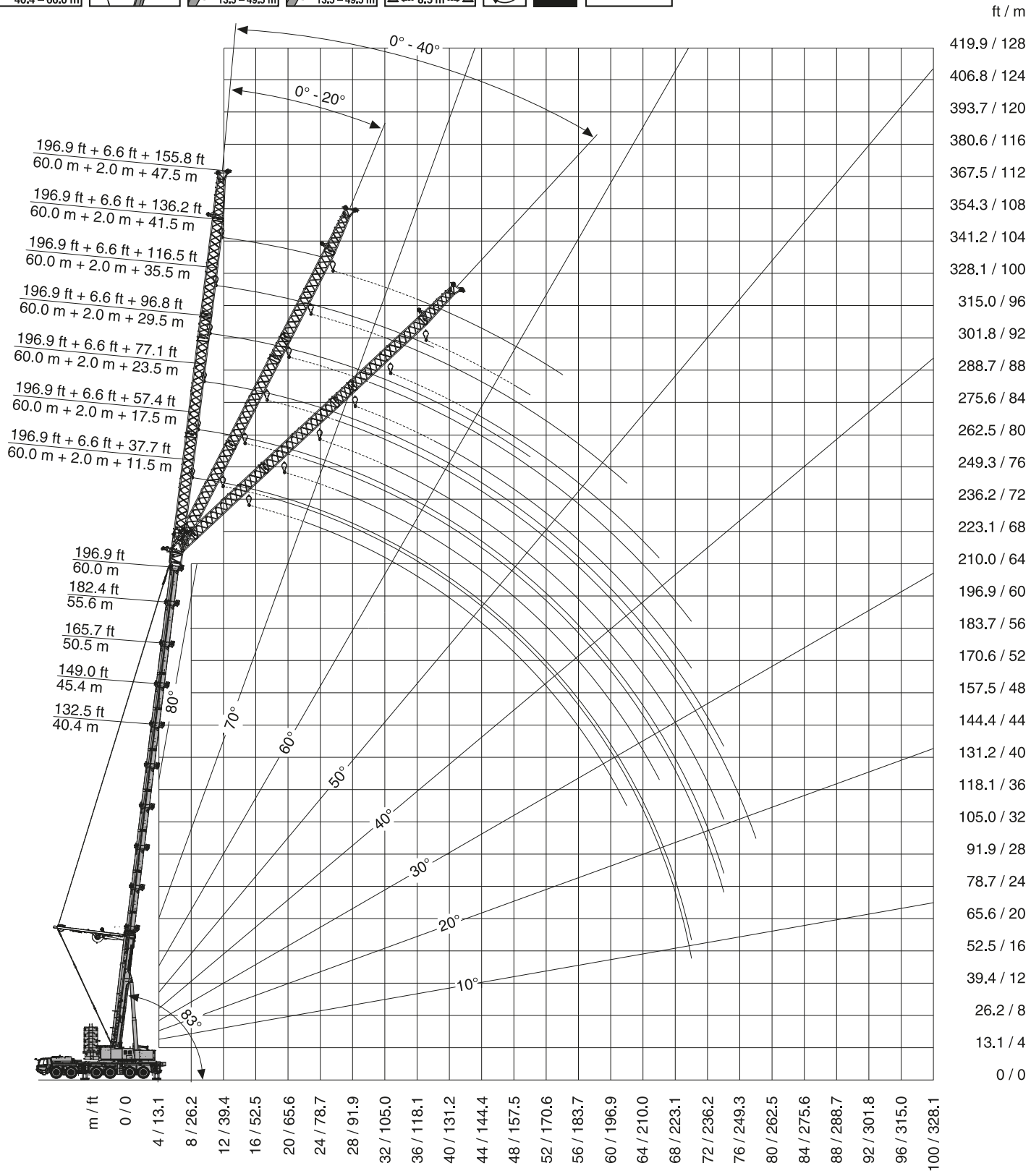
ASME

lbs x 1,000

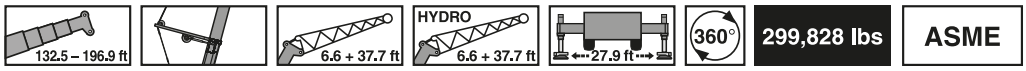
ft	132.5 ft + 6.6 ft + 155.8 ft			149.0 ft + 6.6 ft + 155.8 ft			165.7 ft + 6.6 ft + 155.8 ft			182.4 ft + 6.6 ft + 155.8 ft			196.9 ft + 6.6 ft + 155.8 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
52.5	25.5														
59.1	23.8			22.9											
65.6	22.0			21.6			20.2								
72.2	20.5			20.0			19.4			16.7					
78.7	19.1			18.9			18.2			16.7			14.7		
85.3	17.8			17.6			17.1			16.3			14.7		
91.9	16.7			16.7			16.3			15.8			14.1		
98.4	15.8			15.6			15.4			15.2			12.7		
105.0	14.7			14.7			14.5			14.3			11.4		
111.5	13.8	9.7		13.8			13.6			13.6			10.3		
118.1	13.2	9.0		13.2	9.0		13.0			13.0			9.2		
124.7	12.3	8.5		12.5	8.5		12.3	8.3		12.3			8.3		
131.2	11.6	8.1		11.9	8.1		11.6	7.9		11.6	7.7		7.7	5.0	
137.8	11.0	7.7		11.2	7.7		11.0	7.7		11.0	7.4		6.8	4.6	
144.4	10.3	7.4		10.5	7.4		10.5	7.2		10.5	7.0		6.1	4.1	
150.9	9.9	7.0		10.1	7.0		10.1	7.0		9.9	6.8		5.5	3.7	
157.5	9.2	6.6	4.8	9.4	6.6		9.4	6.6		9.2	6.6		4.8	3.3	
164.0	8.8	6.3	4.4	9.0	6.3	4.4	9.0	6.3		8.3	6.1		4.4		
177.2	7.9	5.7	3.9	8.1	5.7	3.9	8.1	5.7	3.9	6.8	5.7		3.3		
190.3	7.2	5.0	3.5	7.4	5.2	3.5	7.0	5.2		5.5					
203.4	6.3	4.4	3.3	6.8	4.6	3.3	5.9	4.8							
216.5	5.7	3.9		6.1	4.1										
229.7	5.0	3.5		5.5	3.7										
242.8	4.4			4.8	3.3										
255.9	3.9			3.5											

Working range · Rayon de travail · Zona de trabajo





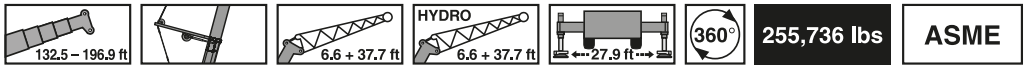
Lifting capacities · Charges de levage · Cargas



299,828 lbs **ASME**

lbs x 1,000

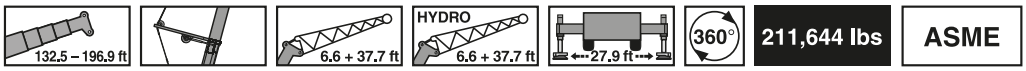
ft	132.5 ft + 6.6 ft + 37.7 ft			149.0 ft + 6.6 ft + 37.7 ft			165.7 ft + 6.6 ft + 37.7 ft			182.4 ft + 6.6 ft + 37.7 ft			196.9 ft + 6.6 ft + 37.7 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
29.5	100.9														
32.8	100.3			80.6											
36.1	100.0			80.6			64.8								
39.4	98.7			80.6			62.1			49.3					
45.9	95.6	85.0		80.6	69.2		57.5			49.3			42.9		
52.5	93.4	81.5	56.6	80.6	68.3		53.3	48.5		46.0	37.6		42.9		
59.1	91.2	78.7	54.8	79.5	67.4	54.2	50.0	48.0	44.3	42.9	35.9		41.0	34.1	
65.6	87.0	76.0	53.1	74.7	67.0	53.1	48.2	47.6	44.0	40.3	35.4	33.2	38.5	32.4	
72.2	78.9	72.5	51.5	68.1	65.9	52.0	47.1	46.9	43.8	37.9	35.0	33.2	36.3	30.8	27.9
78.7	71.4	68.1	50.4	66.3	65.0	51.1	46.0	46.2	43.6	35.7	34.3	33.0	34.3	29.5	27.7
85.3	65.0	62.6	49.6	64.3	59.7	50.2	45.1	45.6	43.6	33.9	33.9	32.6	32.6	28.4	27.3
91.9	59.7	57.7	48.9	58.8	54.8	49.6	43.8	44.9	43.2	32.8	33.2	32.1	30.8	27.7	27.1
98.4	55.1	53.5	48.5	54.4	50.9	48.7	42.3	44.0	42.5	31.9	32.6	31.9	28.8	27.3	26.6
105.0	51.1	49.6	47.1	50.0	47.3	46.0	41.6	43.2	42.1	30.8	32.1	31.7	26.6	26.8	26.4
111.5	47.1	46.0	45.1	46.5	43.8	43.2	40.7	41.6	40.7	30.2	31.5	31.3	25.5	26.4	26.0
118.1	43.8	42.9	42.1	42.9	41.0	40.3	39.6	38.8	38.1	29.7	31.0	30.8	24.9	25.7	25.7
124.7	41.0	40.1	39.4	40.1	38.3	37.6	37.6	36.3	35.7	29.1	30.4	30.6	24.2	25.1	25.3
131.2	38.5	38.1	34.1	37.4	35.9	35.0	35.4	34.1	33.5	28.4	29.7	30.2	23.5	24.6	25.1
137.8	35.9	35.9	32.4	35.2	33.7	33.0	33.0	32.1	31.3	27.7	29.1	29.7	23.1	24.2	24.6
144.4	33.5	33.9	30.6	33.2	31.5	28.6	31.3	30.2	29.7	26.8	28.4	28.6	22.7	23.5	24.2
150.9	30.4	31.9		31.0	29.7	27.1	29.3	28.6	28.2	26.2	27.7	27.3	22.0	22.9	23.5
157.5	25.1	28.2		29.3	28.2	25.5	27.7	26.8	22.9	25.3	26.2	25.7	21.1	22.2	23.1
164.0	18.2	21.6		26.8	26.8		26.0	25.3	22.7	24.6	24.9	24.2	20.7	21.8	22.7
177.2				17.6	20.2		23.1	22.7		22.9	22.2	17.8	19.6	20.9	12.3
190.3							16.5	18.7		20.5	20.0	17.4	18.7	19.4	11.2
203.4										15.6	16.5		17.8	17.6	10.1
216.5										5.9	8.1		13.2	8.8	
229.7													5.0	7.0	



255,736 lbs **ASME**

lbs x 1,000

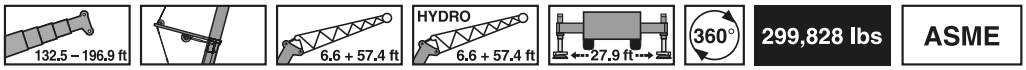
ft	132.5 ft + 6.6 ft + 37.7 ft			149.0 ft + 6.6 ft + 37.7 ft			165.7 ft + 6.6 ft + 37.7 ft			182.4 ft + 6.6 ft + 37.7 ft			196.9 ft + 6.6 ft + 37.7 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
29.5	100.9														
32.8	100.3			80.6											
36.1	100.0			80.6			64.8								
39.4	98.7			80.6			62.1			49.3					
45.9	95.6	85.0		80.6	69.2		57.5			49.3			42.9		
52.5	93.4	81.5	56.6	80.6	68.3		53.3	48.5		46.0	37.6		42.9		
59.1	91.2	78.7	54.8	79.5	67.4	54.2	50.0	48.0	44.3	42.9	35.9		41.0	34.1	
65.6	87.0	76.0	53.1	74.7	67.0	53.1	48.2	47.6	44.0	40.3	35.4	33.2	38.5	32.4	
72.2	78.9	72.5	51.5	68.1	65.9	52.0	47.1	46.9	43.8	37.9	35.0	33.2	36.3	30.8	27.9
78.7	71.4	68.1	50.4	66.3	65.0	51.1	46.0	46.2	43.6	35.7	34.3	33.0	34.3	29.5	27.7
85.3	65.0	62.6	49.6	64.3	59.7	50.2	45.1	45.6	43.6	33.9	33.9	32.6	32.6	28.4	27.3
91.9	59.7	57.7	48.9	58.8	54.8	49.6	43.8	44.9	43.2	32.8	33.2	32.1	30.8	27.7	27.1
98.4	55.1	53.5	48.5	54.4	50.9	48.7	42.3	44.0	42.5	31.9	32.6	31.9	28.8	27.3	26.6
105.0	51.1	49.6	47.1	50.0	47.3	46.0	41.6	43.2	42.1	30.8	32.1	31.7	26.6	26.8	26.4
111.5	47.1	46.0	45.1	46.5	43.8	43.2	40.7	41.6	40.7	30.2	31.5	31.3	25.5	26.4	26.0
118.1	43.8	42.9	42.1	42.9	41.0	40.3	39.6	38.8	38.1	29.7	31.0	30.8	24.9	25.7	25.7
124.7	39.4	40.1	39.4	40.1	38.3	37.6	37.6	36.3	35.7	29.1	30.4	30.6	24.2	25.1	25.3
131.2	35.7	37.4	34.1	36.5	35.9	35.0	35.4	34.1	33.5	28.4	29.7	30.2	23.5	24.6	25.1
137.8	32.4	33.9	32.4	33.0	33.7	33.0	33.0	32.1	31.3	27.7	29.1	29.7	23.1	24.2	24.6
144.4	29.5	30.6	30.6	30.2	31.5	28.6	31.0	30.2	29.7	26.8	28.4	28.6	22.7	23.5	24.2
150.9	26.6	27.7		27.3	28.6	27.1	28.2	28.6	28.2	26.2	27.7	27.3	22.0	22.9	23.5
157.5	24.2	25.1		24.9	26.0	25.5	25.7	26.8	22.9	25.3	26.2	25.7	21.1	22.2	23.1
164.0	18.2	21.6		22.7	23.5		23.5	24.6	22.7	24.4	24.9	24.2	20.7	21.8	22.7
177.2				17.6	19.1		19.6	20.2		20.5	21.3	17.8	19.6	20.9	12.3
190.3							16.0	16.5		16.9	17.8	17.4	16.7	17.6	11.2
203.4										14.1	14.5		13.8	14.5	10.1
216.5										5.9	8.1		11.2	8.8	
229.7													5.0	7.0	



211,644 lbs **ASME**

lbs x 1,000

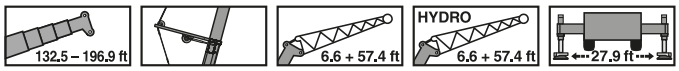
ft	132.5 ft + 6.6 ft + 37.7 ft			149.0 ft + 6.6 ft + 37.7 ft			165.7 ft + 6.6 ft + 37.7 ft			182.4 ft + 6.6 ft + 37.7 ft			196.9 ft + 6.6 ft + 37.7 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
29.5	100.9														
32.8	100.3			80.6											
36.1	100.0			80.6			64.8								
39.4	98.7			80.6			62.1			49.3					
45.9	95.6	85.0		80.6	69.2		57.5			49.3			42.9		
52.5	93.4	81.5	56.6	80.6	68.3		53.3	48.5		46.0	37.6		42.9		
59.1	91.2	78.7	54.8	79.5	67.4	54.2	50.0	48.0	44.3	42.9	35.9		41.0	34.1	
65.6	87.0	76.0	53.1	74.7	67.0	53.1	48.2	47.6	44.0	40.3	35.4	33.2	38.5	32.4	
72.2	78.9	72.5	51.5	68.1	65.9	52.0	47.1	46.9	43.8	37.9	35.0	33.2	36.3	30.8	27.9
78.7	71.4	68.1	50.4	66.3	65.0	51.1	46.0	46.2	43.6	35.7	34.3	33.0	34.3	29.5	27.7
85.3	63.2	62.6	49.6	63.9	59.7	50.2	45.1	45.6	43.6	33.9	33.9	32.6	32.6	28.4	27.3
91.9	55.7	57.7	48.9	56.4	54.8	49.6	43.8	44.9	43.2	32.8	33.2	32.1	30.8	27.7	27.1
98.4	49.3	52.2	48.5	50.0	50.9	48.7	42.3	44.0	42.5	31.9	32.6	31.9	28.8	27.3	26.6
105.0	43.8	46.5	47.1	44.5	47.3	46.0	41.6	43.2	42.1	30.8	32.1	31.7	26.6	26.8	26.4
111.5	39.0	41.4	42.9	39.6	42.3	43.2	40.7	41.6	40.7	30.2	31.5	31.3	25.5	26.4	26.0
118.1	34.8	37.0	38.3	35.4	37.6	39.4	36.5	38.8	38.1	29.7	31.0	30.8	24.9	25.7	25.7
124.7	31.0	33.0	34.1	31.9	33.9	35.2	32.8	34.8	35.7	29.1	30.4	30.6	24.2	25.1	25.3
131.2	27.7	29.5	30.4	28.6	30.4	31.5	29.5	31.3	32.6	28.4	29.7	30.2	23.5	24.6	25.1
137.8	24.9	26.4	27.1	25.5	27.1	28.2	26.4	28.2	29.3	27.5	29.1	29.7	23.1	24.2	24.6
144.4	22.2	23.5	24.0	22.9	24.4	25.1	23.8	25.3	26.4	24.9	26.4	27.5	22.7	23.5	24.2
150.9	19.8	20.9		20.5	21.8	22.4	21.3	22.9	23.5	22.4	24.0	24.9	22.0	22.9	23.5
157.5	17.8	18.5		18.2	19.4	19.8	19.1	20.5	21.1	20.2	21.6	22.4	20.0	21.6	22.4
164.0	15.8	16.3		16.3	17.1		17.1	18.2	18.9	18.2	19.4	20.0	18.0	19.4	20.2
177.2				13.0	13.4		13.8	14.5		14.7	15.6	16.0	14.5	15.6	12.3
190.3							10.8	11.2		11.6	12.5	12.5	11.4	12.3	11.2
203.4										9.0	9.7		9.0	9.7	9.7
216.5										5.9	7.0		6.6	7.0	
229.7													4.6	4.8	



299,828 lbs **ASME**

lbs x 1,000

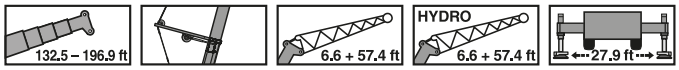
ft	132.5 ft + 6.6 ft + 57.4 ft			149.0 ft + 6.6 ft + 57.4 ft			165.7 ft + 6.6 ft + 57.4 ft			182.4 ft + 6.6 ft + 57.4 ft			196.9 ft + 6.6 ft + 57.4 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
32.8	71.8														
36.1	71.8			62.1											
39.4	71.8			62.1			47.6								
45.9	71.8			62.1			47.6			37.0					
52.5	68.7	57.3		62.1			46.9			37.0			31.7		
59.1	64.8	54.8		61.9	49.1		43.6	37.2		37.0			30.8		
65.6	62.3	52.4		59.3	48.9		40.7	37.0		35.2	28.2		29.9		
72.2	60.1	50.4	39.6	56.4	47.6		38.3	36.5		33.0	27.3		28.8	26.0	
78.7	57.5	48.9	38.5	54.0	46.2	38.1	37.2	36.3	32.1	31.0	26.8		27.9	24.6	
85.3	55.5	47.1	37.6	51.1	44.9	37.2	36.3	36.1	32.1	29.5	26.6	24.4	26.6	23.5	20.7
91.9	53.1	45.8	37.0	46.9	43.4	36.8	35.4	35.9	32.1	27.7	26.4	24.2	25.5	22.4	20.5
98.4	50.0	44.3	36.3	46.0	42.3	36.1	34.8	35.4	32.1	26.4	26.2	24.2	24.4	21.6	20.2
105.0	46.9	42.7	35.4	44.0	41.0	35.4	33.9	35.0	32.1	25.1	25.7	24.2	23.3	21.1	20.2
111.5	43.4	41.4	34.8	41.8	39.6	34.8	33.0	34.3	32.1	24.4	25.3	24.0	21.6	20.9	20.0
118.1	40.3	39.9	34.1	39.0	37.4	34.3	32.1	33.9	32.1	24.0	24.9	24.0	20.0	20.7	19.8
124.7	37.6	37.4	33.9	36.1	34.8	33.7	31.7	33.5	32.1	23.5	24.4	23.8	19.4	20.2	19.6
131.2	35.0	35.0	33.2	33.9	32.8	31.9	31.3	31.5	30.8	22.9	24.0	23.8	18.9	20.0	19.4
137.8	32.6	32.6	31.9	31.7	30.8	30.2	30.4	29.5	29.1	22.4	23.5	23.5	18.5	19.6	19.1
144.4	30.8	30.6	29.9	29.7	29.1	28.6	28.8	27.9	27.5	21.8	23.3	23.1	18.0	18.9	19.1
150.9	29.1	28.6	26.0	27.7	27.3	27.1	27.1	26.4	25.7	21.3	22.7	22.7	17.6	18.5	18.7
157.5	27.3	27.3	24.4	26.2	25.7	25.5	25.5	24.9	24.4	20.7	22.2	22.4	17.1	18.0	18.2
164.0	25.5	26.0	23.3	24.4	24.2	21.6	24.0	23.5	23.1	20.2	21.8	22.2	16.7	17.8	18.0
177.2	19.8	20.9		21.8	21.3	19.4	21.1	20.7	16.7	19.1	20.5	20.0	15.8	16.7	17.4
190.3				17.8	19.4		18.9	18.7	16.5	18.0	18.2	13.4	14.9	16.0	16.7
203.4				7.0	10.5		16.3	16.7		16.9	16.3	13.0	14.1	15.4	8.1
216.5							8.3	11.4		14.7	14.7		13.4	14.3	7.2
229.7										8.5	11.2		12.3	12.7	
242.8													6.8	5.5	



255,736 lbs **ASME**

lbs x 1,000

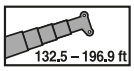
ft	132.5 ft + 6.6 ft + 57.4 ft			149.0 ft + 6.6 ft + 57.4 ft			165.7 ft + 6.6 ft + 57.4 ft			182.4 ft + 6.6 ft + 57.4 ft			196.9 ft + 6.6 ft + 57.4 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
32.8	71.8														
36.1	71.8			62.1											
39.4	71.8			62.1			47.6								
45.9	71.8			62.1			47.6			37.0					
52.5	68.7	57.3		62.1			46.9			37.0			31.7		
59.1	64.8	54.8		61.9	49.1		43.6	37.2		37.0			30.8		
65.6	62.3	52.4		59.3	48.9		40.7	37.0		35.2	28.2		29.9		
72.2	60.1	50.4	39.6	56.4	47.6		38.3	36.5		33.0	27.3		28.8	26.0	
78.7	57.5	48.9	38.5	54.0	46.2	38.1	37.2	36.3	32.1	31.0	26.8		27.9	24.6	
85.3	55.5	47.1	37.6	51.1	44.9	37.2	36.3	36.1	32.1	29.5	26.6	24.4	26.6	23.5	20.7
91.9	53.1	45.8	37.0	46.9	43.4	36.8	35.4	35.9	32.1	27.7	26.4	24.2	25.5	22.4	20.5
98.4	50.0	44.3	36.3	46.0	42.3	36.1	34.8	35.4	32.1	26.4	26.2	24.2	24.4	21.6	20.2
105.0	46.9	42.7	35.4	44.0	41.0	35.4	33.9	35.0	32.1	25.1	25.7	24.2	23.3	21.1	20.2
111.5	43.4	41.4	34.8	41.8	39.6	34.8	33.0	34.3	32.1	24.4	25.3	24.0	21.6	20.9	20.0
118.1	40.3	39.9	34.1	39.0	37.4	34.3	32.1	33.9	32.1	24.0	24.9	24.0	20.0	20.7	19.8
124.7	37.6	37.4	33.9	36.1	34.8	33.7	31.7	33.5	32.1	23.5	24.4	23.8	19.4	20.2	19.6
131.2	35.0	35.0	33.2	33.9	32.8	31.9	31.3	31.5	30.8	22.9	24.0	23.8	18.9	20.0	19.4
137.8	32.6	32.6	31.9	31.7	30.8	30.2	30.4	29.5	29.1	22.4	23.5	23.5	18.5	19.6	19.1
144.4	30.8	30.6	29.9	29.7	29.1	28.6	28.8	27.9	27.5	21.8	23.3	23.1	18.0	18.9	19.1
150.9	28.2	28.6	26.0	27.7	27.3	27.1	27.1	26.4	25.7	21.3	22.7	22.7	17.6	18.5	18.7
157.5	25.7	27.3	24.4	25.7	25.7	25.5	25.5	24.9	24.4	20.7	22.2	22.4	17.1	18.0	18.2
164.0	23.3	24.9	23.3	23.5	24.2	21.6	24.0	23.5	23.1	20.2	21.8	22.2	16.7	17.8	18.0
177.2	19.4	20.2		19.6	20.9	19.4	20.5	20.7	16.7	19.1	20.5	20.0	15.8	16.7	17.4
190.3				16.0	16.9		16.9	18.0	16.5	17.4	18.2	13.4	14.9	16.0	16.7
203.4				7.0	10.5		14.1	14.7		14.5	15.6	13.0	14.1	15.4	8.1
216.5							8.3	11.4		11.9	12.7		11.6	12.5	7.2
229.7										8.5	10.1		9.4	10.1	
242.8													6.8	5.5	

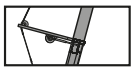
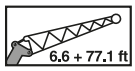


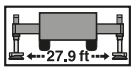
211,644 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 57.4 ft			149.0 ft + 6.6 ft + 57.4 ft			165.7 ft + 6.6 ft + 57.4 ft			182.4 ft + 6.6 ft + 57.4 ft			196.9 ft + 6.6 ft + 57.4 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
32.8	71.8														
36.1	71.8			62.1											
39.4	71.8			62.1			47.6								
45.9	71.8			62.1			47.6			37.0					
52.5	68.7	57.3		62.1			46.9			37.0			31.7		
59.1	64.8	54.8		61.9	49.1		43.6	37.2		37.0			30.8		
65.6	62.3	52.4		59.3	48.9		40.7	37.0		35.2	28.2		29.9		
72.2	60.1	50.4	39.6	56.4	47.6		38.3	36.5		33.0	27.3		28.8	26.0	
78.7	57.5	48.9	38.5	54.0	46.2	38.1	37.2	36.3	32.1	31.0	26.8		27.9	24.6	
85.3	55.5	47.1	37.6	51.1	44.9	37.2	36.3	36.1	32.1	29.5	26.6	24.4	26.6	23.5	20.7
91.9	53.1	45.8	37.0	46.9	43.4	36.8	35.4	35.9	32.1	27.7	26.4	24.2	25.5	22.4	20.5
98.4	50.0	44.3	36.3	46.0	42.3	36.1	34.8	35.4	32.1	26.4	26.2	24.2	24.4	21.6	20.2
105.0	45.4	42.7	35.4	44.0	41.0	35.4	33.9	35.0	32.1	25.1	25.7	24.2	23.3	21.1	20.2
111.5	40.5	41.4	34.8	40.7	39.6	34.8	33.0	34.3	32.1	24.4	25.3	24.0	21.6	20.9	20.0
118.1	36.3	39.6	34.1	36.5	37.4	34.3	32.1	33.9	32.1	24.0	24.9	24.0	20.0	20.7	19.8
124.7	32.6	35.7	33.9	32.8	34.8	33.7	31.7	33.5	32.1	23.5	24.4	23.8	19.4	20.2	19.6
131.2	29.3	32.1	33.2	29.5	32.4	31.9	30.4	31.5	30.8	22.9	24.0	23.8	18.9	20.0	19.4
137.8	26.4	28.8	30.6	26.6	29.3	30.2	27.5	29.5	29.1	22.4	23.5	23.5	18.5	19.6	19.1
144.4	23.8	26.0	27.3	24.0	26.2	27.9	24.9	27.3	27.5	21.8	23.3	23.1	18.0	18.9	19.1
150.9	21.3	23.3	24.4	21.6	23.5	25.1	22.4	24.6	25.7	21.3	22.7	22.7	17.6	18.5	18.7
157.5	19.1	20.9	21.8	19.4	21.3	22.4	20.2	22.2	23.5	20.7	22.2	22.4	17.1	18.0	18.2
164.0	17.1	18.5	19.1	17.4	19.1	20.0	18.2	20.0	21.3	18.7	20.7	22.0	16.7	17.8	18.0
177.2	13.6	14.5		13.8	15.2	15.6	14.7	16.0	16.7	15.2	16.7	17.8	14.7	16.7	17.4
190.3				10.8	11.6		11.6	12.7	13.2	12.1	13.4	13.4	11.9	13.4	14.3
203.4				7.0	8.5		9.0	9.9		9.4	10.5	11.0	9.2	10.5	8.1
216.5							6.8	7.2		7.2	8.1		7.0	7.9	7.2
229.7										5.2	5.7		5.0	5.7	
242.8													3.3	3.7	



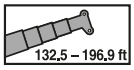



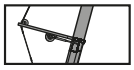
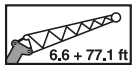


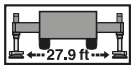
299,828 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 77.1 ft			149.0 ft + 6.6 ft + 77.1 ft			165.7 ft + 6.6 ft + 77.1 ft			182.4 ft + 6.6 ft + 77.1 ft			196.9 ft + 6.6 ft + 77.1 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
36.1	65.6														
39.4	65.2														
45.9	64.1			47.1			36.5								
52.5	63.0			47.1			36.5			27.9			23.8		
59.1	61.9			47.1			36.5			27.9			22.9		
65.6	60.6	45.6		47.1			35.9			27.9			22.0		
72.2	57.7	43.4		46.5	39.2		33.5	29.5		27.9			21.1		
78.7	54.8	41.6		44.3	39.2		31.5	29.3		27.7	21.8		20.2		
85.3	52.2	39.9	28.6	43.4	38.8		30.4	29.1		26.0	21.3		19.4	20.0	
91.9	49.8	38.1	27.7	43.4	37.4	27.5	29.9	29.1		24.4	21.1		18.2	19.1	
98.4	47.3	36.5	27.1	43.2	36.3	27.1	29.3	28.8	24.2	23.1	20.9	18.0	17.4	18.0	
105.0	44.7	35.0	26.4	43.2	35.2	26.4	28.6	28.6	24.2	22.0	20.7	18.0	16.9	16.9	14.9
111.5	42.1	33.5	25.7	42.5	33.9	25.7	27.7	28.4	24.2	20.9	20.2	18.0	16.7	16.7	14.9
118.1	39.2	32.1	25.1	39.9	32.6	25.3	27.3	28.2	24.2	19.8	20.0	18.0	16.0	16.3	14.9
124.7	36.3	31.0	24.4	35.0	31.5	24.6	26.8	27.7	24.2	19.1	19.8	18.0	15.6	16.0	14.9
131.2	33.9	29.9	24.2	32.1	30.4	24.4	26.4	27.5	24.0	18.7	19.6	18.0	15.2	15.8	14.9
137.8	31.7	29.1	23.8	29.5	28.8	24.0	25.7	27.1	23.8	18.2	19.4	18.0	14.9	15.6	14.7
144.4	29.7	27.9	23.3	27.7	27.1	23.5	25.1	25.7	23.3	17.8	18.9	18.0	14.5	15.2	14.5
150.9	27.9	26.6	23.1	26.2	25.5	23.1	24.6	24.2	23.1	17.4	18.5	17.8	14.1	14.9	14.3
157.5	26.2	25.1	22.9	24.6	24.0	22.9	23.8	22.9	22.2	16.9	18.0	17.6	13.6	14.5	14.1
164.0	24.4	23.5	22.7	23.1	22.7	22.7	22.2	21.3	21.3	16.3	17.8	17.4	13.2	14.3	13.8
177.2	21.8	20.7	18.9	20.5	20.2	20.0	19.6	19.4	18.9	15.6	17.1	16.9	12.5	13.4	13.4
190.3	19.4	18.7	16.9	18.0	17.8	15.6	17.4	16.9	17.1	14.7	16.3	16.5	11.9	12.7	13.0
203.4	10.3	14.9		16.0	16.0	13.8	15.4	15.2	12.3	14.1	14.7	14.7	11.0	12.3	12.5
216.5				10.1	12.3		13.8	13.6	11.6	13.6	13.0	9.4	10.3	11.6	5.7
229.7							9.4	10.3		12.1	11.6	9.0	9.9	11.2	5.0
242.8										8.8	8.5		9.4	10.1	4.1
255.9											4.8		6.8	3.5	



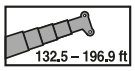



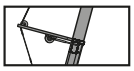
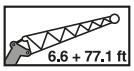


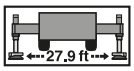
255,736 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 77.1 ft			149.0 ft + 6.6 ft + 77.1 ft			165.7 ft + 6.6 ft + 77.1 ft			182.4 ft + 6.6 ft + 77.1 ft			196.9 ft + 6.6 ft + 77.1 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
36.1	65.6														
39.4	65.2														
45.9	64.1			47.1			36.5								
52.5	63.0			47.1			36.5			27.9			23.8		
59.1	61.9			47.1			36.5			27.9			22.9		
65.6	60.6	45.6		47.1			35.9			27.9			22.0		
72.2	57.7	43.4		46.5	39.2		33.5	29.5		27.9			21.1		
78.7	54.8	41.6		44.3	39.2		31.5	29.3		27.7	21.8		20.2		
85.3	52.2	39.9	28.6	43.4	38.8		30.4	29.1		26.0	21.3		19.4	20.0	
91.9	49.8	38.1	27.7	43.4	37.4	27.5	29.9	29.1		24.4	21.1		18.2	19.1	
98.4	47.3	36.5	27.1	43.2	36.3	27.1	29.3	28.8	24.2	23.1	20.9	18.0	17.4	18.0	
105.0	44.7	35.0	26.4	43.2	35.2	26.4	28.6	28.6	24.2	22.0	20.7	18.0	16.9	16.9	14.9
111.5	42.1	33.5	25.7	42.5	33.9	25.7	27.7	28.4	24.2	20.9	20.2	18.0	16.7	16.7	14.9
118.1	39.2	32.1	25.1	39.9	32.6	25.3	27.3	28.2	24.2	19.8	20.0	18.0	16.0	16.3	14.9
124.7	36.3	31.0	24.4	35.0	31.5	24.6	26.8	27.7	24.2	19.1	19.8	18.0	15.6	16.0	14.9
131.2	33.9	29.9	24.2	32.1	30.4	24.4	26.4	27.5	24.0	18.7	19.6	18.0	15.2	15.8	14.9
137.8	31.7	29.1	23.8	29.5	28.8	24.0	25.7	27.1	23.8	18.2	19.4	18.0	14.9	15.6	14.7
144.4	29.7	27.9	23.3	27.7	27.1	23.5	25.1	25.7	23.3	17.8	18.9	18.0	14.5	15.2	14.5
150.9	27.9	26.6	23.1	26.2	25.5	23.1	24.6	24.2	23.1	17.4	18.5	17.8	14.1	14.9	14.3
157.5	26.2	25.1	22.9	24.6	24.0	22.9	23.8	22.9	22.2	16.9	18.0	17.6	13.6	14.5	14.1
164.0	24.4	23.5	22.7	23.1	22.7	22.7	22.2	21.3	21.3	16.3	17.8	17.4	13.2	14.3	13.8
177.2	20.5	20.7	18.9	20.5	20.2	20.0	19.6	19.4	18.9	15.6	17.1	16.9	12.5	13.4	13.4
190.3	16.9	18.2	16.9	16.9	17.8	15.6	17.4	16.9	17.1	14.7	16.3	16.5	11.9	12.7	13.0
203.4	10.3	14.7		14.1	15.2	13.8	14.5	15.2	12.3	14.1	14.7	14.7	11.0	12.3	12.5
216.5				10.1	12.1		11.9	13.0	11.6	12.3	13.0	9.4	10.3	11.6	5.7
229.7							9.4	10.3		9.9	11.0	9.0	9.4	10.8	5.0
242.8										7.9	8.5		7.4	8.5	4.1
255.9											4.8		5.7	3.5	



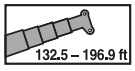



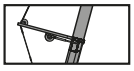
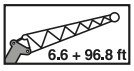


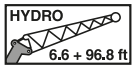
211,644 lbs **ASME**

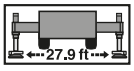
lbs x 1,000

ft	132.5 ft + 6.6 ft + 77.1 ft			149.0 ft + 6.6 ft + 77.1 ft			165.7 ft + 6.6 ft + 77.1 ft			182.4 ft + 6.6 ft + 77.1 ft			196.9 ft + 6.6 ft + 77.1 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
36.1	65.6														
39.4	65.2														
45.9	64.1			47.1			36.5								
52.5	63.0			47.1			36.5			27.9			23.8		
59.1	61.9			47.1			36.5			27.9			22.9		
65.6	60.6	45.6		47.1			35.9			27.9			22.0		
72.2	57.7	43.4		46.5	39.2		33.5	29.5		27.9			21.1		
78.7	54.8	41.6		44.3	39.2		31.5	29.3		27.7	21.8		20.2		
85.3	52.2	39.9	28.6	43.4	38.8		30.4	29.1		26.0	21.3		19.4	20.0	
91.9	49.8	38.1	27.7	43.4	37.4	27.5	29.9	29.1		24.4	21.1		18.2	19.1	
98.4	47.3	36.5	27.1	43.2	36.3	27.1	29.3	28.8	24.2	23.1	20.9	18.0	17.4	18.0	
105.0	44.7	35.0	26.4	43.2	35.2	26.4	28.6	28.6	24.2	22.0	20.7	18.0	16.9	16.9	14.9
111.5	42.1	33.5	25.7	41.8	33.9	25.7	27.7	28.4	24.2	20.9	20.2	18.0	16.7	16.7	14.9
118.1	37.6	32.1	25.1	37.6	32.6	25.3	27.3	28.2	24.2	19.8	20.0	18.0	16.0	16.3	14.9
124.7	33.9	31.0	24.4	33.9	31.5	24.6	26.8	27.7	24.2	19.1	19.8	18.0	15.6	16.0	14.9
131.2	30.6	29.9	24.2	30.6	30.4	24.4	26.4	27.5	24.0	18.7	19.6	18.0	15.2	15.8	14.9
137.8	27.7	29.1	23.8	27.7	28.8	24.0	25.7	27.1	23.8	18.2	19.4	18.0	14.9	15.6	14.7
144.4	24.9	27.9	23.3	24.9	27.1	23.5	25.1	25.7	23.3	17.8	18.9	18.0	14.5	15.2	14.5
150.9	22.4	25.3	23.1	22.4	25.5	23.1	22.9	24.2	23.1	17.4	18.5	17.8	14.1	14.9	14.3
157.5	20.2	22.9	22.9	20.2	23.1	22.9	20.7	22.9	22.2	16.9	18.0	17.6	13.6	14.5	14.1
164.0	18.2	20.5	22.0	18.2	20.7	22.7	18.7	21.3	21.3	16.3	17.8	17.4	13.2	14.3	13.8
177.2	14.7	16.5	17.6	14.7	16.7	18.0	15.2	17.4	18.9	15.4	17.1	16.9	12.5	13.4	13.4
190.3	11.6	13.0	13.2	11.6	13.4	14.3	12.1	14.1	15.2	12.5	14.5	15.8	11.9	12.7	13.0
203.4	9.2	9.7		9.0	10.3	10.5	9.4	11.0	11.9	9.9	11.6	12.5	9.4	11.2	12.5
216.5				6.8	7.4		7.2	8.3	8.8	7.7	9.0	9.4	7.2	8.8	5.7
229.7							5.2	5.9		5.7	6.6	7.0	5.2	6.6	5.0
242.8										3.9	4.6		3.5	4.4	4.1



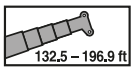


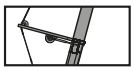
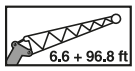


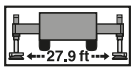
299,828 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 96.8 ft			149.0 ft + 6.6 ft + 96.8 ft			165.7 ft + 6.6 ft + 96.8 ft			182.4 ft + 6.6 ft + 96.8 ft			196.9 ft + 6.6 ft + 96.8 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
39.4	50.0														
45.9	49.8			35.4											
52.5	49.6			35.4			27.3			19.1					
59.1	49.1			35.4			27.3			18.9			17.6		
65.6	48.9			35.4			27.3			18.9			17.4		
72.2	48.5			35.4			27.3			18.9			17.1		
78.7	45.6	34.1		35.4	30.8		27.3			18.9			16.7		
85.3	42.7	32.4		34.6	30.6		26.2	22.7		18.9			16.5		
91.9	40.5	30.8		33.7	30.4		24.9	22.7		18.5	17.8		16.0		
98.4	38.3	29.5		32.8	29.5		24.4	22.7		18.2	16.9		15.6	15.2	
105.0	36.5	28.2	20.9	31.9	28.4	20.7	24.2	22.7		17.8	16.0		15.4	15.2	
111.5	35.0	26.8	20.0	31.7	27.1	20.2	24.0	22.4	17.6	17.4	15.8		14.9	14.9	
118.1	33.5	25.7	19.6	31.3	26.0	19.6	23.5	22.2	17.6	16.9	15.6	13.2	14.5	14.7	
124.7	32.1	24.9	19.1	30.2	25.1	19.1	23.3	22.2	17.6	16.5	15.6	13.2	14.3	14.5	13.0
131.2	30.6	23.8	18.7	29.1	24.2	18.9	22.9	22.0	17.6	16.0	15.4	13.2	13.8	14.3	12.7
137.8	29.1	22.9	18.2	27.9	23.3	18.5	22.7	21.8	17.6	15.6	15.2	13.2	13.6	14.1	12.7
144.4	27.5	22.2	17.8	26.2	22.4	18.0	22.2	21.6	17.6	14.9	14.9	13.2	13.2	13.8	12.7
150.9	25.7	21.3	17.6	24.6	21.8	17.8	21.8	21.1	17.6	14.3	14.7	13.2	12.7	13.4	12.5
157.5	24.2	20.7	17.1	23.1	21.1	17.4	21.3	20.9	17.1	13.6	14.5	13.2	12.3	13.2	12.5
164.0	22.7	20.0	16.9	21.3	20.5	16.9	21.1	20.2	16.9	13.0	14.1	13.0	11.9	12.7	12.3
177.2	20.0	18.9	16.5	19.1	18.9	16.5	20.9	18.0	16.5	12.3	13.4	12.7	11.0	12.3	11.9
190.3	17.8	17.6	13.4	16.9	16.7	16.0	17.1	15.8	15.6	11.6	13.0	12.5	10.5	11.4	11.4
203.4	16.0	15.8	13.4	14.7	14.7	12.3	14.3	14.3	14.1	11.0	12.3	12.1	9.9	10.8	11.0
216.5	11.6	11.9		13.2	13.2	10.8	12.5	12.7	9.0	10.3	11.9	11.9	9.0	10.3	10.5
229.7				10.3	11.9		11.2	11.2	8.8	9.7	10.8	6.6	8.5	9.9	10.1
242.8					6.6		9.2	9.9		9.4	9.4	6.1	7.9	9.0	
255.9								6.6		8.3	8.1	5.9	7.4	7.9	
269.0										3.9	5.2		6.6	6.8	



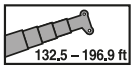



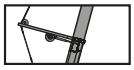
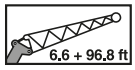


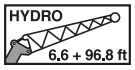
255,736 lbs **ASME**

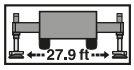
lbs x 1,000

ft	132.5 ft + 6.6 ft + 96.8 ft			149.0 ft + 6.6 ft + 96.8 ft			165.7 ft + 6.6 ft + 96.8 ft			182.4 ft + 6.6 ft + 96.8 ft			196.9 ft + 6.6 ft + 96.8 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
39.4	50.0														
45.9	49.8			35.4											
52.5	49.6			35.4			27.3			19.1					
59.1	49.1			35.4			27.3			18.9			17.6		
65.6	48.9			35.4			27.3			18.9			17.4		
72.2	48.5			35.4			27.3			18.9			17.1		
78.7	45.6	34.1		35.4	30.8		27.3			18.9			16.7		
85.3	42.7	32.4		34.6	30.6		26.2	22.7		18.9			16.5		
91.9	40.5	30.8		33.7	30.4		24.9	22.7		18.5	17.8		16.0		
98.4	38.3	29.5		32.8	29.5		24.4	22.7		18.2	16.9		15.6	15.2	
105.0	36.5	28.2	20.9	31.9	28.4	20.7	24.2	22.7		17.8	16.0		15.4	15.2	
111.5	35.0	26.8	20.0	31.7	27.1	20.2	24.0	22.4	17.6	17.4	15.8		14.9	14.9	
118.1	33.5	25.7	19.6	31.3	26.0	19.6	23.5	22.2	17.6	16.9	15.6	13.2	14.5	14.7	
124.7	32.1	24.9	19.1	30.2	25.1	19.1	23.3	22.2	17.6	16.5	15.6	13.2	14.3	14.5	13.0
131.2	30.6	23.8	18.7	29.1	24.2	18.9	22.9	22.0	17.6	16.0	15.4	13.2	13.8	14.3	12.7
137.8	29.1	22.9	18.2	27.9	23.3	18.5	22.7	21.8	17.6	15.6	15.2	13.2	13.6	14.1	12.7
144.4	27.5	22.2	17.8	26.2	22.4	18.0	22.2	21.6	17.6	14.9	14.9	13.2	13.2	13.8	12.7
150.9	25.7	21.3	17.6	24.6	21.8	17.8	21.8	21.1	17.6	14.3	14.7	13.2	12.7	13.4	12.5
157.5	24.2	20.7	17.1	23.1	21.1	17.4	21.3	20.9	17.1	13.6	14.5	13.2	12.3	13.2	12.5
164.0	22.7	20.0	16.9	21.3	20.5	16.9	21.1	20.2	16.9	13.0	14.1	13.0	11.9	12.7	12.3
177.2	20.0	18.9	16.5	19.1	18.9	16.5	20.9	18.0	16.5	12.3	13.4	12.7	11.0	12.3	11.9
190.3	17.6	17.6	13.4	16.9	16.7	16.0	17.1	15.8	15.6	11.6	13.0	12.5	10.5	11.4	11.4
203.4	14.5	15.8	13.4	14.5	14.7	12.3	14.3	14.3	14.1	11.0	12.3	12.1	9.9	10.8	11.0
216.5	11.6	11.9		11.9	13.2	10.8	12.1	12.7	9.0	10.3	11.9	11.9	9.0	10.3	10.5
229.7				9.7	10.5		9.9	11.2	8.8	9.7	10.8	6.6	8.5	9.9	10.1
242.8					6.6		7.9	8.8		8.3	9.4	6.1	7.9	9.0	
255.9								6.6		6.6	7.4	5.9	6.1	7.2	
269.0										3.9	5.2		4.4	5.5	



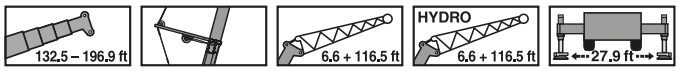




211,644 lbs **ASME**

lbs x 1,000

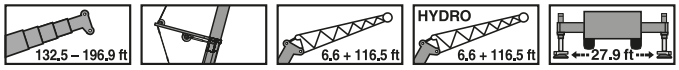
ft	132.5 ft + 6.6 ft + 96.8 ft			149.0 ft + 6.6 ft + 96.8 ft			165.7 ft + 6.6 ft + 96.8 ft			182.4 ft + 6.6 ft + 96.8 ft			196.9 ft + 6.6 ft + 96.8 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
39.4	50.0														
45.9	49.8			35.4											
52.5	49.6			35.4			27.3			19.1					
59.1	49.1			35.4			27.3			18.9			17.6		
65.6	48.9			35.4			27.3			18.9			17.4		
72.2	48.5			35.4			27.3			18.9			17.1		
78.7	45.6	34.1		35.4	30.8		27.3			18.9			16.7		
85.3	42.7	32.4		34.6	30.6		26.2	22.7		18.9			16.5		
91.9	40.5	30.8		33.7	30.4		24.9	22.7		18.5	17.8		16.0		
98.4	38.3	29.5		32.8	29.5		24.4	22.7		18.2	16.9		15.6	15.2	
105.0	36.5	28.2	20.9	31.9	28.4	20.7	24.2	22.7		17.8	16.0		15.4	15.2	
111.5	35.0	26.8	20.0	31.7	27.1	20.2	24.0	22.4	17.6	17.4	15.8		14.9	14.9	
118.1	33.5	25.7	19.6	31.3	26.0	19.6	23.5	22.2	17.6	16.9	15.6	13.2	14.5	14.7	
124.7	32.1	24.9	19.1	30.2	25.1	19.1	23.3	22.2	17.6	16.5	15.6	13.2	14.3	14.5	13.0
131.2	30.6	23.8	18.7	29.1	24.2	18.9	22.9	22.0	17.6	16.0	15.4	13.2	13.8	14.3	12.7
137.8	28.2	22.9	18.2	27.9	23.3	18.5	22.7	21.8	17.6	15.6	15.2	13.2	13.6	14.1	12.7
144.4	25.5	22.2	17.8	25.3	22.4	18.0	22.2	21.6	17.6	14.9	14.9	13.2	13.2	13.8	12.7
150.9	23.1	21.3	17.6	22.9	21.8	17.8	21.8	21.1	17.6	14.3	14.7	13.2	12.7	13.4	12.5
157.5	20.9	20.7	17.1	20.7	21.1	17.4	20.9	20.9	17.1	13.6	14.5	13.2	12.3	13.2	12.5
164.0	18.9	20.0	16.9	18.7	20.5	16.9	18.9	20.2	16.9	13.0	14.1	13.0	11.9	12.7	12.3
177.2	15.4	17.8	16.5	15.2	18.0	16.5	15.4	18.0	16.5	12.3	13.4	12.7	11.0	12.3	11.9
190.3	12.3	14.3	13.4	12.1	14.5	16.0	12.3	14.9	15.6	11.6	13.0	12.5	10.5	11.4	11.4
203.4	9.7	11.2	12.1	9.4	11.4	12.3	9.7	11.9	13.4	10.3	12.3	12.1	9.9	10.8	11.0
216.5	7.4	8.5		7.2	8.8	9.4	7.4	9.2	9.0	8.1	10.1	11.4	7.7	9.7	10.5
229.7				5.2	6.3		5.5	6.8	7.4	5.9	7.7	6.6	5.5	7.4	8.5
242.8					3.7		3.7	4.8		4.1	5.5	6.1	3.7	5.2	
255.9											3.7	3.7		3.5	



299,828 lbs **ASME**

lbs x 1,000

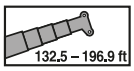
ft	132.5 ft + 6.6 ft + 116.5 ft			149.0 ft + 6.6 ft + 116.5 ft			165.7 ft + 6.6 ft + 116.5 ft			182.4 ft + 6.6 ft + 116.5 ft			196.9 ft + 6.6 ft + 116.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
45.9	40.5														
52.5	40.5			28.6											
59.1	40.1			28.6			21.3			14.5					
65.6	39.9			28.6			20.9			14.5			12.5		
72.2	39.9			28.6			20.7			14.5			12.5		
78.7	39.9			28.6			20.5			14.5			12.5		
85.3	37.6	27.5		28.4			20.0			14.5			12.5		
91.9	35.4	26.2		27.9	24.2		19.8			14.5			12.5		
98.4	33.7	24.9		27.5	24.2		19.6	17.6		14.5			12.5		
105.0	31.7	23.8		26.6	23.8		19.4	17.6		14.5	14.7		12.3	11.9	
111.5	30.4	22.7		26.0	22.7		19.4	17.6		14.5	14.5		12.1	11.9	
118.1	28.8	21.6	16.0	25.7	21.8		18.7	17.6		14.5	14.5		11.9	11.6	
124.7	27.5	20.7	15.6	25.5	20.9	15.6	18.2	17.6		14.3	14.3		11.4	11.6	
131.2	26.0	19.8	15.2	25.1	20.0	15.2	17.8	17.6	13.0	14.1	14.3		11.2	11.4	
137.8	24.6	19.1	14.9	24.4	19.4	14.9	17.4	17.4	13.0	13.6	14.1	11.6	11.0	11.2	9.4
144.4	23.3	18.2	14.5	23.5	18.5	14.5	16.9	17.4	13.0	13.2	14.1	11.4	10.8	11.0	9.4
150.9	22.2	17.6	14.1	22.7	17.8	14.3	16.7	17.1	13.0	13.0	13.6	11.4	10.3	10.8	9.4
157.5	21.3	16.9	13.6	21.8	17.1	13.8	16.3	16.9	13.0	12.5	13.2	11.4	10.1	10.5	9.4
164.0	20.2	16.5	13.4	20.9	16.7	13.6	15.8	16.5	13.0	12.1	13.0	11.4	9.7	10.3	9.2
177.2	18.5	15.4	13.0	18.2	15.6	13.0	14.9	16.0	13.0	11.4	12.5	11.2	9.0	9.7	8.8
190.3	17.1	14.5	12.3	16.0	14.7	12.5	14.3	15.2	12.5	10.5	11.9	11.0	8.1	9.2	8.5
203.4	15.2	13.6	12.1	14.3	13.8	11.9	13.6	13.4	12.1	10.1	11.4	10.8	7.7	8.8	8.3
216.5	13.4	13.0	9.4	12.7	12.7	11.6	12.1	11.9	11.6	9.7	10.8	10.5	7.0	8.3	8.1
229.7	11.6	11.9	9.4	11.0	11.0	8.5	10.3	10.5	10.5	9.0	9.9	9.9	6.6	7.7	7.9
242.8	4.8	8.5		9.9	9.9	7.4	9.2	9.4	6.3	8.3	8.5	4.4	6.1	7.2	7.9
255.9				4.6	6.3		8.1	8.1	5.9	7.9	7.4	3.9	5.9	6.8	
269.0							4.8	5.0		6.8	6.6	3.7	5.5	6.1	
282.2										4.4	3.5		5.0	5.5	

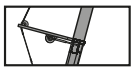
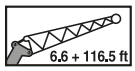


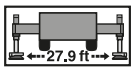
255,736 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 116.5 ft			149.0 ft + 6.6 ft + 116.5 ft			165.7 ft + 6.6 ft + 116.5 ft			182.4 ft + 6.6 ft + 116.5 ft			196.9 ft + 6.6 ft + 116.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
45.9	40.5														
52.5	40.5			28.6											
59.1	40.1			28.6			21.3			14.5					
65.6	39.9			28.6			20.9			14.5			12.5		
72.2	39.9			28.6			20.7			14.5			12.5		
78.7	39.9			28.6			20.5			14.5			12.5		
85.3	37.6	27.5		28.4			20.0			14.5			12.5		
91.9	35.4	26.2		27.9	24.2		19.8			14.5			12.5		
98.4	33.7	24.9		27.5	24.2		19.6	17.6		14.5			12.5		
105.0	31.7	23.8		26.6	23.8		19.4	17.6		14.5	14.7		12.3	11.9	
111.5	30.4	22.7		26.0	22.7		19.4	17.6		14.5	14.5		12.1	11.9	
118.1	28.8	21.6	16.0	25.7	21.8		18.7	17.6		14.5	14.5		11.9	11.6	
124.7	27.5	20.7	15.6	25.5	20.9	15.6	18.2	17.6		14.3	14.3		11.4	11.6	
131.2	26.0	19.8	15.2	25.1	20.0	15.2	17.8	17.6	13.0	14.1	14.3		11.2	11.4	
137.8	24.6	19.1	14.9	24.4	19.4	14.9	17.4	17.4	13.0	13.6	14.1	11.6	11.0	11.2	9.4
144.4	23.3	18.2	14.5	23.5	18.5	14.5	16.9	17.4	13.0	13.2	14.1	11.4	10.8	11.0	9.4
150.9	22.2	17.6	14.1	22.7	17.8	14.3	16.7	17.1	13.0	13.0	13.6	11.4	10.3	10.8	9.4
157.5	21.3	16.9	13.6	21.8	17.1	13.8	16.3	16.9	13.0	12.5	13.2	11.4	10.1	10.5	9.4
164.0	20.2	16.5	13.4	20.9	16.7	13.6	15.8	16.5	13.0	12.1	13.0	11.4	9.7	10.3	9.2
177.2	18.5	15.4	13.0	18.2	15.6	13.0	14.9	16.0	13.0	11.4	12.5	11.2	9.0	9.7	8.8
190.3	17.1	14.5	12.3	16.0	14.7	12.5	14.3	15.2	12.5	10.5	11.9	11.0	8.1	9.2	8.5
203.4	15.2	13.6	12.1	14.3	13.8	11.9	13.6	13.4	12.1	10.1	11.4	10.8	7.7	8.8	8.3
216.5	12.7	13.0	9.4	12.5	12.7	11.6	12.1	11.9	11.6	9.7	10.8	10.5	7.0	8.3	8.1
229.7	10.5	11.9	9.4	10.1	11.0	8.5	10.3	10.5	10.5	9.0	9.9	9.9	6.6	7.7	7.9
242.8	4.8	8.5		8.1	9.4	7.4	8.5	9.4	6.3	8.3	8.5	4.4	6.1	7.2	7.9
255.9				4.6	6.3		6.8	8.1	5.9	6.8	7.4	3.9	5.9	6.8	
269.0							4.8	5.0		5.2	6.6	3.7	4.8	6.1	
282.2										3.7	3.5		3.3	4.6	



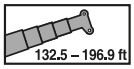



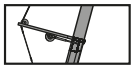
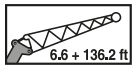


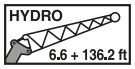
211,644 lbs **ASME**

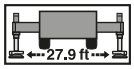
lbs x 1,000

ft	132.5 ft + 6.6 ft + 116.5 ft			149.0 ft + 6.6 ft + 116.5 ft			165.7 ft + 6.6 ft + 116.5 ft			182.4 ft + 6.6 ft + 116.5 ft			196.9 ft + 6.6 ft + 116.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
45.9	40.5														
52.5	40.5			28.6											
59.1	40.1			28.6			21.3			14.5					
65.6	39.9			28.6			20.9			14.5			12.5		
72.2	39.9			28.6			20.7			14.5			12.5		
78.7	39.9			28.6			20.5			14.5			12.5		
85.3	37.6	27.5		28.4			20.0			14.5			12.5		
91.9	35.4	26.2		27.9	24.2		19.8			14.5			12.5		
98.4	33.7	24.9		27.5	24.2		19.6	17.6		14.5			12.5		
105.0	31.7	23.8		26.6	23.8		19.4	17.6		14.5	14.7		12.3	11.9	
111.5	30.4	22.7		26.0	22.7		19.4	17.6		14.5	14.5		12.1	11.9	
118.1	28.8	21.6	16.0	25.7	21.8		18.7	17.6		14.5	14.5		11.9	11.6	
124.7	27.5	20.7	15.6	25.5	20.9	15.6	18.2	17.6		14.3	14.3		11.4	11.6	
131.2	26.0	19.8	15.2	25.1	20.0	15.2	17.8	17.6	13.0	14.1	14.3		11.2	11.4	
137.8	24.6	19.1	14.9	24.4	19.4	14.9	17.4	17.4	13.0	13.6	14.1	11.6	11.0	11.2	9.4
144.4	23.3	18.2	14.5	23.5	18.5	14.5	16.9	17.4	13.0	13.2	14.1	11.4	10.8	11.0	9.4
150.9	22.2	17.6	14.1	22.7	17.8	14.3	16.7	17.1	13.0	13.0	13.6	11.4	10.3	10.8	9.4
157.5	21.3	16.9	13.6	21.3	17.1	13.8	16.3	16.9	13.0	12.5	13.2	11.4	10.1	10.5	9.4
164.0	19.6	16.5	13.4	19.4	16.7	13.6	15.8	16.5	13.0	12.1	13.0	11.4	9.7	10.3	9.2
177.2	16.0	15.4	13.0	15.8	15.6	13.0	14.9	16.0	13.0	11.4	12.5	11.2	9.0	9.7	8.8
190.3	13.0	14.5	12.3	12.7	14.7	12.5	13.4	15.2	12.5	10.5	11.9	11.0	8.1	9.2	8.5
203.4	10.3	12.7	12.1	10.1	12.7	11.9	10.5	13.4	12.1	10.1	11.4	10.8	7.7	8.8	8.3
216.5	8.1	10.1	9.4	7.9	10.1	11.6	8.3	10.8	11.6	8.3	10.8	10.5	7.0	8.3	8.1
229.7	6.1	7.4	7.9	5.9	7.7	8.5	6.3	8.3	9.7	6.3	8.5	9.9	5.9	7.7	7.9
242.8	4.4	5.0		4.1	5.5	5.7	4.6	6.1	6.3	4.6	6.6	4.4	4.1	6.1	7.7
255.9					3.3			4.1	4.6		4.6	3.9		4.4	
269.0												3.3			



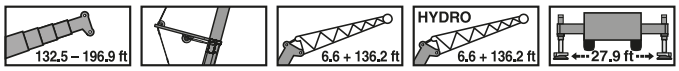




299,828 lbs **ASME**

lbs x 1,000

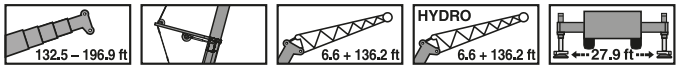
ft	132.5 ft + 6.6 ft + 136.2 ft			149.0 ft + 6.6 ft + 136.2 ft			165.7 ft + 6.6 ft + 136.2 ft			182.4 ft + 6.6 ft + 136.2 ft			196.9 ft + 6.6 ft + 136.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
52.5	26.0			20.9											
59.1	26.0			20.9			15.8								
65.6	26.0			20.9			15.8			11.9					
72.2	26.0			20.9			15.8			11.9			10.1		
78.7	26.0			20.9			15.8			11.9			10.1		
85.3	26.0			20.9			15.8			11.9			10.1		
91.9	26.0			20.9			15.8			11.9			9.9		
98.4	26.0	21.8		20.9			15.8			11.9			9.7		
105.0	26.0	20.5		20.9	19.1		15.8			11.9			9.4		
111.5	26.0	19.6		20.9	19.1		15.8	15.8		11.9			9.2		
118.1	24.9	18.5		20.9	18.7		15.8	15.8		11.6	11.0		9.0	8.5	
124.7	23.8	17.6		20.9	17.8		15.8	15.8		11.4	11.0		8.5	8.3	
131.2	22.7	16.9		20.9	16.9		15.8	15.8		11.0	10.8		8.3	8.3	
137.8	21.6	16.0	11.4	20.7	16.3		15.8	15.6		10.8	10.8		8.1	8.1	
144.4	20.5	15.4	11.0	20.0	15.6	11.0	15.8	15.4		10.3	10.5		7.7	7.9	
150.9	19.4	14.7	10.8	19.1	14.9	10.8	15.6	14.9	10.5	10.1	10.3		7.4	7.7	
157.5	18.2	14.1	10.3	18.2	14.3	10.5	14.9	14.3	10.3	9.7	10.1	7.7	7.2	7.7	5.9
164.0	17.4	13.6	10.1	17.6	13.8	10.1	14.5	13.8	10.1	9.2	9.9	7.7	7.0	7.4	5.9
177.2	15.8	12.5	9.7	16.3	12.7	9.9	13.6	12.7	9.9	8.5	9.4	7.7	6.3	6.8	5.7
190.3	14.3	11.6	9.2	14.7	11.9	9.2	13.0	11.9	9.4	7.9	8.8	7.4	5.7	6.3	5.5
203.4	13.0	10.8	8.8	13.0	11.0	9.0	12.1	11.2	9.0	7.4	8.5	7.2	5.2	6.1	5.2
216.5	11.9	10.1	8.5	11.4	10.3	8.5	10.8	10.3	8.5	7.0	8.1	7.2	4.8	5.7	5.0
229.7	10.8	9.4	5.7	9.9	9.7	8.1	9.2	9.2	8.1	6.6	7.4	7.0	4.4	5.2	4.8
242.8	9.4	9.0	5.7	8.3	8.5	5.5	7.9	8.1	7.7	6.1	7.0	7.0	3.7	5.0	4.8
255.9	5.9	5.9		7.2	7.4	5.0	6.8	6.8	3.3	5.7	6.3	6.3			
269.0				5.0	6.3	3.9	5.9	5.7		5.0	5.2				
282.2							4.1	4.8		4.4	4.4				
295.3										3.5	3.7				



255,736 lbs **ASME**

lbs x 1,000

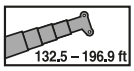
ft	132.5 ft + 6.6 ft + 136.2 ft			149.0 ft + 6.6 ft + 136.2 ft			165.7 ft + 6.6 ft + 136.2 ft			182.4 ft + 6.6 ft + 136.2 ft			196.9 ft + 6.6 ft + 136.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
52.5	26.0			20.9											
59.1	26.0			20.9			15.8								
65.6	26.0			20.9			15.8			11.9					
72.2	26.0			20.9			15.8			11.9			10.1		
78.7	26.0			20.9			15.8			11.9			10.1		
85.3	26.0			20.9			15.8			11.9			10.1		
91.9	26.0			20.9			15.8			11.9			9.9		
98.4	26.0	21.8		20.9			15.8			11.9			9.7		
105.0	26.0	20.5		20.9	19.1		15.8			11.9			9.4		
111.5	26.0	19.6		20.9	19.1		15.8	15.8		11.9			9.2		
118.1	24.9	18.5		20.9	18.7		15.8	15.8		11.6	11.0		9.0	8.5	
124.7	23.8	17.6		20.9	17.8		15.8	15.8		11.4	11.0		8.5	8.3	
131.2	22.7	16.9		20.9	16.9		15.8	15.8		11.0	10.8		8.3	8.3	
137.8	21.6	16.0	11.4	20.7	16.3		15.8	15.6		10.8	10.8		8.1	8.1	
144.4	20.5	15.4	11.0	20.0	15.6	11.0	15.8	15.4		10.3	10.5		7.7	7.9	
150.9	19.4	14.7	10.8	19.1	14.9	10.8	15.6	14.9	10.5	10.1	10.3		7.4	7.7	
157.5	18.2	14.1	10.3	18.2	14.3	10.5	14.9	14.3	10.3	9.7	10.1	7.7	7.2	7.7	5.9
164.0	17.4	13.6	10.1	17.6	13.8	10.1	14.5	13.8	10.1	9.2	9.9	7.7	7.0	7.4	5.9
177.2	15.8	12.5	9.7	16.3	12.7	9.9	13.6	12.7	9.9	8.5	9.4	7.7	6.3	6.8	5.7
190.3	14.3	11.6	9.2	14.7	11.9	9.2	13.0	11.9	9.4	7.9	8.8	7.4	5.7	6.3	5.5
203.4	13.0	10.8	8.8	13.0	11.0	9.0	12.1	11.2	9.0	7.4	8.5	7.2	5.2	6.1	5.2
216.5	11.9	10.1	8.5	11.4	10.3	8.5	10.8	10.3	8.5	7.0	8.1	7.2	4.8	5.7	5.0
229.7	10.5	9.4	5.7	9.9	9.7	8.1	9.2	9.2	8.1	6.6	7.4	7.0	4.4	5.2	4.8
242.8	8.5	9.0	5.7	8.1	8.5	5.5	7.9	8.1	7.7	6.1	7.0	7.0	3.7	5.0	4.8
255.9	5.9	5.9		6.3	7.4	5.0	6.3	6.8	3.3	5.7	6.3	6.3			
269.0				4.8	5.9	3.9	4.8	5.7		4.8	5.2				
282.2							3.3	4.4		3.3	4.4				

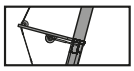
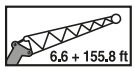


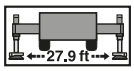
211,644 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 136.2 ft			149.0 ft + 6.6 ft + 136.2 ft			165.7 ft + 6.6 ft + 136.2 ft			182.4 ft + 6.6 ft + 136.2 ft			196.9 ft + 6.6 ft + 136.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
52.5	26.0			20.9											
59.1	26.0			20.9			15.8								
65.6	26.0			20.9			15.8			11.9					
72.2	26.0			20.9			15.8			11.9			10.1		
78.7	26.0			20.9			15.8			11.9			10.1		
85.3	26.0			20.9			15.8			11.9			10.1		
91.9	26.0			20.9			15.8			11.9			9.9		
98.4	26.0	21.8		20.9			15.8			11.9			9.7		
105.0	26.0	20.5		20.9	19.1		15.8			11.9			9.4		
111.5	26.0	19.6		20.9	19.1		15.8	15.8		11.9			9.2		
118.1	24.9	18.5		20.9	18.7		15.8	15.8		11.6	11.0		9.0	8.5	
124.7	23.8	17.6		20.9	17.8		15.8	15.8		11.4	11.0		8.5	8.3	
131.2	22.7	16.9		20.9	16.9		15.8	15.8		11.0	10.8		8.3	8.3	
137.8	21.6	16.0	11.4	20.7	16.3		15.8	15.6		10.8	10.8		8.1	8.1	
144.4	20.5	15.4	11.0	20.0	15.6	11.0	15.8	15.4		10.3	10.5		7.7	7.9	
150.9	19.4	14.7	10.8	19.1	14.9	10.8	15.6	14.9	10.5	10.1	10.3		7.4	7.7	
157.5	18.2	14.1	10.3	18.2	14.3	10.5	14.9	14.3	10.3	9.7	10.1	7.7	7.2	7.7	5.9
164.0	17.4	13.6	10.1	17.6	13.8	10.1	14.5	13.8	10.1	9.2	9.9	7.7	7.0	7.4	5.9
177.2	15.8	12.5	9.7	16.0	12.7	9.9	13.6	12.7	9.9	8.5	9.4	7.7	6.3	6.8	5.7
190.3	13.2	11.6	9.2	13.0	11.9	9.2	13.0	11.9	9.4	7.9	8.8	7.4	5.7	6.3	5.5
203.4	10.5	10.8	8.8	10.3	11.0	9.0	10.3	11.2	9.0	7.4	8.5	7.2	5.2	6.1	5.2
216.5	8.3	10.1	8.5	7.9	10.3	8.5	7.9	10.3	8.5	7.0	8.1	7.2	4.8	5.7	5.0
229.7	6.3	8.3	5.7	5.9	8.3	8.1	5.9	8.5	8.1	5.9	7.4	7.0	4.4	5.2	4.8
242.8	4.4	6.1	5.7	4.1	6.1	5.5	4.1	6.3	7.7	4.1	6.6	7.0	3.5	5.0	4.8
255.9		3.9			4.1	4.8		4.4	3.3		4.6	6.1			



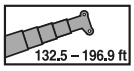



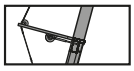
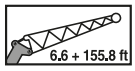


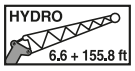
299,828 lbs **ASME**

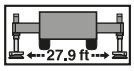
lbs x 1,000

ft	132.5 ft + 6.6 ft + 155.8 ft			149.0 ft + 6.6 ft + 155.8 ft			165.7 ft + 6.6 ft + 155.8 ft			182.4 ft + 6.6 ft + 136.2 ft			196.9 ft + 6.6 ft + 136.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
52.5	21.3														
59.1	21.3			17.1											
65.6	21.3			17.1			13.2								
72.2	21.3			17.1			13.2			10.5					
78.7	21.3			17.1			13.2			10.3			7.9		
85.3	21.3			17.1			13.2			10.1			7.7		
91.9	21.3			17.1			13.2			9.9			7.4		
98.4	21.3			17.1			13.2			9.7			7.2		
105.0	21.3			17.1			13.2			9.7			7.0		
111.5	21.3	16.3		17.1			13.2			9.4			6.8		
118.1	21.3	15.4		17.1	15.4		13.2			9.2			6.6		
124.7	20.7	14.5		17.1	14.5		13.2	12.5		9.0			6.3		
131.2	19.4	13.8		17.1	13.8		13.2	12.5		8.8	8.1		6.3	5.9	
137.8	18.2	13.2		17.1	13.2		13.2	12.3		8.5	8.1		6.1	5.9	
144.4	17.1	12.5		17.1	12.5		13.2	12.3		8.3	7.9		5.9	5.7	
150.9	16.3	11.9		16.7	12.1		12.7	11.9		7.9	7.7		5.7	5.7	
157.5	15.2	11.2	4.8	15.8	11.4		12.3	11.4		7.7	7.7		5.2	5.5	
164.0	14.5	10.8	4.6	14.9	11.0	4.6	12.1	10.8		7.4	7.4		5.0	5.2	
177.2	13.0	9.9	4.1	13.4	9.9	4.1	11.4	9.9	3.9	6.6	7.2		4.4	5.0	
190.3	11.6	9.0	3.7	12.1	9.2	3.7	10.5	9.2	3.3	6.1	6.8		3.9	4.6	
203.4	10.3	8.1	3.3	11.0	8.3	3.5	9.9	8.3		5.5	6.3		3.7	4.1	
216.5	9.4	7.4		9.9	7.7		9.4	7.7		5.2	5.9		3.3	3.7	
229.7	8.5	6.8		9.0	7.0		8.8	7.2		4.8	5.5				
242.8	7.7	6.3		7.9	6.6		7.4	6.6		4.1	5.2				
255.9	7.0	5.9		6.8	6.1		6.3	6.1		3.7	4.8				
269.0	5.9	5.5		5.9	5.7		5.5	5.5		3.5	4.6				
282.2				4.6	5.0										



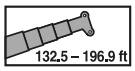


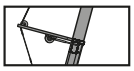
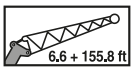


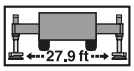
255,736 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 6.6 ft + 155.8 ft			149.0 ft + 6.6 ft + 155.8 ft			165.7 ft + 6.6 ft + 155.8 ft			182.4 ft + 6.6 ft + 136.2 ft			196.9 ft + 6.6 ft + 136.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
52.5	21,3														
59.1	21,3			17,1											
65.6	21,3			17,1			13,2								
72.2	21,3			17,1			13,2			10,5					
78.7	21,3			17,1			13,2			10,3			7,9		
85.3	21,3			17,1			13,2			10,1			7,7		
91.9	21,3			17,1			13,2			9,9			7,4		
98.4	21,3			17,1			13,2			9,7			7,2		
105.0	21,3			17,1			13,2			9,7			7,0		
111.5	21,3	16,3		17,1			13,2			9,4			6,8		
118.1	21,3	15,4		17,1	15,4		13,2			9,2			6,6		
124.7	20,7	14,5		17,1	14,5		13,2	12,5		9,0			6,3		
131.2	19,4	13,8		17,1	13,8		13,2	12,5		8,8	8,1		6,3	5,9	
137.8	18,2	13,2		17,1	13,2		13,2	12,3		8,5	8,1		6,1	5,9	
144.4	17,1	12,5		17,1	12,5		13,2	12,3		8,3	7,9		5,9	5,7	
150.9	16,3	11,9		16,7	12,1		12,7	11,9		7,9	7,7		5,7	5,7	
157.5	15,2	11,2	4,8	15,8	11,4		12,3	11,4		7,7	7,7		5,2	5,5	
164.0	14,5	10,8	4,6	14,9	11,0	4,6	12,1	10,8		7,4	7,4		5,0	5,2	
177.2	13,0	9,9	4,1	13,4	9,9	4,1	11,4	9,9	3,9	6,6	7,2		4,4	5,0	
190.3	11,6	9,0	3,7	12,1	9,2	3,7	10,5	9,2	3,3	6,1	6,8		3,9	4,6	
203.4	10,3	8,1	3,3	11,0	8,3	3,5	9,9	8,3		5,5	6,3		3,7	4,1	
216.5	9,4	7,4		9,9	7,7		9,4	7,7		5,2	5,9		3,3	3,7	
229.7	8,5	6,8		9,0	7,0		8,8	7,2		4,8	5,5				
242.8	7,7	6,3		7,9	6,6		7,4	6,6		4,1	5,2				
255.9	6,8	5,9		6,3	6,1		6,3	6,1		3,7	4,8				
269.0	5,2	5,5		4,8	5,7		4,8	5,5		3,5	4,6				
282.2				3,3	4,6										



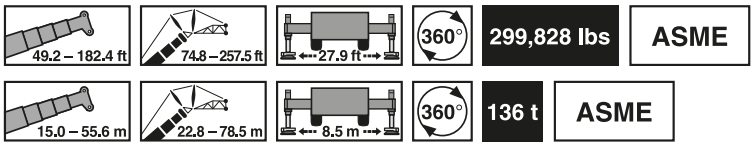


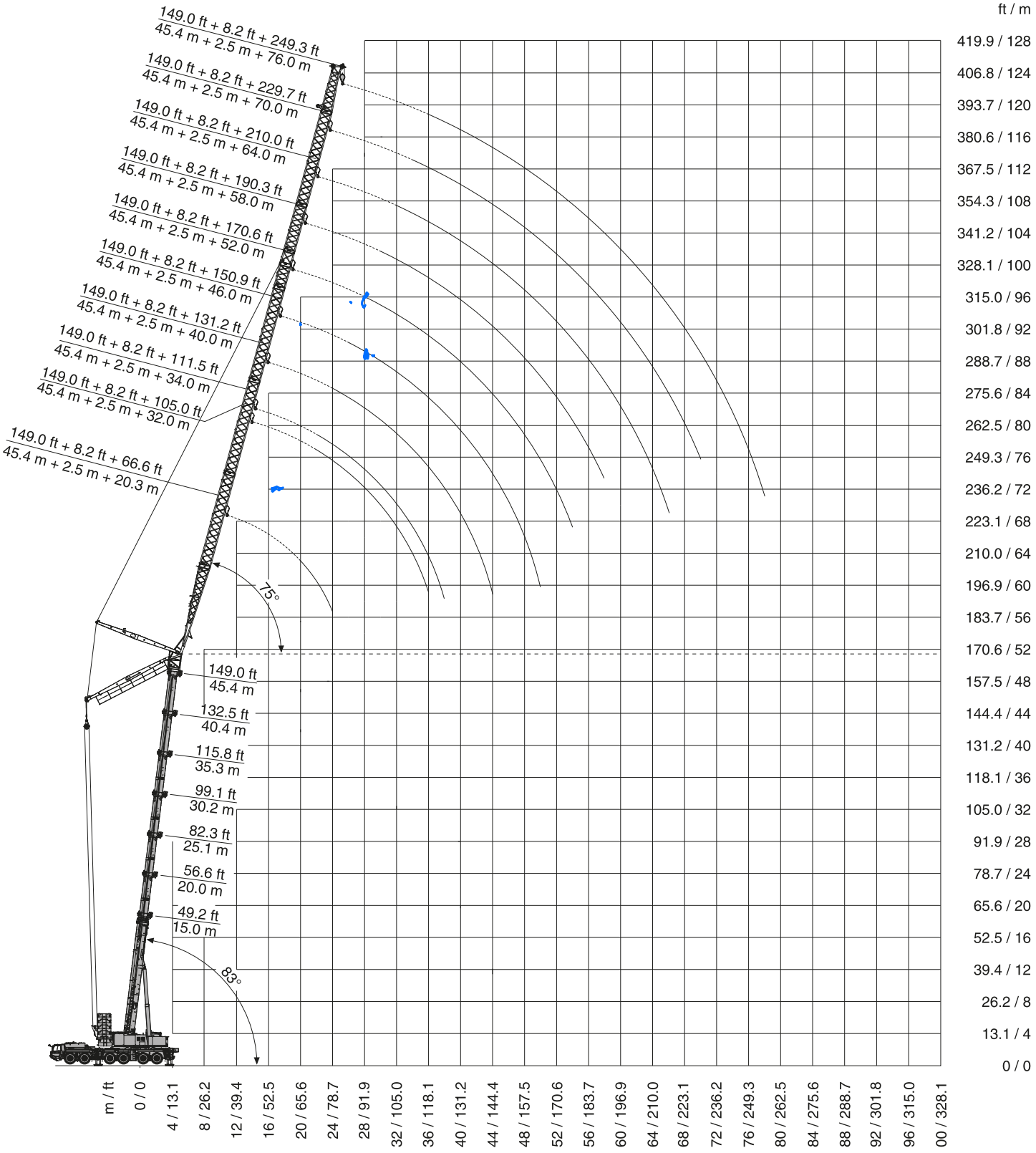
211,644 lbs **ASME**

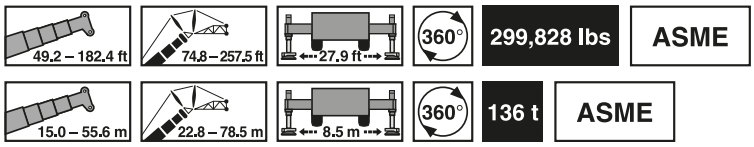
lbs x 1,000

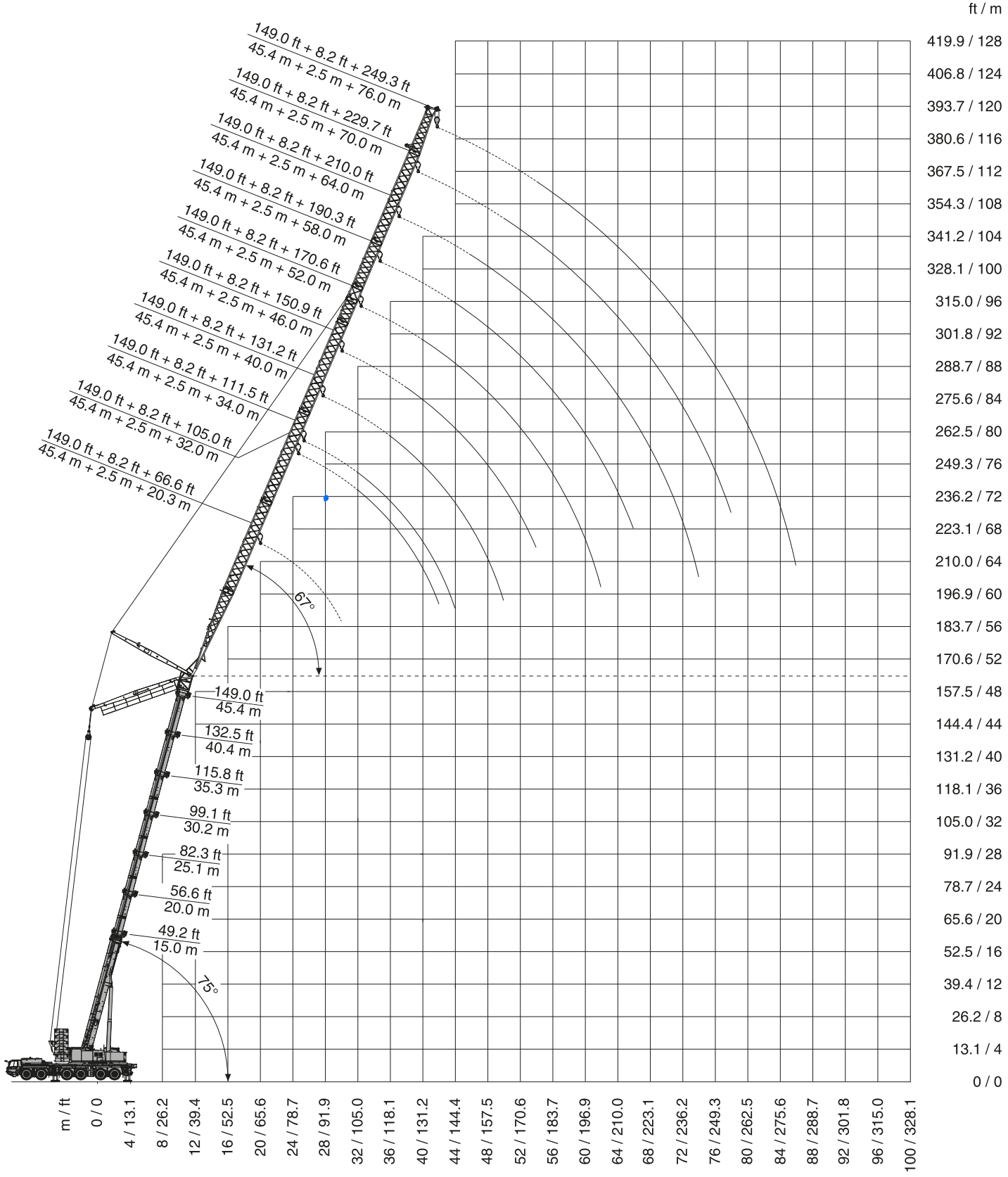
ft	132.5 ft + 6.6 ft + 155.8 ft			149.0 ft + 6.6 ft + 155.8 ft			165.7 ft + 6.6 ft + 155.8 ft			182.4 ft + 6.6 ft + 136.2 ft			196.9 ft + 6.6 ft + 136.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
52.5	21.3														
59.1	21.3			17.1											
65.6	21.3			17.1			13.2								
72.2	21.3			17.1			13.2			10.5					
78.7	21.3			17.1			13.2			10.3			7.9		
85.3	21.3			17.1			13.2			10.1			7.7		
91.9	21.3			17.1			13.2			9.9			7.4		
98.4	21.3			17.1			13.2			9.7			7.2		
105.0	21.3			17.1			13.2			9.7			7.0		
111.5	21.3	16.3		17.1			13.2			9.4			6.8		
118.1	21.3	15.4		17.1	15.4		13.2			9.2			6.6		
124.7	20.7	14.5		17.1	14.5		13.2	12.5		9.0			6.3		
131.2	19.4	13.8		17.1	13.8		13.2	12.5		8.8	8.1		6.3	5.9	
137.8	18.2	13.2		17.1	13.2		13.2	12.3		8.5	8.1		6.1	5.9	
144.4	17.1	12.5		17.1	12.5		13.2	12.3		8.3	7.9		5.9	5.7	
150.9	16.3	11.9		16.7	12.1		12.7	11.9		7.9	7.7		5.7	5.7	
157.5	15.2	11.2	4.8	15.8	11.4		12.3	11.4		7.7	7.7		5.2	5.5	
164.0	14.5	10.8	4.6	14.9	11.0	4.6	12.1	10.8		7.4	7.4		5.0	5.2	
177.2	13.0	9.9	4.1	13.4	9.9	4.1	11.4	9.9	3.9	6.6	7.2		4.4	5.0	
190.3	11.6	9.0	3.7	12.1	9.2	3.7	10.5	9.2	3.3	6.1	6.8		3.9	4.6	
203.4	10.3	8.1	3.3	10.3	8.3	3.5	9.9	8.3		5.5	6.3		3.7	4.1	
216.5	8.3	7.4		7.9	7.7		7.9	7.7		5.2	5.9		3.3	3.7	
229.7	6.3	6.8		5.9	7.0		5.9	7.2		4.8	5.5				
242.8	4.6	6.3		4.1	6.6		4.1	6.6		4.1	5.2				
255.9		4.8			4.8			4.8			4.8				

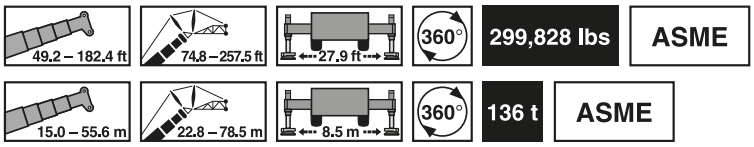
Working range · Rayon de travail · Zona de trabajo

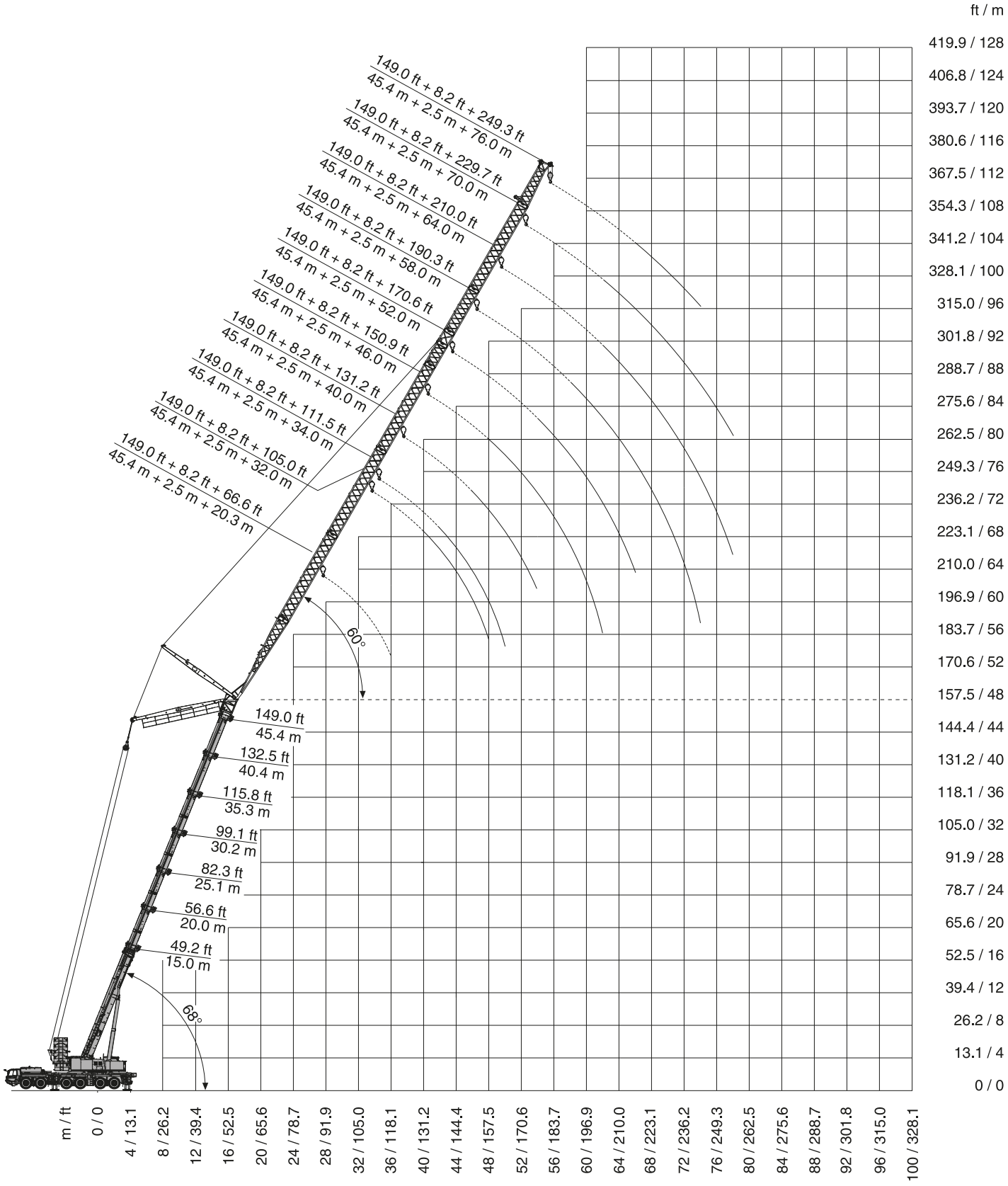




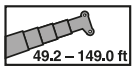

49.2 – 182.4 ft
74.8 – 257.5 ft
27.9 ft
360°
299,828 lbs
ASME
15.0 – 55.6 m
22.8 – 78.5 m
8.5 m
360°
136 t
ASME

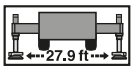

ft / m
419.9 / 128
406.8 / 124
393.7 / 120
380.6 / 116
367.5 / 112
354.3 / 108
341.2 / 104
328.1 / 100
315.0 / 96
301.8 / 92
288.7 / 88
275.6 / 84
262.5 / 80
249.3 / 76
236.2 / 72
223.1 / 68
210.0 / 64
196.9 / 60
183.7 / 56
170.6 / 52
157.5 / 48
144.4 / 44
131.2 / 40
118.1 / 36
105.0 / 32
91.9 / 28
78.7 / 24
65.6 / 20
52.5 / 16
39.4 / 12
26.2 / 8
13.1 / 4
0 / 0
149.0 ft + 8.2 ft + 249.3 ft
45.4 m + 2.5 m + 76.0 m
149.0 ft + 8.2 ft + 229.7 ft
45.4 m + 2.5 m + 70.0 m
149.0 ft + 8.2 ft + 210.0 ft
45.4 m + 2.5 m + 64.0 m
149.0 ft + 8.2 ft + 190.3 ft
45.4 m + 2.5 m + 58.0 m
149.0 ft + 8.2 ft + 170.6 ft
45.4 m + 2.5 m + 52.0 m
149.0 ft + 8.2 ft + 150.9 ft
45.4 m + 2.5 m + 46.0 m
149.0 ft + 8.2 ft + 131.2 ft
45.4 m + 2.5 m + 40.0 m
149.0 ft + 8.2 ft + 111.5 ft
45.4 m + 2.5 m + 34.0 m
149.0 ft + 8.2 ft + 105.0 ft
45.4 m + 2.5 m + 32.0 m
149.0 ft + 8.2 ft + 66.6 ft
45.4 m + 2.5 m + 20.3 m
67°
149.0 ft
45.4 m
132.5 ft
40.4 m
115.8 ft
35.3 m
99.1 ft
30.2 m
82.3 ft
25.1 m
56.6 ft
20.0 m
49.2 ft
15.0 m
75°
m / ft
0 / 0
4 / 13.1
8 / 26.2
12 / 39.4
16 / 52.5
20 / 65.6
24 / 78.7
28 / 91.9
32 / 105.0
36 / 118.1
40 / 131.2
44 / 144.4
48 / 157.5
52 / 170.6
56 / 183.7
60 / 196.9
64 / 210.0
68 / 223.1
72 / 236.2
76 / 249.3
80 / 262.5
84 / 275.6
88 / 288.7
92 / 301.8
96 / 315.0
100 / 328.1


49.2 – 182.4 ft
74.8 – 257.5 ft
27.9 ft
360°
299,828 lbs
ASME
15.0 – 55.6 m
22.8 – 78.5 m
8.5 m
360°
136 t
ASME


ft / m
419.9 / 128
406.8 / 124
393.7 / 120
380.6 / 116
367.5 / 112
354.3 / 108
341.2 / 104
328.1 / 100
315.0 / 96
301.8 / 92
288.7 / 88
275.6 / 84
262.5 / 80
249.3 / 76
236.2 / 72
223.1 / 68
210.0 / 64
196.9 / 60
183.7 / 56
170.6 / 52
157.5 / 48
144.4 / 44
131.2 / 40
118.1 / 36
105.0 / 32
91.9 / 28
78.7 / 24
65.6 / 20
52.5 / 16
39.4 / 12
26.2 / 8
13.1 / 4
0 / 0
149.0 ft + 8.2 ft + 249.3 ft
45.4 m + 2.5 m + 76.0 m
149.0 ft + 8.2 ft + 229.7 ft
45.4 m + 2.5 m + 70.0 m
149.0 ft + 8.2 ft + 210.0 ft
45.4 m + 2.5 m + 64.0 m
149.0 ft + 8.2 ft + 190.3 ft
45.4 m + 2.5 m + 58.0 m
149.0 ft + 8.2 ft + 170.6 ft
45.4 m + 2.5 m + 52.0 m
149.0 ft + 8.2 ft + 150.9 ft
45.4 m + 2.5 m + 46.0 m
149.0 ft + 8.2 ft + 131.2 ft
45.4 m + 2.5 m + 40.0 m
149.0 ft + 8.2 ft + 111.5 ft
45.4 m + 2.5 m + 34.0 m
149.0 ft + 8.2 ft + 105.0 ft
45.4 m + 2.5 m + 32.0 m
149.0 ft + 8.2 ft + 66.6 ft
45.4 m + 2.5 m + 20.3 m
60°
149.0 ft
45.4 m
132.5 ft
40.4 m
115.8 ft
35.3 m
99.1 ft
30.2 m
82.3 ft
25.1 m
56.6 ft
20.0 m
49.2 ft
15.0 m
68°
m / ft
0 / 0
4 / 13.1
8 / 26.2
12 / 39.4
16 / 52.5
20 / 65.6
24 / 78.7
28 / 91.9
32 / 105.0
36 / 118.1
40 / 131.2
44 / 144.4
48 / 157.5
52 / 170.6
56 / 183.7
60 / 196.9
64 / 210.0
68 / 223.1
72 / 236.2
76 / 249.3
80 / 262.5
84 / 275.6
88 / 288.7
92 / 301.8
96 / 315.0
100 / 328.1

Lifting capacities · Charges de levage · Cargas

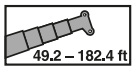


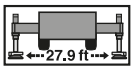


299,828 lbs **ASME**

lbs x 1,000

ft	49.2 ft + 8.2 ft + 66.6 ft			82.3 ft + 8.2 ft + 66.6 ft			115.8 ft + 8.2 ft + 66.6 ft			132.5 ft + 8.2 ft + 66.6 ft			149.0 ft + 8.2 ft + 66.6 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
45.9				144.6											
52.5		148.6		130.5											
59.1		134.5		119.0			100.8			86.0					
65.6		123.0	124.6	103.8	104.9		91.7			80.7			67.7		
72.2		113.1	114.6	84.0	95.9		84.7			74.1			61.9		
78.7			106.0		88.8			70.3		69.0			53.1		
85.3					84.2	77.8		64.8			56.9				
91.9						72.5		60.4			48.7				
98.4									47.2		44.8			39.0	
105.0									43.2						
111.5												35.9			
118.1															30.4





299,828 lbs **ASME**

lbs x 1,000

ft	49.2 ft + 8.2 ft + 105.0 ft			82.3 ft + 8.2 ft + 105.0 ft			115.8 ft + 8.2 ft + 105.0 ft			149.0 ft + 8.2 ft + 105.0 ft			182.4 ft + 8.2 ft + 105.0 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
39.4	134.9														
45.9	131.4			95.9											
52.5	126.1			93.9											
59.1	115.1			92.2			71.4								
65.6	105.8	107.6		90.6			70.3								
72.2	97.9	99.4		87.1	85.5		69.4			39.2			30.2		
78.7	91.1	92.4	93.3	81.4	79.6		68.3			39.0			30.2		
85.3	85.1	86.4	86.9	76.3	74.5		67.0			38.4			30.2		
91.9	75.8	81.1	81.6	71.9	70.1		63.3	57.5		37.7			29.8		
98.4	63.1	76.3	76.7	67.9	65.9	64.2	59.7	49.4		37.3			29.3		
105.0	45.0	72.1	72.5	64.4	62.4	60.6	50.0	44.8		35.5	33.7		29.1		
111.5		54.9	68.6	48.3	59.3	52.5	46.7	41.9	39.2	33.3	31.3		28.4	25.8	
118.1			64.8		50.7	47.8		39.0	36.4	31.3	29.1		26.0	24.0	
124.7					48.9	45.0		36.8	34.0		27.1			22.3	
131.2						42.5		34.8	31.7		25.4	24.3		20.7	
137.8									29.8		23.8	22.7		19.4	
144.4									28.0			21.2		18.1	16.8
150.9												19.8			15.7
157.5												18.5			14.6
164.0															13.7

49.2 – 182.4 ft | 8.2 + 111.5 ft | 27.9 ft | 360° | **299,828 lbs** | **ASME**

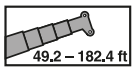
lbs x 1,000

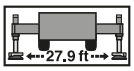
ft	49.2 ft + 8.2 ft + 111.5 ft			82.3 ft + 8.2 ft + 111.5 ft			115.8 ft + 8.2 ft + 111.5 ft			149.0 ft + 8.2 ft + 111.5 ft			182.4 ft + 8.2 ft + 111.5 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
45.9	117.3														
52.5	106.5			88.4											
59.1	97.2			86.9			65.0								
65.6	89.5	98.1		85.1			64.2								
72.2	82.9	90.6		83.6			63.3			37.5					
78.7	77.2	83.8		78.5	77.4		62.6			36.4			20.3		
85.3	72.1	78.0	83.6	73.9	72.5		61.1			35.7			19.8		
91.9	67.7	72.8	77.8	69.7	68.1		55.8	48.7		35.5			19.2		
98.4	63.9	68.3	72.8	65.7	64.2	61.7	47.6	45.0		35.1			19.0		
105.0	53.4	64.4	68.3	62.2	60.6	56.0	45.0	41.9		34.8	33.3		18.7		
111.5		60.8	64.4	49.6	51.4	48.3	42.8	39.0		33.5	30.9		18.7		
118.1		46.7	60.6		48.5	45.2	41.2	36.4	34.6	31.1	28.9		18.7		
124.7			50.5		46.1	42.3		34.2	32.2	29.3	26.9		18.7	17.6	
131.2					44.3	39.9		32.2	30.0		25.1		17.9	16.3	
137.8						38.1		30.6	28.0		23.6	22.3		15.2	
144.4									26.2		22.3	20.9		14.1	
150.9									24.7			19.6		13.2	
157.5												18.3		12.3	11.0
164.0												17.2			10.4
177.2															8.8

49.2 – 182.4 ft | 8.2 + 131.2 ft | 27.9 ft | 360° | **299,828 lbs** | **ASME**

lbs x 1,000

ft	49.2 ft + 8.2 ft + 131.2 ft			82.3 ft + 8.2 ft + 131.2 ft			115.8 ft + 8.2 ft + 131.2 ft			149.0 ft + 8.2 ft + 131.2 ft			182.4 ft + 8.2 ft + 131.2 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
45.9	80.9														
52.5	73.2														
59.1	66.8			66.8											
65.6	60.6			62.2			48.1								
72.2	53.8	60.6		57.3			47.2								
78.7	48.7	53.6		50.9			46.3			32.0					
85.3	44.8	49.2		46.3	54.9		45.0			31.5			20.7		
91.9	41.4	45.4	48.9	43.0	48.9		43.2			31.1			20.5		
98.4	38.6	41.9	45.2	39.9	45.6		40.8	45.0		31.1			20.3		
105.0	35.9	39.0	41.9	37.3	42.3		38.4	43.9		30.9			20.1		
111.5	33.5	36.4	38.8	34.8	39.5	43.9	36.2	41.9		30.6			19.6		
118.1	31.5	34.0	36.2	32.6	36.8	41.0	34.0	39.5		30.4	29.1		19.2		
124.7	29.5	31.7	34.0	30.6	34.6	38.1	32.0	37.0		29.8	27.1		18.5		
131.2		29.8	31.7	28.9	32.4	35.7	30.2	34.8	32.0	27.8	25.4		17.4	15.9	
137.8		28.2	29.8		30.4	33.5	28.4	32.8	30.0	26.2	23.8		16.3	14.8	
144.4					28.7	31.5		31.1	28.2	25.1	22.5		15.4	13.7	
150.9						29.5		29.5	26.7		21.2	19.6		12.8	
157.5						28.0		28.0	25.1		20.1	18.5		12.1	
164.0									23.8		19.0	17.4		11.2	9.9
177.2												15.4		9.9	8.6
190.3															7.5

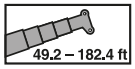


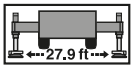


299,828 lbs **ASME**

lbs x 1,000

ft	49.2 ft + 8.2 ft + 150.9 ft			82.3 ft + 8.2 ft + 150.9 ft			115.8 ft + 8.2 ft + 150.9 ft			149.0 ft + 8.2 ft + 150.9 ft			182.4 ft + 8.2 ft + 150.9 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
52.5	80.9														
59.1	78.9														
65.6	77.4			52.2											
72.2	75.6			51.1			39.5								
78.7	74.1			50.3			38.8								
85.3	71.7	72.1		49.4			38.4			28.4					
91.9	67.5	67.9		48.5			37.7			28.2			17.0		
98.4	63.9	64.4		47.8	48.1		37.3			28.0			16.5		
105.0	60.6	60.8	60.6	47.2	47.4		36.6			27.6			16.5		
111.5	57.8	58.0	57.5	46.5	46.5		36.2	36.6		27.1			16.3		
118.1	55.1	55.1	54.9	45.9	45.9		35.7	35.7		26.9			16.1		
124.7	48.7	52.7	52.2	45.2	44.3	42.5	35.5	33.5		26.9	26.0		15.9		
131.2	43.4	49.6	50.0	44.5	42.3	40.3	35.1	31.5		26.2	24.5		15.7		
137.8	37.5	45.9	47.8	42.8	40.3	37.9	34.2	29.8	26.0	25.1	22.9		15.2	13.4	
144.4	31.7	42.1	45.9	40.3	38.1	35.7	33.1	28.0	24.5	23.8	21.4		14.3	12.3	
150.9		37.0	42.3	35.3	36.4	33.7	31.5	26.5	22.9	22.7	20.3		13.4	11.7	
157.5		30.6	39.2		34.8	32.0	30.4	24.9	21.6	21.6	19.0	17.4	12.6	10.8	
164.0					33.5	30.2		23.8	20.3	20.5	17.9	16.3	11.9	10.1	
177.2						27.8		21.6	18.1		16.1	14.3		8.8	7.3
190.3									16.3			12.8		7.7	6.2
203.4												11.5			5.3
216.5															4.4

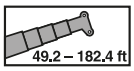


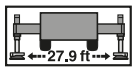


299,828 lbs **ASME**

lbs x 1,000

ft	49.2 ft + 8.2 ft + 150.9 ft			82.3 ft + 8.2 ft + 150.9 ft			115.8 ft + 8.2 ft + 150.9 ft			149.0 ft + 8.2 ft + 150.9 ft			182.4 ft + 8.2 ft + 150.9 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
52.5	56.9														
59.1	50.3														
65.6	45.4			45.2											
72.2	41.7			42.1			40.1								
78.7	38.4	42.1		39.0			39.2								
85.3	35.3	38.8		36.2			37.3			28.0					
91.9	32.6	35.7		33.5			35.1			27.8			17.2		
98.4	30.4	33.1		31.3	35.5		33.1			27.6			17.0		
105.0	28.2	30.6	32.8	29.1	33.1		30.9			27.3			16.8		
111.5	26.5	28.4	30.4	27.3	30.9		29.1	34.0		26.9			16.5		
118.1	24.7	26.7	28.4	25.6	28.9		27.3	32.0		26.2			16.3		
124.7	23.1	24.9	26.5	24.0	26.9	29.8	25.6	30.2		25.4	26.9		16.3		
131.2	21.6	23.4	24.9	22.5	25.1	28.0	24.0	28.2		24.5	25.1		16.1		
137.8	20.5	21.8	23.4	21.2	23.8	26.0	22.7	26.7		23.4	23.6		15.9		
144.4	19.2	20.7	21.8	20.1	22.3	24.5	21.4	25.1	28.4	22.3	22.3		15.0	13.2	
150.9		19.4	20.5	19.0	20.9	23.1	20.1	23.6	26.9	21.2	20.9		14.1	12.3	
157.5		18.3	19.4		19.8	21.6	19.0	22.3	25.4	20.3	19.8	18.1	13.4	11.5	
164.0					18.7	20.5		20.9	23.8	19.2	18.7	17.0	12.6	10.8	
177.2						18.3		18.7	21.2		16.8	15.2		9.5	8.2
190.3									19.0			13.4		8.4	7.1
203.4												12.1			6.0
216.5															5.1

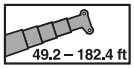


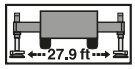


299,828 lbs **ASME**

lbs x 1,000

ft	49.2 ft + 8.2 ft + 170.6 ft			82.3 ft + 8.2 ft + 170.6 ft			115.8 ft + 8.2 ft + 170.6 ft			149.0 ft + 8.2 ft + 170.6 ft			182.4 ft + 8.2 ft + 170.6 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
59.1	65.7														
65.6	64.4														
72.2	61.3			43.2											
78.7	56.0			42.5			35.3								
85.3	51.8			41.7			35.1								
91.9	48.9	54.0		41.0			34.6			24.7					
98.4	46.3	49.2		40.6			34.4			24.5			13.4		
105.0	43.7	46.5		39.9	39.9		34.2			24.3			13.2		
111.5	41.4	43.9		39.5	39.5		33.7			24.0			13.2		
118.1	39.2	41.7	43.7	38.6	38.8		33.5	34.0		23.8			13.2		
124.7	37.3	39.5	41.4	37.0	38.4		33.3	33.3		23.8			13.2		
131.2	35.5	37.5	39.5	35.5	37.5	37.0	33.1	31.7		23.6	23.8		13.0		
137.8	33.7	35.7	37.5	33.7	36.6	35.3	32.8	30.4		23.4	22.5		12.8		
144.4	32.2	34.0	35.5	32.4	35.1	34.0	32.6	29.1		22.9	21.4		12.8		
150.9	30.6	32.4	34.0	31.1	33.5	32.6	31.3	28.0	25.4	22.5	20.1		12.8	11.2	
157.5	29.1	30.9	32.4	29.8	32.2	31.3	30.4	26.9	24.3	21.4	19.0		12.3	10.4	
164.0	26.0	29.5	30.9	28.4	30.9	30.2	29.3	26.0	23.4	20.3	17.9		11.7	9.7	
177.2		25.6	28.2		28.4	28.0	27.6	23.8	21.2	18.5	16.1	14.3	10.4	8.4	
190.3						25.8		21.6	19.0		14.3	12.6		7.3	5.7
203.4									17.2		13.0	11.2		6.4	4.9
216.5												9.9		5.5	4.0
229.7															3.3

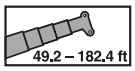


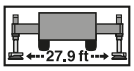


299,828 lbs **ASME**

lbs x 1,000

ft	49.2 ft + 8.2 ft + 170.6 ft			82.3 ft + 8.2 ft + 170.6 ft			115.8 ft + 8.2 ft + 170.6 ft			149.0 ft + 8.2 ft + 170.6 ft			182.4 ft + 8.2 ft + 170.6 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
59.1	41.4														
65.6	37.9														
72.2	34.8			34.8											
78.7	32.2			32.4											
85.3	29.8			30.2			30.6								
91.9	27.6	30.0		28.0			29.1			23.8					
98.4	25.6	27.8		26.2			27.6			23.6			13.7		
105.0	23.8	25.8		24.5	27.6		26.2			22.9			13.4		
111.5	22.3	23.8		22.7	25.6		24.7			22.5			13.4		
118.1	20.7	22.5	23.8	21.4	24.0		23.1			21.6			13.2		
124.7	19.4	20.9	22.3	20.1	22.5		21.8	25.6		20.9			13.2		
131.2	18.3	19.6	20.9	18.7	21.2	23.1	20.5	24.3		20.1	22.5		13.0		
137.8	17.2	18.3	19.6	17.6	19.8	21.8	19.2	22.7		19.2	21.8		13.0		
144.4	16.1	17.2	18.3	16.8	18.5	20.5	18.1	21.4		18.3	21.2		13.0		
150.9	15.2	16.3	17.2	15.7	17.4	19.2	17.2	20.1	22.9	17.4	20.3		13.0	11.9	
157.5	14.3	15.4	16.3	14.8	16.5	18.1	16.1	19.0	21.6	16.8	19.6		12.8	11.2	
164.0	13.7	14.6	15.2	14.1	15.7	17.0	15.2	17.9	20.3	15.9	18.5		12.3	10.4	
177.2		13.0	13.7		13.9	15.2	13.7	15.9	18.1	14.3	16.8	15.0	11.0	9.3	
190.3						13.7		14.1	16.1		15.0	13.4		7.9	6.6
203.4									14.3		13.7	11.9		7.1	5.5
216.5												10.8		6.2	4.9
229.7															4.0

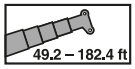


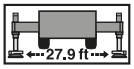


299,828 lbs **ASME**

lbs x 1,000

ft	49.2 ft + 8.2 ft + 190.3 ft			82.3 ft + 8.2 ft + 190.3 ft			115.8 ft + 8.2 ft + 190.3 ft			149.0 ft + 8.2 ft + 190.3 ft			182.4 ft + 8.2 ft + 190.3 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
65.6	56.4														
72.2	52.7														
78.7	50.7			38.6											
85.3	49.8			38.1			32.2								
91.9	49.2			37.7			31.7								
98.4	48.5	48.7		37.3			31.5			20.5					
105.0	47.6	47.8		36.8			31.3			20.3			10.4		
111.5	47.0	47.4		36.6			30.9			20.1			10.1		
118.1	45.9	45.4		36.2	36.4		30.6			19.8			10.1		
124.7	43.9	43.4		35.7	36.2		30.4	30.6		19.8			10.1		
131.2	42.1	41.7	41.0	35.5	34.6		30.2	30.2		19.6			9.9		
137.8	40.6	39.9	39.2	35.3	33.1		30.0	28.9		19.4			9.7		
144.4	39.0	38.4	37.7	34.2	31.7	29.8	29.8	27.8		19.4	19.2		9.5		
150.9	37.7	37.0	36.4	32.8	30.4	28.7	29.5	26.2		19.2	18.7		9.5		
157.5	35.3	35.7	35.1	31.7	29.3	27.3	28.7	24.7		19.2	17.9		9.5	9.0	
164.0	32.4	34.6	33.7	30.6	28.2	26.5	27.8	23.4	20.1	19.0	16.8		9.5	8.4	
177.2	24.9	31.5	31.7	28.7	26.2	24.5	25.4	20.9	17.6	17.4	15.0		9.3	7.1	
190.3		25.4	29.5	24.0	24.7	22.7	23.4	18.7	15.7	15.7	13.2	11.5	7.9	6.0	
203.4					23.1	20.7		17.0	13.9		11.9	10.1	7.1	5.1	3.5
216.5								15.7	12.3		10.6	8.8		4.2	
229.7									11.2			7.9		3.5	
242.8												6.8			

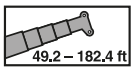


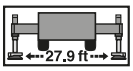


299,828 lbs **ASME**

lbs x 1,000

ft	49.2 ft + 8.2 ft + 190.3 ft			82.3 ft + 8.2 ft + 190.3 ft			115.8 ft + 8.2 ft + 190.3 ft			149.0 ft + 8.2 ft + 190.3 ft			182.4 ft + 8.2 ft + 190.3 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
72.2	46.1														
78.7	43.9			37.0											
85.3	41.4			36.6			32.0								
91.9	38.8			35.9			31.7								
98.4	36.8			35.5			31.3			20.7					
105.0	34.6	37.0		34.0			31.1			20.5			10.8		
111.5	32.6	34.8		32.4			30.4			20.5			10.8		
118.1	30.9	33.1		30.9	33.3		29.8			20.3			10.6		
124.7	29.3	31.1		29.3	32.0		28.9	30.6		20.1			10.6		
131.2	27.8	29.5	31.1	28.0	30.6		27.8	29.8		20.1			10.4		
137.8	26.5	28.0	29.5	26.7	29.1		26.9	29.1		19.8			10.1		
144.4	25.1	26.7	28.0	25.4	27.8	29.8	25.8	28.0		19.8	19.6		10.1		
150.9	23.8	25.4	26.5	24.3	26.5	28.4	24.9	26.9		19.6	19.4		10.1		
157.5	22.7	24.0	25.1	23.1	25.4	27.1	23.8	25.6		19.6	18.7		10.1	9.9	
164.0	21.6	22.9	24.0	22.0	24.0	25.8	22.9	24.0	20.7	19.6	17.6		10.1	9.3	
177.2	19.8	20.9	21.8	20.3	22.0	23.6	21.2	21.6	18.3	18.1	15.7		9.9	7.9	
190.3		19.2	20.1	18.5	20.1	21.6	19.4	19.6	16.3	16.5	14.1	12.3	8.8	6.8	
203.4					18.5	19.8		17.9	14.6		12.6	11.0	7.9	6.0	4.2
216.5								16.5	13.2		11.5	9.7		5.1	3.5
229.7									11.9			8.6		4.4	
242.8												7.7			

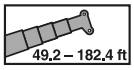


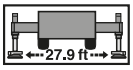


299,828 lbs **ASME**

lbs x 1,000

ft	49.2 ft + 8.2 ft + 210.0 ft			82.3 ft + 8.2 ft + 210.0 ft			115.8 ft + 8.2 ft + 210.0 ft			149.0 ft + 8.2 ft + 210.0 ft			182.4 ft + 8.2 ft + 210.0 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
78.7	42.5														
85.3	42.1			34.8											
91.9	41.4			34.6			27.8								
98.4	41.0			34.2			27.6								
105.0	40.3			33.7			27.3			17.2					
111.5	39.9	40.1		33.5			27.1			17.2			8.4		
118.1	39.5	39.5		33.1			26.9			17.0			8.2		
124.7	39.0	38.8		32.8	32.4		26.7			17.0			8.2		
131.2	37.9	37.3		32.6	31.1		26.5			16.8			8.2		
137.8	36.6	35.7	35.1	32.2	29.8		26.2	25.8		16.8			7.9		
144.4	35.3	34.6	33.7	31.1	28.7		26.0	24.7		16.5			7.9		
150.9	34.2	33.3	32.6	30.0	27.6		25.8	23.6		16.5	16.5		7.9		
157.5	33.1	32.2	31.3	28.9	26.5	24.7	25.8	22.7		16.3	16.5		7.9		
164.0	32.0	31.1	30.4	27.8	25.6	23.6	25.4	21.8		16.3	16.3		7.7		
177.2	29.5	29.1	28.4	26.0	23.8	21.8	23.6	20.1	17.4	16.1	14.8		7.7	6.6	
190.3	23.8	27.6	26.7	24.5	22.3	20.3	22.0	18.7	16.1	15.4	13.0		7.5	5.5	
203.4	17.9	24.5	25.4	23.1	20.9	19.0	20.7	17.4	14.8	14.1	11.7	9.7	6.6	4.6	
216.5			22.7		19.6	17.4	19.6	16.1	13.2	12.8	10.4	8.6	6.0	3.7	
229.7						15.4		15.0	11.5		9.3	7.1			
242.8									9.9		8.4	5.7			
255.9												4.6			

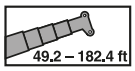


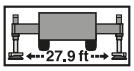


299,828 lbs **ASME**

lbs x 1,000

ft	49.2 ft + 8.2 ft + 210.0 ft			82.3 ft + 8.2 ft + 210.0 ft			115.8 ft + 8.2 ft + 210.0 ft			149.0 ft + 8.2 ft + 210.0 ft			182.4 ft + 8.2 ft + 210.0 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
78.7	36.4														
85.3	34.4			32.2											
91.9	32.6			31.1											
98.4	30.6			29.8			26.5								
105.0	28.9			28.4			25.8			17.4					
111.5	27.3	29.1		27.1			25.1			17.2			8.8		
118.1	25.8	27.6		25.8			24.3			17.2			8.8		
124.7	24.5	26.0		24.5	26.9		23.6			17.0			8.6		
131.2	23.1	24.7		23.4	25.6		22.7			17.0			8.6		
137.8	21.8	23.4	24.5	22.3	24.3		21.8	23.8		16.8			8.6		
144.4	20.7	22.0	23.1	21.2	23.1		20.9	23.1		16.8			8.4		
150.9	19.8	20.9	22.0	20.1	22.0		20.1	22.3		16.5	16.8		8.4		
157.5	18.7	19.8	20.9	19.2	20.9	22.7	19.4	21.4		16.5	16.5		8.2		
164.0	17.9	19.0	19.8	18.3	20.1	21.6	18.5	20.7		16.5	16.5		8.2		
177.2	16.3	17.2	18.1	16.8	18.3	19.6	17.0	19.0	17.2	15.7	15.4		8.2	7.5	
190.3	14.8	15.7	16.3	15.2	16.5	17.9	15.7	17.4	15.9	15.0	13.9		7.9	6.4	
203.4	13.7	14.3	15.0	14.1	15.2	16.3	14.3	16.1	14.6	14.1	12.3	10.6	7.5	5.3	
216.5			13.7		13.9	15.0		14.8	13.0	13.2	11.0	9.3	6.6	4.6	
229.7						13.7		13.7	11.7		9.9	8.2		3.7	
242.8									10.6		9.0	7.3		3.3	
255.9												6.2			

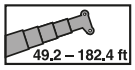


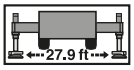


299,828 lbs **ASME**

lbs x 1,000

ft	49.2 ft + 8.2 ft + 229.7 ft			82.3 ft + 8.2 ft + 229.7 ft			115.8 ft + 8.2 ft + 229.7 ft			149.0 ft + 8.2 ft + 229.7 ft			182.4 ft + 8.2 ft + 229.7 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
85.3	35.1														
91.9	34.6			30.4											
98.4	34.2			30.0											
105.0	34.0			29.8			23.4								
111.5	33.5			29.5			23.1			13.9					
118.1	32.8			29.3			22.9			13.9			9.9		
124.7	32.2	32.8		28.9			22.9			13.7			9.9		
131.2	31.3	32.2		28.4	28.9		22.7			13.7			9.7		
137.8	30.0	31.1		28.0	28.2		22.5			13.4			9.5		
144.4	28.9	30.2		27.3	26.9		22.3			13.4			9.5		
150.9	27.6	28.9	28.9	26.7	26.0		22.3	20.5		13.4			9.5		
157.5	26.5	27.8	28.0	25.8	24.9		22.0	19.6		13.4			9.3		
164.0	25.6	26.7	27.1	25.1	24.0		21.8	19.0		13.4	13.4		9.3		
177.2	23.6	24.7	25.4	23.6	22.3	20.5	20.9	17.4		13.2	13.4		9.0	9.3	
190.3	21.8	22.9	23.8	22.0	20.9	19.0	19.4	16.1	13.4	13.2	12.6		8.8	8.6	
203.4	20.5	21.4	22.0	20.7	19.6	17.6	18.3	15.0	12.6	13.2	11.2	8.8	8.8	7.5	
216.5	17.4	19.8	20.5	19.4	18.3	16.5	17.2	14.1	11.5	12.3	9.9	7.7	8.8	6.4	4.4
229.7		18.1	19.2	17.0	17.4	14.8	16.3	13.0	9.9	11.2	8.8	6.4	7.9	5.5	3.5
242.8					15.4	13.0		11.9	8.6		7.9	5.3	7.1	4.6	
255.9								10.4	7.3		7.1	4.0		4.0	
269.0									6.2					3.5	



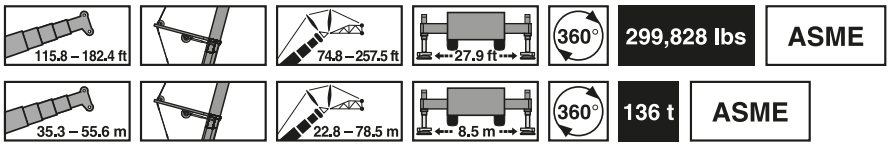


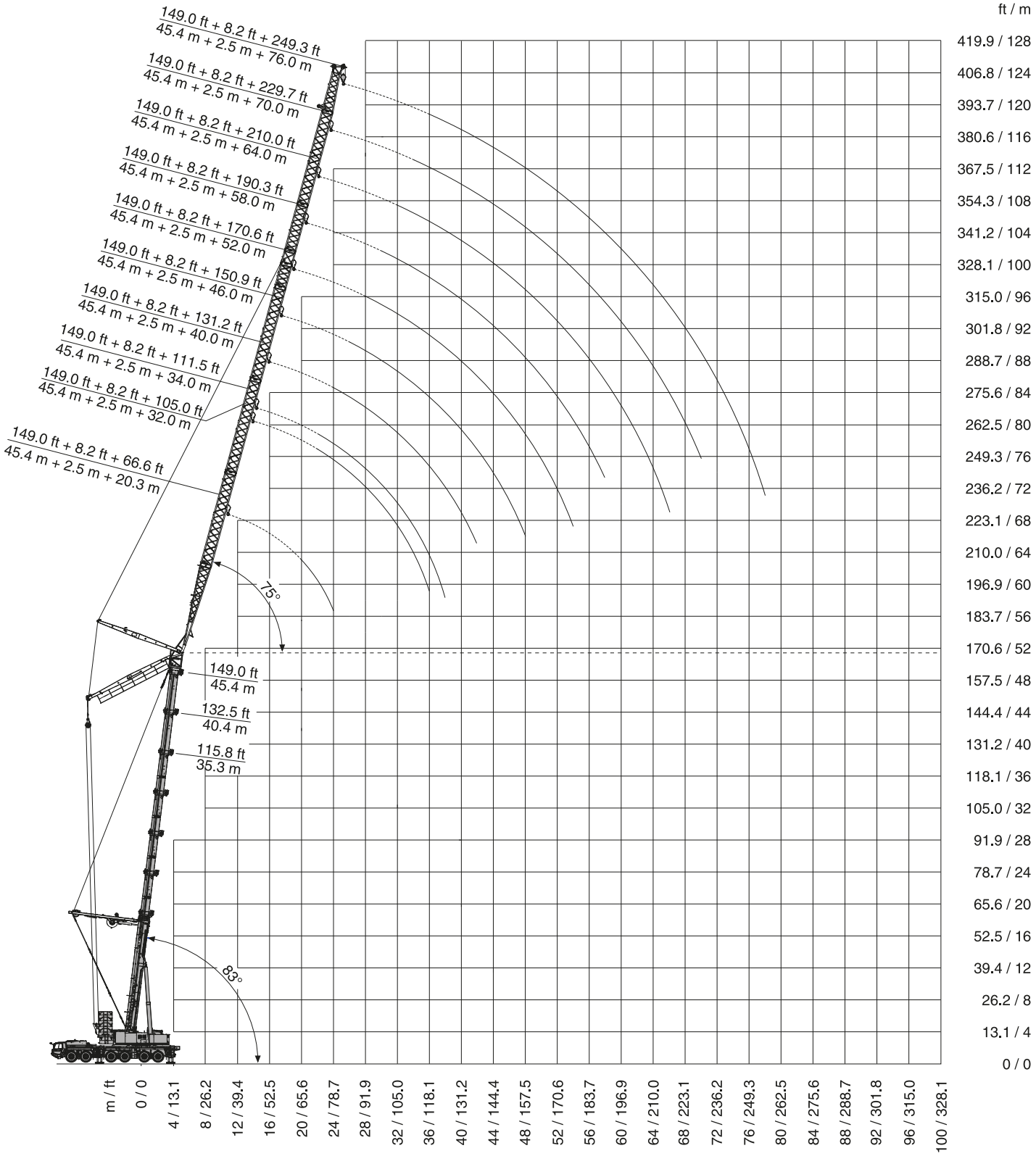
299,828 lbs **ASME**

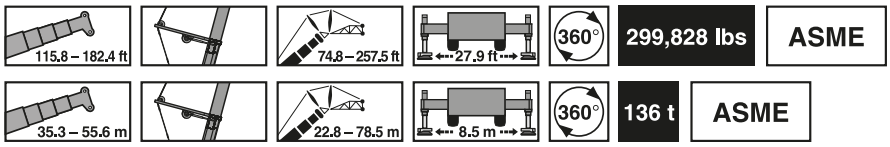
lbs x 1,000

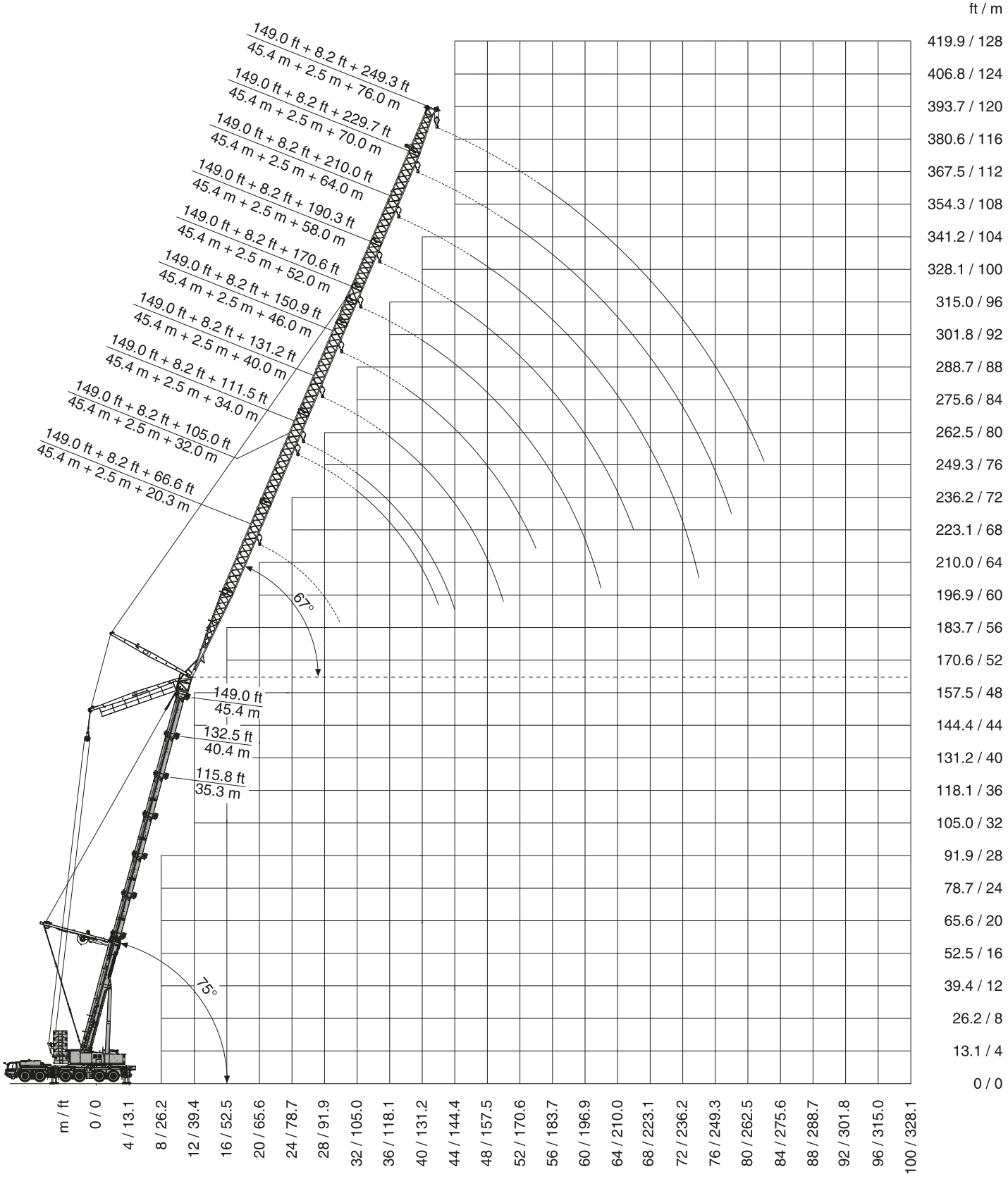
ft	49.2 ft + 8.2 ft + 249.3 ft			82.3 ft + 8.2 ft + 249.3 ft			115.8 ft + 8.2 ft + 249.3 ft			149.0 ft + 8.2 ft + 249.3 ft			182.4 ft + 8.2 ft + 249.3 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
91.9	28.2														
98.4	28.0			25.4											
105.0	27.6			25.1											
111.5	26.9			24.7			19.6								
118.1	26.2			24.0			19.4			15.2			11.2		
124.7	25.4			23.6			19.4			15.2			11.0		
131.2	24.5	25.6		22.9			19.2			15.0			11.0		
137.8	23.4	24.5		22.3			19.0			15.0			11.0		
144.4	22.5	23.6		21.6	22.7		19.0			14.8			11.0		
150.9	21.6	22.7		20.9	22.0		18.7			14.8			11.0		
157.5	20.7	21.8		20.3	21.2		18.5	16.1		14.8			10.8		
164.0	20.1	20.9	21.8	19.6	20.5		18.1	15.4		14.6	13.7		10.8		
177.2	18.5	19.4	20.1	18.3	19.0		17.4	14.3		14.3	12.3		10.6	10.8	
190.3	17.2	17.9	18.5	17.2	17.9	15.9	16.5	13.2		14.3	11.5		10.4	10.4	
203.4	15.9	16.5	17.2	16.1	16.5	14.8	15.4	12.1	9.7	14.1	10.6		10.4	9.9	
216.5	14.8	15.4	16.1	15.0	15.7	13.7	14.6	11.2	8.8	13.2	9.7	6.8	10.4	9.0	5.7
229.7	13.9	14.6	15.0	14.1	14.8	12.8	13.7	10.6	7.7	12.3	8.8	5.7	10.4	8.2	4.4
242.8	12.1	13.4	13.9	13.2	13.7	11.2	13.0	9.9	6.4	11.7	8.2	4.4	9.5	7.1	3.3
255.9			13.0		12.1	9.7		8.4	5.3	11.0	7.1	3.3	8.8	6.2	
269.0						8.4		7.3	4.2		5.7			5.1	
282.2											4.6			4.0	

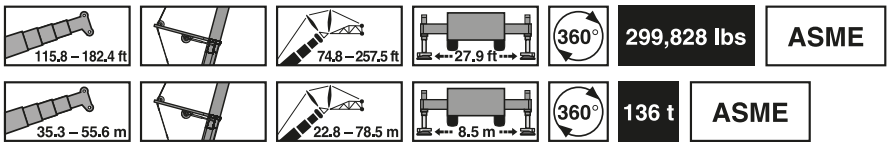
Working range · Rayon de travail · Zona de trabajo

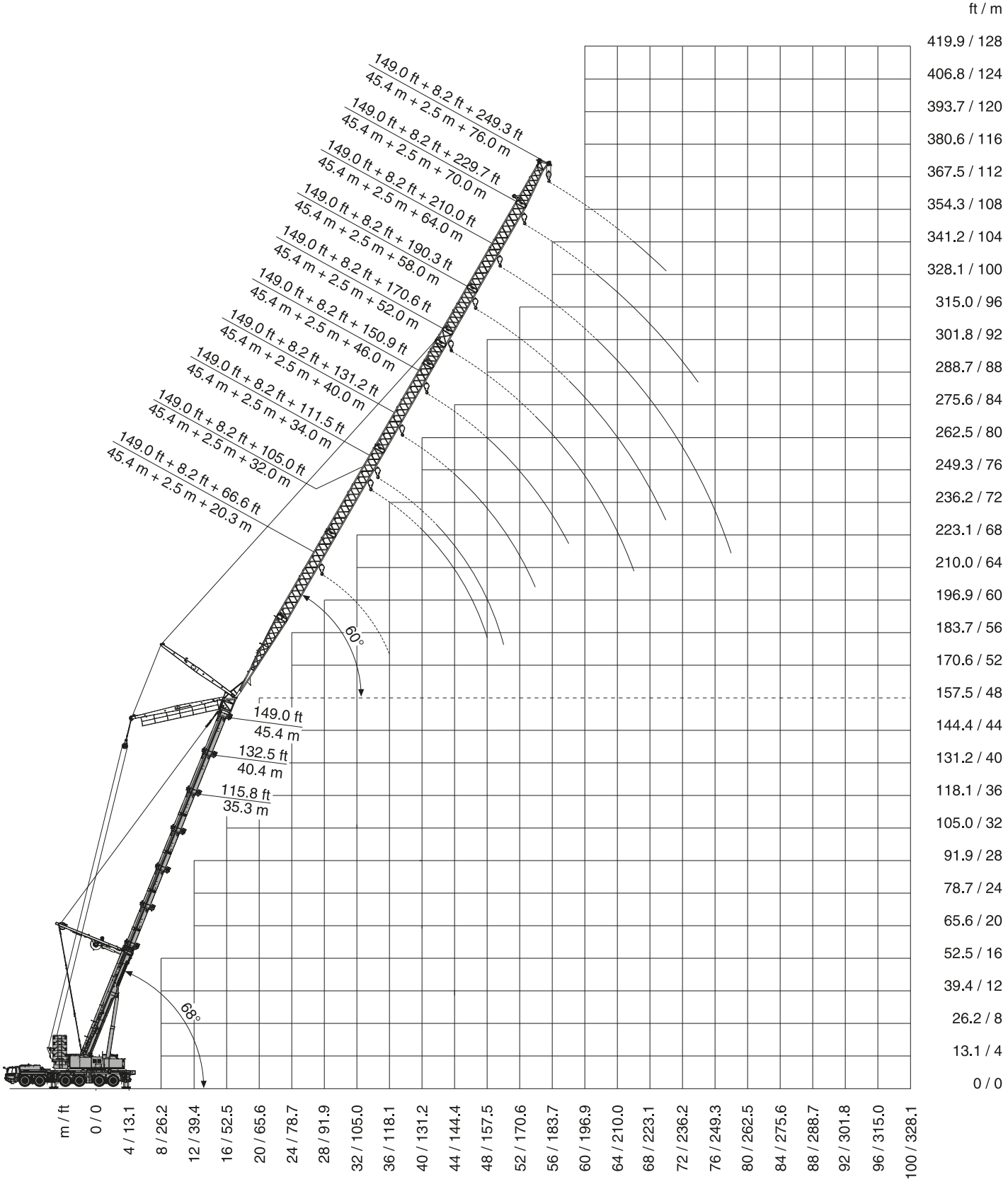




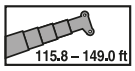

115.8 – 182.4 ft
74.8 – 257.5 ft
27.9 ft
360°
299,828 lbs
ASME
35.3 – 55.6 m
22.8 – 78.5 m
8.5 m
360°
136 t
ASME

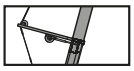

149.0 ft + 8.2 ft + 249.3 ft
45.4 m + 2.5 m + 76.0 m
149.0 ft + 8.2 ft + 229.7 ft
45.4 m + 2.5 m + 70.0 m
149.0 ft + 8.2 ft + 210.0 ft
45.4 m + 2.5 m + 64.0 m
149.0 ft + 8.2 ft + 190.3 ft
45.4 m + 2.5 m + 58.0 m
149.0 ft + 8.2 ft + 170.6 ft
45.4 m + 2.5 m + 52.0 m
149.0 ft + 8.2 ft + 150.9 ft
45.4 m + 2.5 m + 46.0 m
149.0 ft + 8.2 ft + 131.2 ft
45.4 m + 2.5 m + 40.0 m
149.0 ft + 8.2 ft + 111.5 ft
45.4 m + 2.5 m + 34.0 m
149.0 ft + 8.2 ft + 105.0 ft
45.4 m + 2.5 m + 32.0 m
149.0 ft + 8.2 ft + 66.6 ft
45.4 m + 2.5 m + 20.3 m
67°
149.0 ft
45.4 m
132.5 ft
40.4 m
115.8 ft
35.3 m
75°
ft / m
419.9 / 128
406.8 / 124
393.7 / 120
380.6 / 116
367.5 / 112
354.3 / 108
341.2 / 104
328.1 / 100
315.0 / 96
301.8 / 92
288.7 / 88
275.6 / 84
262.5 / 80
249.3 / 76
236.2 / 72
223.1 / 68
210.0 / 64
196.9 / 60
183.7 / 56
170.6 / 52
157.5 / 48
144.4 / 44
131.2 / 40
118.1 / 36
105.0 / 32
91.9 / 28
78.7 / 24
65.6 / 20
52.5 / 16
39.4 / 12
26.2 / 8
13.1 / 4
0 / 0
m / ft
0 / 0
4 / 13.1
8 / 26.2
12 / 39.4
16 / 52.5
20 / 65.6
24 / 78.7
28 / 91.9
32 / 105.0
36 / 118.1
40 / 131.2
44 / 144.4
48 / 157.5
52 / 170.6
56 / 183.7
60 / 196.9
64 / 210.0
68 / 223.1
72 / 236.2
76 / 249.3
80 / 262.5
84 / 275.6
88 / 288.7
92 / 301.8
96 / 315.0
100 / 328.1

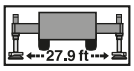

115.8 – 182.4 ft
74.8 – 257.5 ft
27.9 ft
360°
299,828 lbs
ASME
35.3 – 55.6 m
22.8 – 78.5 m
8.5 m
360°
136 t
ASME


ft / m
419.9 / 128
406.8 / 124
393.7 / 120
380.6 / 116
367.5 / 112
354.3 / 108
341.2 / 104
328.1 / 100
315.0 / 96
301.8 / 92
288.7 / 88
275.6 / 84
262.5 / 80
249.3 / 76
236.2 / 72
223.1 / 68
210.0 / 64
196.9 / 60
183.7 / 56
170.6 / 52
157.5 / 48
144.4 / 44
131.2 / 40
118.1 / 36
105.0 / 32
91.9 / 28
78.7 / 24
65.6 / 20
52.5 / 16
39.4 / 12
26.2 / 8
13.1 / 4
0 / 0
149.0 ft + 8.2 ft + 249.3 ft
45.4 m + 2.5 m + 76.0 m
149.0 ft + 8.2 ft + 229.7 ft
45.4 m + 2.5 m + 70.0 m
149.0 ft + 8.2 ft + 210.0 ft
45.4 m + 2.5 m + 64.0 m
149.0 ft + 8.2 ft + 190.3 ft
45.4 m + 2.5 m + 58.0 m
149.0 ft + 8.2 ft + 170.6 ft
45.4 m + 2.5 m + 52.0 m
149.0 ft + 8.2 ft + 150.9 ft
45.4 m + 2.5 m + 46.0 m
149.0 ft + 8.2 ft + 131.2 ft
45.4 m + 2.5 m + 40.0 m
149.0 ft + 8.2 ft + 111.5 ft
45.4 m + 2.5 m + 34.0 m
149.0 ft + 8.2 ft + 105.0 ft
45.4 m + 2.5 m + 32.0 m
149.0 ft + 8.2 ft + 66.6 ft
45.4 m + 2.5 m + 20.3 m
60°
149.0 ft
45.4 m
132.5 ft
40.4 m
115.8 ft
35.3 m
68°
m / ft
0 / 0
4 / 13.1
8 / 26.2
12 / 39.4
16 / 52.5
20 / 65.6
24 / 78.7
28 / 91.9
32 / 105.0
36 / 118.1
40 / 131.2
44 / 144.4
48 / 157.5
52 / 170.6
56 / 183.7
60 / 196.9
64 / 210.0
68 / 223.1
72 / 236.2
76 / 249.3
80 / 262.5
84 / 275.6
88 / 288.7
92 / 301.8
96 / 315.0
100 / 328.1

Lifting capacities · Charges de levage · Cargas



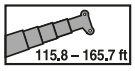


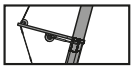
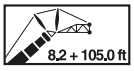


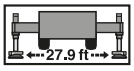
299,828 lbs **ASME**

lbs x 1,000

ft	115.8 ft + 8.2 ft + 66.6 ft			132.5 ft + 8.2 ft + 66.6 ft			149.0 ft + 8.2 ft + 66.6 ft								
	83°	75°	68°	83°	75°	68°	83°	75°	68°						
52.5	87.7														
59.1	78.3			68.6											
65.6	69.9			60.8			58.9								
72.2	61.7			48.5			47.4								
78.7		66.4		41.2			40.8								
85.3		60.0			47.2										
91.9		47.0			41.9										
98.4			50.3		36.4			36.2							
105.0			44.8												
111.5						35.1									
118.1									30.9						



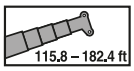



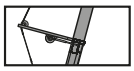


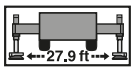
299,828 lbs **ASME**

lbs x 1,000

ft	115.8 ft + 8.2 ft + 105.0 ft			132.5 ft + 8.2 ft + 105.0 ft			149.0 ft + 8.2 ft + 105.0 ft			165.7 ft + 8.2 ft + 105.0 ft					
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°			
59.1	67.9														
65.6	66.8			45.9											
72.2	64.8			44.8			36.4			27.6					
78.7	59.3			43.9			35.5			26.7					
85.3	49.4			41.9			34.8			26.2					
91.9	45.0	50.3		38.6			34.4			25.8					
98.4	41.0	46.1		35.3	39.0		33.7			25.6					
105.0	37.3	42.5		32.0	35.7		30.6	33.3		24.9					
111.5	33.5	39.2	42.3	28.9	33.1		27.6	31.3		24.3	25.4				
118.1		35.9	39.2		30.4		24.5	28.7		24.3	24.7				
124.7		32.8	36.4		27.8	30.2		26.5			24.0				
131.2		29.5	33.7		25.4	28.0		24.3	26.2		23.6				
137.8			31.1		22.7	25.8		21.8	24.3		22.5				
144.4			28.4			23.8			22.5		20.1	23.4			
150.9						21.8			20.7			20.7			
157.5									19.0			19.0			
164.0												17.4			



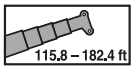


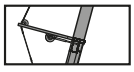


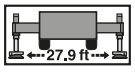
299,828 lbs **ASME**

lbs x 1,000

ft	115.8 ft + 8.2 ft + 111.5 ft			132.5 ft + 8.2 ft + 111.5 ft			149.0 ft + 8.2 ft + 111.5 ft			165.7 ft + 8.2 ft + 111.5 ft			182.4 ft + 8.2 ft + 111.5 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
59.1	61.3														
65.6	53.8			43.7											
72.2	50.3			42.5			34.4								
78.7	46.7			41.7			33.5			25.4			17.4		
85.3	42.8			40.6			33.1			25.1			17.0		
91.9	39.0	46.7		38.8			32.4			25.1			17.0		
98.4	35.5	43.0		35.5	38.6		31.7			24.5			17.0		
105.0	32.2	39.7		32.2	35.9		30.4	31.7		24.3			17.0		
111.5	28.4	36.6		29.3	33.1		28.0	31.1		23.6	24.5		17.0		
118.1		33.7	38.6	26.5	30.4		25.1	29.1		23.4	23.8		16.5	15.9	
124.7		30.9	35.7		28.0	30.0	22.3	26.5		22.9	23.1		15.9	15.9	
131.2		28.2	33.1		25.8	27.8		24.3			23.1			15.4	
137.8		25.1	30.6		23.4	25.8		22.3	24.3		22.3			15.4	
144.4			28.4			23.8		20.1	22.3		20.5	22.7		15.4	
150.9			26.0			22.0			20.7		18.3	20.5		14.6	15.2
157.5						20.1			19.0			19.0		14.1	14.8
164.0									17.2			17.4			14.1
177.2															14.1



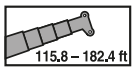


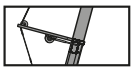


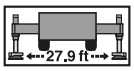
299,828 lbs **ASME**

lbs x 1,000

ft	115.8 ft + 8.2 ft + 131.2 ft			132.5 ft + 8.2 ft + 131.2 ft			149.0 ft + 8.2 ft + 131.2 ft			165.7 ft + 8.2 ft + 131.2 ft			182.4 ft + 8.2 ft + 131.2 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
65.6	45.9														
72.2	45.0			37.9											
78.7	44.1			37.0			29.5								
85.3	43.2			36.4			29.1			22.7			18.1		
91.9	41.2			35.7			28.9			22.7			17.6		
98.4	39.0	42.1		35.1			28.7			22.5			17.2		
105.0	36.8	41.4		34.4			28.2			22.0			17.0		
111.5	34.6	39.9		33.1	34.0		28.0			21.6			16.5		
118.1	32.6	37.5		31.1	33.1		27.3	27.8		21.4			16.1		
124.7	30.9	34.8		28.7	31.3		24.9	26.7		21.2	21.4		15.9	16.1	
131.2	28.4	32.4	34.6	26.2	29.1		22.7	25.1		20.7	20.9		15.4	15.7	
137.8	25.4	30.0	32.4	23.8	27.1	28.7	20.5	23.1		20.3	20.7		15.2	15.2	
144.4		27.8	30.2		25.4	26.9		21.4	22.5	18.7	20.3		14.8	15.0	
150.9		25.4	28.2		23.4	25.1		19.8	20.9		19.4			14.6	
157.5		22.9	26.2		21.6	23.6		18.3	19.6		18.3	19.4		14.3	
164.0			24.3			22.0		16.5	18.3		16.8	17.9		13.9	13.9
177.2									15.7			15.4		13.2	13.2
190.3												13.0			12.8



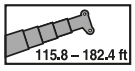


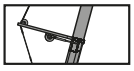


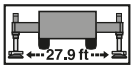
299,828 lbs **ASME**

lbs x 1,000

ft	115.8 ft + 8.2 ft + 150.9 ft			132.5 ft + 8.2 ft + 150.9 ft			149.0 ft + 8.2 ft + 150.9 ft			165.7 ft + 8.2 ft + 150.9 ft			182.4 ft + 8.2 ft + 150.9 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
72.2	37.7														
78.7	37.0			30.9											
85.3	36.4			30.4			26.5			20.3					
91.9	35.7			30.2			26.0			19.8			14.6		
98.4	35.3			29.8			25.6			19.6			14.3		
105.0	34.6			29.3			25.4			19.2			13.9		
111.5	34.0	34.0		29.1			25.1			19.0			13.7		
118.1	32.6	33.5		28.7	28.9		24.7			18.7			13.4		
124.7	30.2	31.7		26.9	28.4		24.3	24.7		18.3			13.2		
131.2	28.0	29.8		24.9	26.5		23.4	24.0		18.1	18.1		13.0		
137.8	26.0	27.8	28.7	23.1	24.7		21.4	22.5		17.9	17.9		12.8	12.6	
144.4	24.0	26.0	26.9	21.2	22.9		19.6	20.9		17.4	17.4		12.6	12.3	
150.9	21.8	24.3	25.4	19.4	21.4	22.0	18.1	19.6		17.2	17.2		12.3	12.1	
157.5		22.5	23.6	17.6	19.8	20.7	16.5	18.3	18.7	16.5	17.0		12.1	11.9	
164.0		20.9	22.3		18.5	19.4		17.0	17.4	15.0	16.5	16.5	11.7	11.7	
177.2			19.4		15.7	17.0		14.6	15.2		14.3	14.8		11.0	11.0
190.3						14.6			13.2		11.9	12.8		10.6	10.6
203.4												11.0			10.1
216.5															9.3



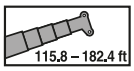


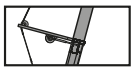


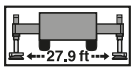
299,828 lbs **ASME**

lbs x 1,000

ft	115.8 ft + 8.2 ft + 150.9 ft			132.5 ft + 8.2 ft + 150.9 ft			149.0 ft + 8.2 ft + 150.9 ft			165.7 ft + 8.2 ft + 150.9 ft			182.4 ft + 8.2 ft + 150.9 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
72.2	39.0														
78.7	37.7														
85.3	36.2			31.3			27.8			20.5					
91.9	34.2			30.6			27.6			20.1			15.0		
98.4	32.0			30.2			27.1			19.8			14.8		
105.0	30.2			29.1			26.7			19.4			14.3		
111.5	28.2	32.8		27.8			26.2			19.2			14.1		
118.1	26.5	31.1		26.5	29.3		25.4			19.0			13.9		
124.7	24.9	29.1		24.9	28.7		24.5	26.2		18.5			13.7		
131.2	23.6	27.3		23.6	27.1		23.4	25.8		18.3	18.5		13.4		
137.8	22.3	25.8	29.3	22.3	25.6		22.5	25.1		18.1	18.1		13.2	13.0	
144.4	20.9	24.3	27.6	21.2	23.8		21.4	23.8		17.9	17.9		13.0	12.8	
150.9	19.8	22.9	26.0	20.1	22.3	23.1	20.1	22.3		17.4	17.6		12.6	12.6	
157.5	18.7	21.6	24.5	18.3	20.7	21.6	18.5	20.7	21.6	17.0	17.2		12.3	12.3	
164.0		20.5	23.1		19.2	20.3		19.4	20.3	15.4	17.0	17.0	12.1	12.1	
177.2			20.5		16.3	17.9		16.8	18.1		15.0	15.7		11.7	11.5
190.3						15.4			15.9		12.3	13.7		11.0	11.0
203.4												11.7			10.6
216.5															9.7



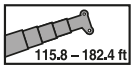


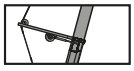


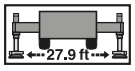
299,828 lbs **ASME**

lbs x 1,000

ft	115.8 ft + 8.2 ft + 170.6 ft			132.5 ft + 8.2 ft + 170.6 ft			149.0 ft + 8.2 ft + 170.6 ft			165.7 ft + 8.2 ft + 170.6 ft			182.4 ft + 8.2 ft + 170.6 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
78.7	34.2														
85.3	33.7														
91.9	33.3			28.4			23.1			17.2					
98.4	32.8			28.0			22.7			17.0			11.9		
105.0	32.6			27.8			22.5			16.5			11.9		
111.5	32.2			27.3			22.3			16.3			11.7		
118.1	32.0	32.0		27.1			22.0			16.1			11.5		
124.7	31.7	31.7		26.5			21.8			15.9			11.2		
131.2	31.1	31.3		25.8	26.0		21.4	21.6		15.7			11.0		
137.8	29.1	30.0		24.0	24.9		21.2	21.4		15.4	15.4		10.8		
144.4	27.1	28.9		22.3	23.4		20.7	20.7		15.4	15.2		10.8	10.6	
150.9	25.4	27.1	24.5	20.7	21.8		19.2	19.8		15.2	15.0		10.6	10.4	
157.5	23.4	25.6	23.4	19.2	20.5		17.9	18.5		15.0	14.8		10.4	10.1	
164.0	21.6	23.8	22.5	17.9	19.2	18.7	16.3	17.4		14.8	14.6		10.4	9.9	
177.2		20.9	20.7	14.8	16.8	17.2	13.7	15.0	15.4	13.9	14.1	14.1	9.9	9.7	
190.3		17.9	19.4		14.3	15.2		13.0	13.4		12.8	13.0		9.3	9.0
203.4			17.0			13.2		11.0	11.7		10.8	11.2		8.8	8.6
216.5									10.1			9.7			8.4
229.7															7.9







299,828 lbs **ASME**

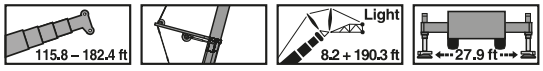
lbs x 1,000

ft	115.8 ft + 8.2 ft + 170.6 ft			132.5 ft + 8.2 ft + 170.6 ft			149.0 ft + 8.2 ft + 170.6 ft			165.7 ft + 8.2 ft + 170.6 ft			182.4 ft + 8.2 ft + 170.6 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
85.3	30.9														
91.9	29.3			26.5			22.5			17.2					
98.4	28.0			25.6			22.3			16.8			12.3		
105.0	26.5			24.5			21.6			16.5			12.1		
111.5	25.1			23.1			21.2			16.3			11.9		
118.1	23.6			22.0			20.3			16.1			11.7		
124.7	22.3	25.8		20.9			19.6			15.9			11.5		
131.2	20.9	24.3		19.8	22.9		18.7	20.7		15.7			11.2		
137.8	19.8	22.9		18.7	21.8		18.1	20.3		15.7	15.4		11.2		
144.4	18.7	21.6		17.6	20.7		17.2	19.4		15.2	15.4		11.0	10.8	
150.9	17.6	20.5	23.1	16.8	19.6		16.3	18.7		14.8	15.2		10.8	10.6	
157.5	16.8	19.2	21.8	15.9	18.5		15.7	18.1		14.3	15.0		10.8	10.6	
164.0	15.9	18.3	20.5	15.0	17.6	19.6	15.0	17.2		13.9	14.8		10.6	10.4	
177.2		16.3	18.3	13.4	15.9	17.9	13.4	15.7	16.1	12.8	14.3	14.3	10.1	9.9	
190.3		14.8	16.5		14.1	15.9		13.7	14.1		13.2	13.7		9.7	9.5
203.4			14.8			13.9		11.5	12.3		11.5	12.1		9.3	9.0
216.5									10.8			10.4		8.8	8.8
229.7															8.4

299,828 lbs **ASME**

lbs x 1,000

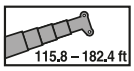
ft	115.8 ft + 8.2 ft + 190.3 ft			132.5 ft + 8.2 ft + 190.3 ft			149.0 ft + 8.2 ft + 190.3 ft			165.7 ft + 8.2 ft + 190.3 ft			182.4 ft + 8.2 ft + 190.3 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
85.3	31.1														
91.9	30.6			24.7											
98.4	30.4			24.5			19.2								
105.0	30.0			24.3			19.0			13.4			9.0		
111.5	29.5			23.8			18.7			13.2			8.8		
118.1	29.3			23.6			18.3			13.2			8.6		
124.7	29.1	29.1		23.4			18.3			13.0			8.4		
131.2	28.2	28.2		23.1			18.1			12.8			8.4		
137.8	26.7	27.1		22.5	22.7		17.9			12.6			8.2		
144.4	25.1	25.8		22.0	22.3		17.6	17.6		12.6			8.2		
150.9	23.6	24.3		20.5	20.9		17.4	17.4		12.3	12.1		7.9		
157.5	22.0	22.7	21.8	19.2	19.6		17.2	17.0		12.1	12.1		7.9	7.7	
164.0	20.5	21.4	20.7	17.9	18.3		16.3	16.8		12.1	11.9		7.9	7.5	
177.2	17.6	18.7	19.0	15.4	16.1	16.1	13.9	14.3		11.9	11.5		7.5	7.3	
190.3	15.0	16.5	17.0	13.0	14.1	14.3	11.9	12.6	12.3	11.5	11.2	10.6	7.5	7.1	
203.4		14.1	15.0		12.1	12.6		10.8	10.8		10.6	9.5	7.3	6.8	6.6
216.5			13.0		10.1	11.0		9.0	9.5		8.8	7.9		6.6	6.4
229.7						9.3			8.2			6.6		6.4	5.1
242.8												5.3			4.0

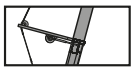


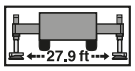
299,828 lbs **ASME**

lbs x 1,000

ft	115.8 ft + 8.2 ft + 190.3 ft			132.5 ft + 8.2 ft + 190.3 ft			149.0 ft + 8.2 ft + 190.3 ft			165.7 ft + 8.2 ft + 190.3 ft			182.4 ft + 8.2 ft + 190.3 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
85.3	31.1														
91.9	30.6			24.9											
98.4	30.4			24.7			19.4								
105.0	30.0			24.5			19.2			14.1			9.7		
111.5	29.5			24.3			19.0			13.9			9.5		
118.1	28.9			23.8			18.7			13.7			9.3		
124.7	28.0	29.3		23.6			18.7			13.4			9.0		
131.2	26.9	28.7		23.4			18.5			13.4			9.0		
137.8	26.0	27.8		23.1	23.1		18.3			13.2			8.8		
144.4	25.1	26.7		22.7	22.9		18.1	18.1		13.0			8.8		
150.9	24.0	25.1		21.4	22.0		17.9	17.9		12.8	12.8		8.6		
157.5	22.7	23.6		19.8	20.5		17.9	17.6		12.8	12.6		8.6	8.2	
164.0	21.2	22.3	21.8	18.5	19.2		17.0	17.4		12.6	12.6		8.4	8.2	
177.2	18.5	19.6	20.1	16.1	17.0	17.0	14.8	15.2		12.3	12.1		8.2	7.9	
190.3	15.7	17.2	17.9	13.7	14.8	15.0	12.6	13.2	13.2	12.1	11.9	11.7	8.2	7.7	
203.4		15.0	15.7		12.8	13.2		11.5	11.7		11.2	10.6	7.7	7.5	7.1
216.5			13.9		10.8	11.7		9.9	10.1		9.7	9.5		7.3	7.1
229.7						10.1			8.8			8.2		7.1	6.6
242.8												6.8			5.5



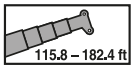


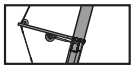


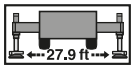
299,828 lbs **ASME**

lbs x 1,000

ft	115.8 ft + 8.2 ft + 210.0 ft			132.5 ft + 8.2 ft + 210.0 ft			149.0 ft + 8.2 ft + 210.0 ft			165.7 ft + 8.2 ft + 210.0 ft			182.4 ft + 8.2 ft + 210.0 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
91.9	27.1														
98.4	26.7			21.2											
105.0	26.5			20.9			16.3			11.2					
111.5	26.2			20.7			16.1			11.0			6.8		
118.1	25.8			20.5			15.9			11.0			6.8		
124.7	25.6			20.3			15.7			10.8			6.6		
131.2	25.4			20.1			15.4			10.6			6.6		
137.8	25.1	25.4		19.8			15.4			10.6			6.4		
144.4	24.9	24.3		19.6	19.6		15.2			10.4			6.4		
150.9	24.7	23.1		19.4	19.6		15.0	15.0		10.4			6.4		
157.5	24.3	22.3		19.2	19.0		15.0	14.8		10.1	9.9		6.2		
164.0	22.7	21.4		18.3	18.1		14.8	14.8		10.1	9.9		6.2	5.7	
177.2	20.1	19.6	16.5	15.9	16.3		14.1	14.3		9.9	9.7		6.0	5.5	
190.3	17.4	18.3	15.2	13.9	14.3	12.1	12.6	12.6		9.7	9.5		5.7	5.5	
203.4	15.0	16.5	13.9	11.7	12.6	11.0	10.6	11.0	8.8	9.7	9.3	7.7	5.7	5.3	
216.5		14.3	12.3		10.8	9.7	8.8	9.5	7.5	8.8	9.0	6.4	5.7	5.1	4.6
229.7		12.3	10.8		9.3	8.4		7.9	6.2		7.7	5.1		5.1	3.5
242.8			9.3			7.1		6.6	5.1		6.4	4.0		5.1	
255.9									4.0						







299,828 lbs **ASME**

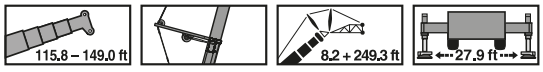
lbs x 1,000

ft	115.8 ft + 8.2 ft + 210.0 ft			132.5 ft + 8.2 ft + 210.0 ft			149.0 ft + 8.2 ft + 210.0 ft			165.7 ft + 8.2 ft + 210.0 ft			182.4 ft + 8.2 ft + 210.0 ft		
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°
91.9	27.1														
98.4	26.7			20.9											
105.0	25.8			20.9			16.3								
111.5	25.1			20.7			16.1			11.2			7.5		
118.1	24.3			20.5			16.1			11.0			7.3		
124.7	23.4			20.3			15.9			11.0			7.3		
131.2	22.5			19.8			15.7			11.0			7.1		
137.8	21.6	23.8		19.4			15.7			11.0			7.1		
144.4	20.7	22.9		19.0	19.8		15.4			10.8			7.1		
150.9	19.8	22.0		18.3	19.4		15.2	15.2		10.6			6.8		
157.5	19.0	21.2		17.9	19.2		15.2	15.0		10.6	10.4		6.8		
164.0	18.3	20.3		17.2	18.5		15.0	15.0		10.4	10.4		6.8	6.4	
177.2	16.8	18.7	17.4	16.1	17.0		14.6	14.8		10.4	10.1		6.4	6.2	
190.3	15.4	17.2	16.1	14.6	15.0	13.4	13.2	13.4		10.1	9.9		6.4	6.0	
203.4	14.1	15.7	14.8	12.3	13.2	12.3	11.2	11.7	10.1	10.1	9.7	8.6	6.4	6.0	
216.5		14.6	13.7	10.4	11.5	11.2	9.3	10.1	9.0	9.5	9.5	7.5	6.2	5.7	5.3
229.7		13.4	11.9		9.9	9.7		8.8	7.7		8.4	6.4		5.7	5.1
242.8			10.6			8.4		7.3	6.4		7.1	5.1		5.5	4.0
255.9									5.3			4.2			

299,828 lbs **ASME**

lbs x 1,000

ft	115.8 ft + 8.2 ft + 229.7 ft			132.5 ft + 8.2 ft + 229.7 ft			149.0 ft + 8.2 ft + 229.7 ft			165.7 ft + 8.2 ft + 229.7 ft					
	83°	75°	68°	83°	75°	68°	83°	75°	68°	83°	75°	68°			
105.0	22.7														
111.5	22.5			17.6			13.4								
118.1	22.3			17.6			13.2			8.6					
124.7	22.0			17.4			13.0			8.4					
131.2	21.8			17.2			12.8			8.4					
137.8	21.6			17.2			12.8			8.4					
144.4	21.4			17.0			12.8			8.4					
150.9	21.4	20.1		16.8			12.6			8.4					
157.5	21.2	19.2		16.8	16.3		12.3			8.2					
164.0	20.9	18.5		16.5	15.7		12.3	12.3		8.2					
177.2	20.1	17.0		15.7	14.3		12.1	12.1		7.9	7.7				
190.3	18.1	15.7	12.8	14.1	13.2		11.9	11.9		7.9	7.5				
203.4	15.7	14.6	11.7	12.1	12.1	9.0	11.0	10.8	7.7	7.7	7.3				
216.5	13.7	13.7	10.8	10.4	10.8	8.2	9.3	9.3	6.6	7.7	7.3	4.6			
229.7	11.5	12.6	9.3	8.8	9.5	6.8	7.7	7.9	5.3	7.5	7.3	3.5			
242.8		11.2	7.9		7.9	5.5		6.8	4.2		6.6				
255.9			6.6		6.6	4.4		5.7			5.3				
269.0						3.3									

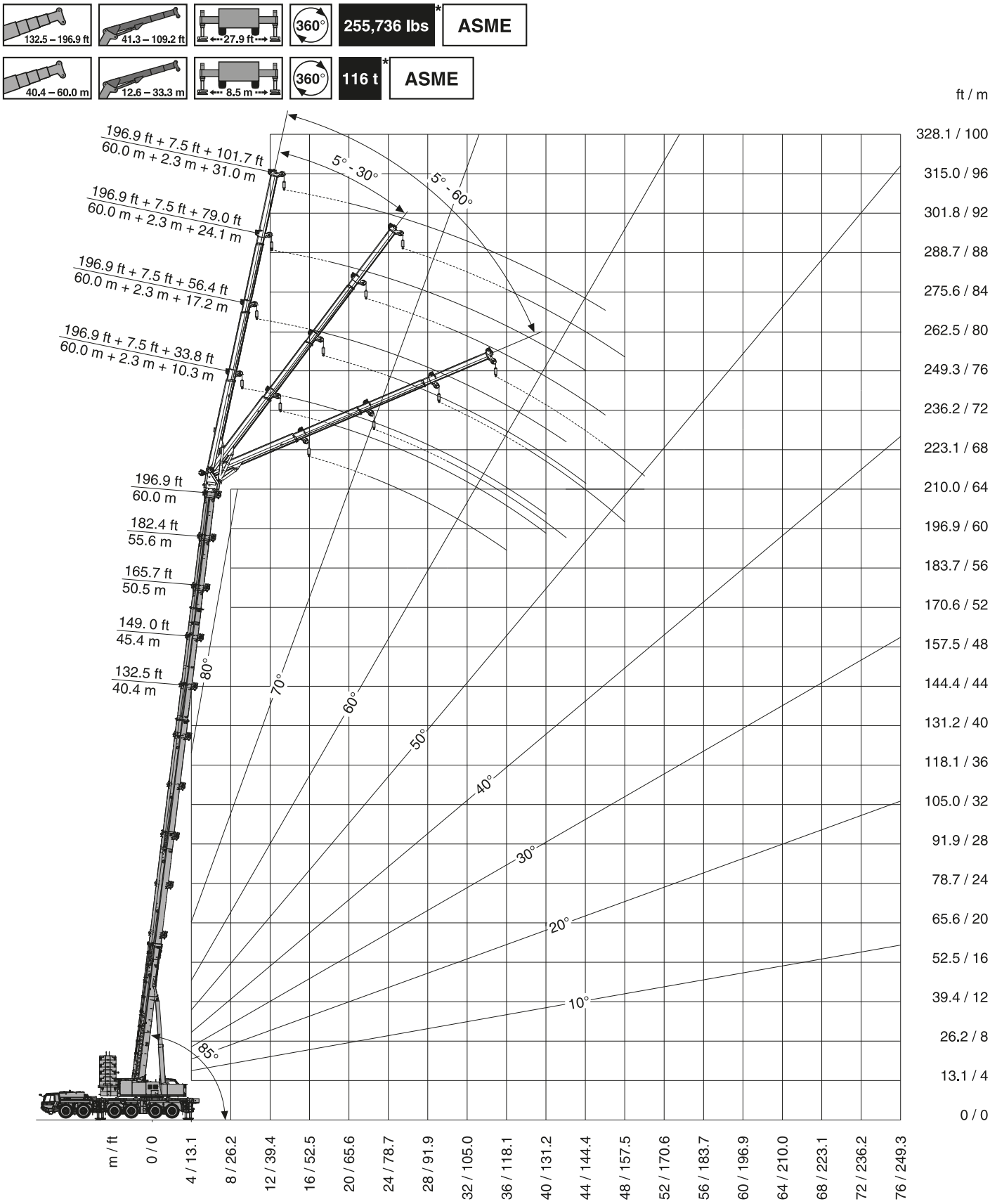


299,828 lbs **ASME**

lbs x 1,000

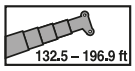
ft	115.8 ft + 8.2 ft + 249.3 ft			132.5 ft + 8.2 ft + 249.3 ft			149.0 ft + 8.2 ft + 249.3 ft								
	83°	75°	68°	83°	75°	68°	83°	75°	68°						
111.5	19.0														
118.1	19.0			14.6			10.6								
124.7	18.7			14.3			10.6								
131.2	18.5			14.3			10.6								
137.8	18.3			14.1			10.4								
144.4	18.3			14.1			10.4								
150.9	18.1			13.9			10.1								
157.5	17.9	15.7		13.9			10.1								
164.0	17.6	15.0		13.9	13.0		10.1								
177.2	17.0	13.9		13.7	11.9		9.9	9.7							
190.3	16.1	12.8		13.2	10.8		9.7	9.7							
203.4	15.2	11.7	8.8	11.9	9.9		9.5	9.0							
216.5	13.7	10.8	8.2	10.4	9.0	6.0	9.0	8.2	4.6						
229.7	11.9	10.1	7.1	8.8	8.4	4.9	7.7	7.5	3.3						
242.8	10.1	9.3	5.7	7.5	7.7	3.7	6.6	6.6							
255.9		8.2	4.4		6.6		5.3	5.5							
269.0		6.8	3.5		5.3			4.4							

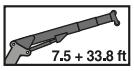
Working range · Rayon de travail · Zona de trabajo

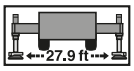


** No increase in lifting capacity with a 299,828 lbs/ 136 t counterweight. · Aucune augmentation de la charge de levage avec contrepoids de 299,828 lbs/ 136 t. · Ningún aumento de la capacidad de carga con contrapeso de 299,828 lbs/ 136 t.*

Lifting capacities · Charges de levage · Cargas



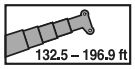


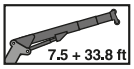


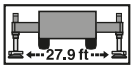
255,736 lbs* **ASME**

lbs x 1,000

ft	132.5 ft + 7.5 ft + 33.8 ft			149.0 ft + 7.5 ft + 33.8 ft			165.7 ft + 7.5 ft + 33.8 ft			182.4 ft + 7.5 ft + 33.8 ft			196.9 ft + 7.5 ft + 33.8 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
29.5	84.7														
32.8	79.4			64.6											
36.1	74.5			60.8			46.7								
39.4	70.3			57.5			44.1			35.5					
45.9	63.1	55.6		51.8	45.2		39.2			34.4			29.1		
52.5	56.9	51.8	46.5	47.0	41.4		35.3	31.3		30.6			28.2		
59.1	51.8	47.6	44.8	43.0	38.4	34.0	32.0	28.9	24.3	27.6	24.7		25.4	23.1	
65.6	47.4	43.9	41.9	39.5	35.5	33.3	29.1	26.7	23.6	24.9	22.9	18.7	22.9	21.4	
72.2	43.7	40.8	39.0	36.4	33.1	31.1	26.7	24.5	23.1	22.7	21.2	18.1	20.7	19.6	18.3
78.7	40.3	37.9	36.4	33.7	30.9	29.1	24.5	22.7	21.4	20.5	19.4	17.6	18.1	17.6	17.0
85.3	37.5	35.3	34.2	31.3	28.9	27.6	22.5	20.9	20.1	17.9	17.2	16.5	15.7	15.4	14.8
91.9	34.8	33.1	32.2	29.3	27.1	26.0	20.5	19.2	18.3	15.4	15.0	14.6	13.4	13.2	13.0
98.4	30.6	30.9		26.7	25.6	24.7	18.3	17.2	16.5	13.4	13.2	12.8	11.5	11.5	11.2
105.0	26.7	28.0		23.8	23.6		16.3	15.4	14.8	11.5	11.5	11.0	9.7	9.7	9.5
111.5	23.1	24.5		21.4	21.2		14.6	13.9		9.9	9.7	9.5	7.9	8.2	7.9
118.1	20.1	21.2		18.3	19.2		12.8	12.3		8.4	8.4	8.2	6.6	6.8	6.6
124.7	17.4	18.3		15.7	16.8		11.2	10.8		6.8	7.1		5.1	5.5	
131.2	14.8	15.7		13.0	14.1		9.9	9.7		5.5	5.7		4.0	4.2	
137.8	12.6	13.2		10.8	11.9		8.8	8.4		4.4	4.6				
144.4	10.6	11.0		8.8	9.7		7.7	7.5		3.3	3.5				
150.9	8.6			7.1	7.7		6.2	6.4							
157.5	6.8			5.3	5.7		4.4	5.3							
164.0				3.7				3.5							





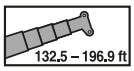


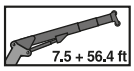
211,644 lbs **ASME**

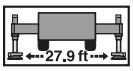
lbs x 1,000

ft	132.5 ft + 7.5 ft + 33.8 ft			149.0 ft + 7.5 ft + 33.8 ft			165.7 ft + 7.5 ft + 33.8 ft			182.4 ft + 7.5 ft + 33.8 ft			196.9 ft + 7.5 ft + 33.8 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
29.5	84.7														
32.8	79.4			64.6											
36.1	74.5			60.8			46.7								
39.4	70.3			57.5			44.1			35.5					
45.9	63.1	55.6		51.8			39.2			34.4			29.1		
52.5	56.9	51.8	46.5	47.0	45.2		35.3	31.3		30.6			28.2		
59.1	51.8	47.6	44.8	43.0	41.4	34.0	32.0	28.9	24.3	27.6	24.7		25.4	23.1	
65.6	47.4	43.9	41.9	39.5	38.4	33.3	29.1	26.7	23.6	24.9	22.9	18.7	22.9	21.4	
72.2	43.7	40.8	39.0	36.4	35.5	31.1	26.7	24.5	23.1	22.7	21.2	18.1	20.7	19.6	18.3
78.7	40.3	37.9	36.4	33.7	33.1	29.1	24.5	22.7	21.4	20.5	19.4	17.6	18.1	17.6	17.0
85.3	37.5	35.3	34.2	31.3	30.9	27.6	22.5	20.9	20.1	17.9	17.2	16.5	15.7	15.4	14.8
91.9	34.8	33.1	32.2	29.3	28.9	26.0	20.5	19.2	18.3	15.4	15.0	14.6	13.4	13.2	13.0
98.4	30.6	30.9		26.7	27.1	24.7	18.3	17.2	16.5	13.4	13.2	12.8	11.5	11.5	11.2
105.0	26.7	28.0		23.8	25.6		16.3	15.4	14.8	11.5	11.5	11.0	9.7	9.7	9.5
111.5	23.1	24.5		21.4	23.6		14.6	13.9		9.9	9.7	9.5	7.9	8.2	7.9
118.1	20.1	21.2		18.3	21.2		12.8	12.3		8.4	8.4	8.2	6.6	6.8	6.6
124.7	17.4	18.3		15.7	19.2		11.2	10.8		6.8	7.1		5.1	5.5	
131.2	14.8	15.7		13.0	16.8		9.9	9.7		5.5	5.7		4.0	4.2	
137.8	12.6	13.2		10.8	14.1		8.8	8.4		4.4	4.6				
144.4	10.6	11.0		8.8	11.9		7.7	7.5		3.3	3.5				
150.9	8.6			7.1	9.7		6.2	6.4							
157.5	6.8			5.3	7.7		4.4	5.3							
164.0				3.7	5.7			3.5							

** No increase in lifting capacity with a 299,828 lbs/ 136 t counterweight. · Aucune augmentation de la charge de levage avec contrepoids de 299,828 lbs/ 136 t. · Ningún aumento de la capacidad de carga con contrapeso de 299,828 lbs/ 136 t.*



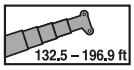


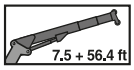


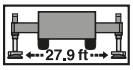
255,736 lbs* **ASME**

lbs x 1,000

ft	132.5 ft + 7.5 ft + 56.4 ft			149.0 ft + 7.5 ft + 56.4 ft			165.7 ft + 7.5 ft + 56.4 ft			182.4 ft + 7.5 ft + 56.4 ft			196.9 ft + 7.5 ft + 56.4 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
32.8	36.8														
36.1	36.8														
39.4	36.8			36.8											
45.9	36.8			36.8			36.4								
52.5	36.8			36.8			33.1			28.0			19.4		
59.1	36.8	36.8		36.8			30.0			25.6			19.4		
65.6	36.8	35.1		36.2	31.5		27.3			23.6			19.4		
72.2	36.8	33.5		33.5	29.3		25.1	21.6		21.6	18.3		19.4		
78.7	36.8	32.0	28.4	31.1	27.6		23.1	20.3		19.6	17.2		18.7	16.5	
85.3	35.1	30.6	27.6	28.9	25.8	22.3	21.4	19.2	17.0	17.6	16.1		16.5	15.4	
91.9	32.6	29.3	26.7	26.9	24.3	21.8	19.6	18.1	16.3	15.4	15.0	13.7	14.3	14.3	
98.4	30.6	28.2	26.0	25.1	22.7	21.4	18.1	16.8	15.7	13.4	13.4	13.0	12.3	12.6	12.6
105.0	28.7	26.9	25.6	23.6	21.4	20.3	16.1	15.2	14.6	11.7	11.7	11.7	10.8	11.0	11.0
111.5	26.2	25.4	24.7	22.0	20.3	19.2	14.3	13.7	13.2	10.1	10.4	10.1	9.0	9.5	9.5
118.1	23.1	24.0	23.4	20.1	19.2	18.3	13.0	12.3	11.9	8.6	9.0	8.8	7.7	8.2	8.2
124.7	20.5	22.3		18.1	17.6	17.0	11.5	11.0	10.8	7.3	7.7	7.7	6.4	7.1	7.1
131.2	18.1	19.8		16.3	16.3		10.1	9.9	9.7	6.2	6.6	6.6	5.1	5.7	6.0
137.8	15.7	17.4		14.1	15.0		9.0	8.8		5.1	5.5	5.5	4.0	4.6	4.9
144.4	13.7	15.2		12.1	13.4		7.9	7.9		4.0	4.4			3.7	
150.9	11.7	13.0		10.1	11.9		7.1	6.8			3.5				
157.5	10.1	11.0		8.4	9.9		6.0	6.0							
164.0	8.4	9.3		6.8	8.2		5.3	5.3							
177.2	5.5			4.2	4.9		3.3	3.7							





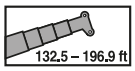


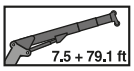
211,644 lbs **ASME**

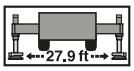
lbs x 1,000

ft	132.5 ft + 7.5 ft + 56.4 ft			149.0 ft + 7.5 ft + 56.4 ft			165.7 ft + 7.5 ft + 56.4 ft			182.4 ft + 7.5 ft + 56.4 ft			196.9 ft + 7.5 ft + 56.4 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
32.8	36.8														
36.1	36.8														
39.4	36.8			36.8											
45.9	36.8			36.8			36.4								
52.5	36.8			36.8			33.1			28.0			19.4		
59.1	36.8	36.8		36.8			30.0			25.6			19.4		
65.6	36.8	35.1		36.2	31.5		27.3			23.6			19.4		
72.2	36.8	33.5		33.5	29.3		25.1	21.6		21.6	18.3		19.4		
78.7	36.8	32.0	28.4	31.1	27.6		23.1	20.3		19.6	17.2		18.7	16.5	
85.3	35.1	30.6	27.6	28.9	25.8	22.3	21.4	19.2	17.0	17.6	16.1		16.5	15.4	
91.9	32.6	29.3	26.7	26.9	24.3	21.8	19.6	18.1	16.3	15.4	15.0	13.7	14.3	14.3	
98.4	30.6	28.2	26.0	25.1	22.7	21.4	18.1	16.8	15.7	13.4	13.4	13.0	12.3	12.6	12.6
105.0	28.7	26.9	25.6	23.6	21.4	20.3	16.1	15.2	14.6	11.7	11.7	11.7	10.8	11.0	11.0
111.5	26.2	25.4	24.7	22.0	20.3	19.2	14.3	13.7	13.2	10.1	10.4	10.1	9.0	9.5	9.5
118.1	23.1	24.0	23.4	20.1	19.2	18.3	13.0	12.3	11.9	8.6	9.0	8.8	7.7	8.2	8.2
124.7	20.5	22.3		18.1	17.6	17.0	11.5	11.0	10.8	7.3	7.7	7.7	6.4	7.1	7.1
131.2	18.1	19.8		16.3	16.3		10.1	9.9	9.7	6.2	6.6	6.6	5.1	5.7	6.0
137.8	15.7	17.4		14.1	15.0		9.0	8.8		5.1	5.5	5.5	4.0	4.6	4.9
144.4	13.7	15.2		12.1	13.4		7.9	7.9		4.0	4.4			3.7	
150.9	11.7	13.0		10.1	11.9		7.1	6.8			3.5				
157.5	10.1	11.0		8.4	9.9		6.0	6.0							
164.0	8.4	9.3		6.8	8.2		5.3	5.3							
177.2	5.5			4.2	4.9		3.3	3.7							

** No increase in lifting capacity with a 299,828 lbs/ 136 t counterweight. · Aucune augmentation de la charge de levage avec contrepoids de 299,828 lbs/ 136 t. · Ningún aumento de la capacidad de carga con contrapeso de 299,828 lbs/ 136 t.*



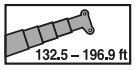


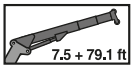


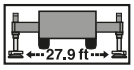
255,736 lbs* **ASME**

lbs x 1,000

ft	132.5 ft + 7.5 ft + 79.1 ft			149.0 ft + 7.5 ft + 79.1 ft			165.7 ft + 7.5 ft + 79.1 ft			182.4 ft + 7.5 ft + 79.1 ft			196.9 ft + 7.5 ft + 79.1 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
45.9	35.3			32.0											
52.5	34.2			32.0			28.7								
59.1	33.1			31.1			27.3			22.7			17.2		
65.6	32.0			30.2			25.4			22.3			17.2		
72.2	30.6			29.5			23.6			20.5			17.2		
78.7	29.5	23.8		28.7			21.8			19.0			17.2		
85.3	28.4	23.1		26.7	22.3		20.1	16.5		17.6			16.5		
91.9	27.6	22.3		24.9	21.6		18.5	15.7		16.1	13.9		14.6		
98.4	26.7	21.6	18.7	23.4	20.7		17.2	15.0		14.3	13.0		12.8	11.7	
105.0	25.8	20.9	18.5	21.8	19.6	16.1	15.7	14.1		12.6	12.3		11.0	10.8	
111.5	24.9	20.5	18.3	20.5	18.5	15.9	14.1	13.4	11.9	11.0	11.2		9.7	9.9	
118.1	24.0	19.8	18.1	19.4	17.4	15.7	12.6	12.1	11.5	9.7	10.1	9.5	8.2	9.0	
124.7	22.5	19.4	17.9	18.1	16.5	15.4	11.2	11.0	10.6	8.4	8.8	8.8	7.1	7.7	7.7
131.2	20.1	18.7	17.6	16.5	15.2	14.3	10.1	9.9	9.7	7.1	7.7	7.9	5.7	6.6	7.1
137.8	17.9	18.1		15.2	14.1	13.4	9.0	8.8	8.6	6.0	6.6	6.8	4.6	5.7	6.0
144.4	15.9	17.6		13.7	13.0		7.9	7.9	7.7	5.1	5.7	6.0	3.7	4.6	5.1
150.9	13.9	16.1		12.3	12.1		7.1	7.1		4.2	4.9	5.1		3.7	4.2
157.5	12.3	14.3		10.8	11.2		6.2	6.2		3.3	4.0				3.3
164.0	10.8	12.6		9.3	10.4		5.3	5.5							
177.2	7.9	9.3		6.4	8.2		3.7	4.0							
190.3	5.5	6.4		4.0	5.3										
203.4	3.3														





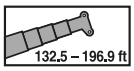


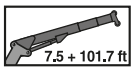
211,644 lbs **ASME**

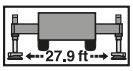
lbs x 1,000

ft	132.5 ft + 7.5 ft + 79.1 ft			149.0 ft + 7.5 ft + 79.1 ft			165.7 ft + 7.5 ft + 79.1 ft			182.4 ft + 7.5 ft + 79.1 ft			196.9 ft + 7.5 ft + 79.1 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
45.9	35.3			32.0											
52.5	34.2			32.0			28.7								
59.1	33.1			31.1			27.3			22.7			17.2		
65.6	32.0			30.2			25.4			22.3			17.2		
72.2	30.6			29.5			23.6			20.5			17.2		
78.7	29.5	23.8		28.7			21.8			19.0			17.2		
85.3	28.4	23.1		26.7	22.3		20.1	16.5		17.6			16.5		
91.9	27.6	22.3		24.9	21.6		18.5	15.7		16.1	13.9		14.6		
98.4	26.7	21.6	18.7	23.4	20.7		17.2	15.0		14.3	13.0		12.8	11.7	
105.0	25.8	20.9	18.5	21.8	19.6	16.1	15.7	14.1		12.6	12.3		11.0	10.8	
111.5	24.9	20.5	18.3	20.5	18.5	15.9	14.1	13.4	11.9	11.0	11.2		9.7	9.9	
118.1	24.0	19.8	18.1	19.4	17.4	15.7	12.6	12.1	11.5	9.7	10.1	9.5	8.2	9.0	
124.7	22.5	19.4	17.9	18.1	16.5	15.4	11.2	11.0	10.6	8.4	8.8	8.8	7.1	7.7	7.7
131.2	20.1	18.7	17.6	16.5	15.2	14.3	10.1	9.9	9.7	7.1	7.7	7.9	5.7	6.6	7.1
137.8	17.9	18.1		15.2	14.1	13.4	9.0	8.8	8.6	6.0	6.6	6.8	4.6	5.7	6.0
144.4	15.9	17.6		13.7	13.0		7.9	7.9	7.7	5.1	5.7	6.0	3.7	4.6	5.1
150.9	13.9	16.1		12.3	12.1		7.1	7.1		4.2	4.9	5.1		3.7	4.2
157.5	12.3	14.3		10.8	11.2		6.2	6.2		3.3	4.0				3.3
164.0	10.8	12.6		9.3	10.4		5.3	5.5							
177.2	7.9	9.3		6.4	8.2		3.7	4.0							
190.3	5.5	6.4		4.0	5.3										
203.4	3.3														

** No increase in lifting capacity with a 299,828 lbs/ 136 t counterweight. · Aucune augmentation de la charge de levage avec contrepoids de 299,828 lbs/ 136 t. · Ningún aumento de la capacidad de carga con contrapeso de 299,828 lbs/ 136 t.*



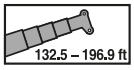


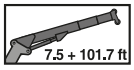


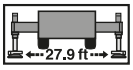
255,736 lbs* **ASME**

lbs x 1,000

ft	132.5 ft + 7.5 ft + 101.7 ft			149.0 ft + 7.5 ft + 101.7 ft			165.7 ft + 7.5 ft + 101.7 ft			182.4 ft + 7.5 ft + 101.7 ft			196.9 ft + 7.5 ft + 101.7 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
52.5	24.0			22.5											
59.1	23.8			22.0			20.5								
65.6	23.1			21.6			20.5			15.2			13.7		
72.2	22.7			21.2			20.3			15.2			13.7		
78.7	22.0			20.7			19.8			15.2			13.7		
85.3	21.4			20.3			19.2			15.2			13.7		
91.9	20.3			19.6			18.1			15.2			13.7		
98.4	19.4	14.8		19.0	14.3		17.0			14.3			12.8		
105.0	18.7	14.1		18.1	13.9		15.9	13.0		12.8			11.2		
111.5	17.9	13.7		17.4	13.4		14.6	12.3		11.2	10.8		9.7		
118.1	17.2	13.4		16.8	13.0		13.0	11.7		9.9	9.9		8.4	7.9	
124.7	16.5	13.0		16.3	12.6		11.7	11.2		8.6	9.0		7.3	7.3	
131.2	15.9	12.6	11.0	15.7	12.3	10.8	10.6	10.4		7.5	8.2		6.2	6.6	
137.8	15.4	12.1	11.0	15.2	11.9	10.8	9.5	9.5	8.8	6.6	7.3		5.1	6.0	
144.4	14.8	11.9	10.8	13.9	11.7	10.6	8.6	8.6	8.2	5.5	6.4	6.2	4.2	5.5	
150.9	14.3	11.7	10.6	12.8	11.5	10.4	7.5	7.7	7.7	4.6	5.5	5.7	3.3	4.6	4.9
157.5	13.9	11.2		11.9	11.0	10.4	6.6	6.8	6.8	3.7	4.6	5.1		3.7	4.4
164.0	13.0	11.0		11.0	10.4		6.0	6.2	6.2		4.0	4.4			3.5
177.2	10.1	10.6		8.6	8.8		4.4	4.9							
190.3	7.7	9.5		6.2	7.3			3.5							
203.4	5.5	6.8													
216.5	3.7														







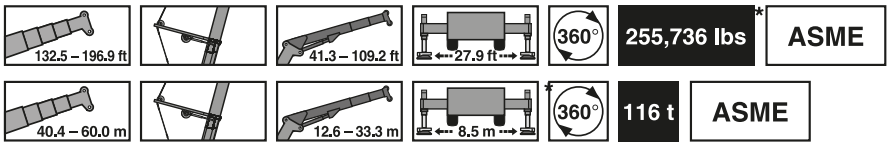
211,644 lbs **ASME**

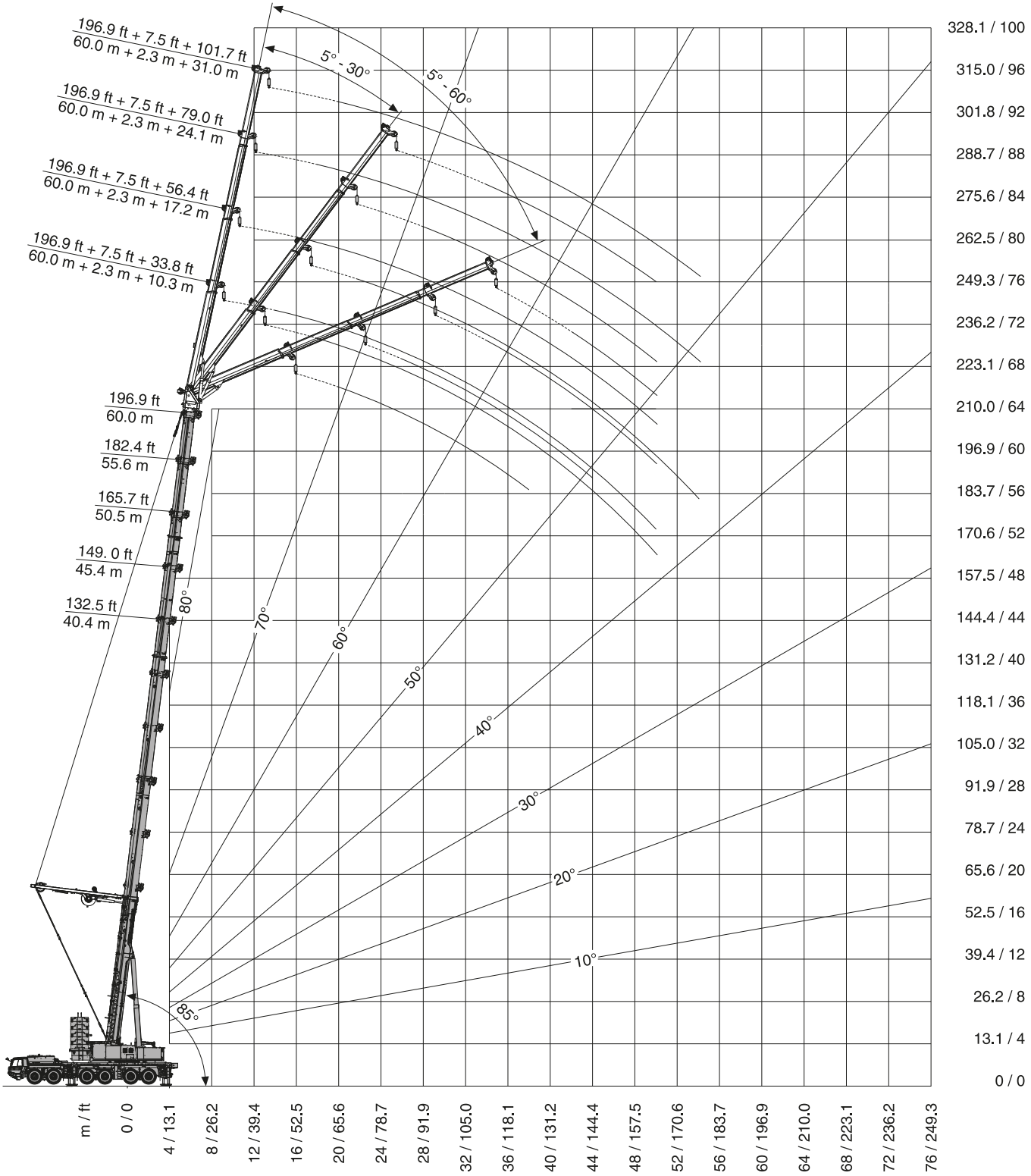
lbs x 1,000

ft	132.5 ft + 7.5 ft + 101.7 ft			149.0 ft + 7.5 ft + 101.7 ft			165.7 ft + 7.5 ft + 101.7 ft			182.4 ft + 7.5 ft + 101.7 ft			196.9 ft + 7.5 ft + 101.7 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
52.5	24.0			22.5											
59.1	23.8			22.0			20.5								
65.6	23.1			21.6			20.5			15.2			13.7		
72.2	22.7			21.2			20.3			15.2			13.7		
78.7	22.0			20.7			19.8			15.2			13.7		
85.3	21.4			20.3			19.2			15.2			13.7		
91.9	20.3			19.6			18.1			15.2			13.7		
98.4	19.4	14.8		19.0	14.3		17.0			14.3			12.8		
105.0	18.7	14.1		18.1	13.9		15.9	13.0		12.8			11.2		
111.5	17.9	13.7		17.4	13.4		14.6	12.3		11.2	10.8		9.7		
118.1	17.2	13.4		16.8	13.0		13.0	11.7		9.9	9.9		8.4	7.9	
124.7	16.5	13.0		16.3	12.6		11.7	11.2		8.6	9.0		7.3	7.3	
131.2	15.9	12.6	11.0	15.7	12.3	10.8	10.6	10.4		7.5	8.2		6.2	6.6	
137.8	15.4	12.1	11.0	15.2	11.9	10.8	9.5	9.5	8.8	6.6	7.3		5.1	6.0	
144.4	14.8	11.9	10.8	13.9	11.7	10.6	8.6	8.6	8.2	5.5	6.4	6.2	4.2	5.5	
150.9	14.3	11.7	10.6	12.8	11.5	10.4	7.5	7.7	7.7	4.6	5.5	5.7	3.3	4.6	4.9
157.5	13.9	11.2		11.9	11.0	10.4	6.6	6.8	6.8	3.7	4.6	5.1		3.7	4.4
164.0	13.0	11.0		11.0	10.4		6.0	6.2	6.2		4.0	4.4			3.5
177.2	10.1	10.6		8.6	8.8		4.4	4.9							
190.3	7.7	9.5		6.2	7.3			3.5							
203.4	5.5	6.8													
216.5	3.7														

** No increase in lifting capacity with a 299,828 lbs/ 136 t counterweight. · Aucune augmentation de la charge de levage avec contrepoids de 299,828 lbs/ 136 t. · Ningún aumento de la capacidad de carga con contrapeso de 299,828 lbs/ 136 t.*

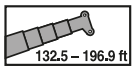
Working range · Rayon de travail · Zona de trabajo

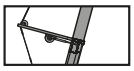
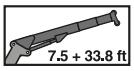


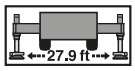


** No increase in lifting capacity with a 299,828 lbs/ 136 t counterweight. · Aucune augmentation de la charge de levage avec contrepoids de 299,828 lbs/ 136 t. · Ningún aumento de la capacidad de carga con contrapeso de 299,828 lbs/ 136 t.*

Lifting capacities · Charges de levage · Cargas



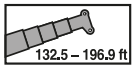



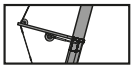
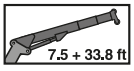


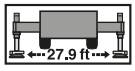
255,736 lbs* **ASME**

lbs x 1,000

ft	132.5 ft + 7.5 ft + 33.8 ft			149.0 ft + 7.5 ft + 33.8 ft			165.7 ft + 7.5 ft + 33.8 ft			182.4 ft + 7.5 ft + 33.8 ft			196.9 ft + 7.5 ft + 33.8 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
29.5	85.1														
32.8	85.1			68.8											
36.1	85.1			68.8			55.6								
39.4	85.1			68.8			55.3			33.7					
45.9	85.1	66.8		68.8	52.5		50.7			33.7			27.8		
52.5	80.0	63.9	50.3	68.8	49.8	34.6	46.7	36.8		33.7	32.0		27.8		
59.1	69.9	61.3	49.4	65.5	47.6	34.0	43.4	34.6	24.3	33.7	29.8	19.4	27.8	27.8	
65.6	61.5	58.6	48.7	57.5	45.6	33.3	40.6	32.6	23.6	33.3	27.8	18.7	27.8	26.5	23.6
72.2	54.2	52.2	48.3	50.5	43.9	32.8	37.9	30.9	23.1	30.9	26.0	18.1	27.8	24.7	22.0
78.7	48.1	46.7	46.7	44.8	42.1	32.4	35.5	29.3	22.7	28.7	24.5	17.6	27.1	22.7	20.3
85.3	42.8	41.9	41.9	39.5	38.6	32.0	33.3	28.0	22.3	26.7	23.1	17.2	25.1	20.7	18.7
91.9	37.9	37.5	37.7	35.1	34.4	31.7	31.5	26.7	21.8	24.9	21.4	16.8	22.7	18.7	17.2
98.4	33.7	33.5		30.9	30.6	30.9	29.1	25.6	21.4	22.7	19.8	16.5	20.5	17.0	15.7
105.0	30.0	30.0		27.3	27.3		25.8	24.5	21.2	20.7	18.3	16.1	18.3	15.4	14.3
111.5	26.7	26.9		24.0	24.3		22.7	22.7	20.9	19.2	16.8	15.7	16.5	14.1	13.2
118.1	23.8	23.8		21.2	21.4		19.8	20.3		17.4	15.4	14.6	14.8	12.6	12.1
124.7	20.9	21.2		18.7	19.0		17.4	17.6		16.1	14.3		13.2	11.5	11.0
131.2	18.5	18.7		16.3	16.5		15.0	15.4		14.1	13.2		11.7	10.1	
137.8	16.3	16.5		14.1	14.3		13.0	13.4		11.9	12.1		10.1	9.3	
144.4	14.1	14.3		12.1	12.3		11.0	11.5		10.1	10.6		8.4	8.2	
150.9	11.9			10.1	10.6		9.3	9.7		8.4	8.8		6.6	7.3	
157.5	6.0			8.6	8.6		7.5	7.9		6.6	7.1		5.1	5.7	
164.0				6.8			6.0	6.4		5.3	5.5		3.5	4.2	
177.2				4.0			3.3								



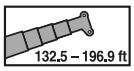


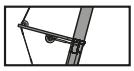
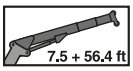
211,644 lbs **ASME**

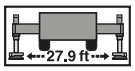
lbs x 1,000

ft	132.5 ft + 7.5 ft + 33.8 ft			149.0 ft + 7.5 ft + 33.8 ft			165.7 ft + 7.5 ft + 33.8 ft			182.4 ft + 7.5 ft + 33.8 ft			196.9 ft + 7.5 ft + 33.8 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
29.5	85.1														
32.8	85.1			68.8											
36.1	85.1			68.8			55.6								
39.4	85.1			68.8			55.3			33.7					
45.9	85.1	66.8		68.8	52.5		50.7			33.7			27.8		
52.5	80.0	63.9	50.3	68.8	49.8	34.6	46.7	36.8		33.7	32.0		27.8		
59.1	69.9	61.3	49.4	65.5	47.6	34.0	43.4	34.6	24.3	33.7	29.8	19.4	27.8	27.8	
65.6	61.5	58.6	48.7	57.5	45.6	33.3	40.6	32.6	23.6	33.3	27.8	18.7	27.8	26.5	23.6
72.2	54.2	52.2	48.3	50.5	43.9	32.8	37.9	30.9	23.1	30.9	26.0	18.1	27.8	24.7	22.0
78.7	48.1	46.7	46.7	44.8	42.1	32.4	35.5	29.3	22.7	28.7	24.5	17.6	27.1	22.7	20.3
85.3	42.8	41.9	41.9	39.5	38.6	32.0	33.3	28.0	22.3	26.7	23.1	17.2	25.1	20.7	18.7
91.9	37.9	37.5	37.7	35.1	34.4	31.7	31.5	26.7	21.8	24.9	21.4	16.8	22.7	18.7	17.2
98.4	33.7	33.5		30.9	30.6	30.9	29.1	25.6	21.4	22.7	19.8	16.5	20.5	17.0	15.7
105.0	30.0	30.0		27.3	27.3		25.8	24.5	21.2	20.7	18.3	16.1	18.3	15.4	14.3
111.5	26.7	26.9		24.0	24.3		22.7	22.7	20.9	19.2	16.8	15.7	16.5	14.1	13.2
118.1	23.1	23.8		21.2	21.4		19.8	20.3		17.4	15.4	14.6	14.8	12.6	12.1
124.7	19.4	21.2		18.7	19.0		17.4	17.6		16.1	14.3		13.2	11.5	11.0
131.2	16.1	17.4		16.3	16.5		15.0	15.4		14.1	13.2		11.7	10.1	
137.8	13.0	14.1		13.4	14.3		13.0	13.4		11.9	12.1		9.0	9.3	
144.4	10.1	11.0		10.6	11.9		11.0	11.5		10.1	10.6			8.2	
150.9	7.7			8.2	9.3		9.0	9.7		8.4	8.8				
157.5	5.5			6.0	6.6		6.8	7.9		6.6	7.1				
164.0				4.0			4.9	5.5		5.3	5.5				

** No increase in lifting capacity with a 299,828 lbs/ 136 t counterweight. · Aucune augmentation de la charge de levage avec contrepoids de 299,828 lbs/ 136 t. · Ningún aumento de la capacidad de carga con contrapeso de 299,828 lbs/ 136 t.*



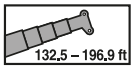



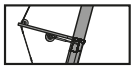
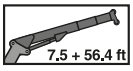


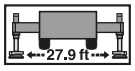
255,736 lbs* **ASME**

lbs x 1,000

ft	132.5 ft + 7.5 ft + 56.4 ft			149.0 ft + 7.5 ft + 56.4 ft			165.7 ft + 7.5 ft + 56.4 ft			182.4 ft + 7.5 ft + 56.4 ft			196.9 ft + 7.5 ft + 56.4 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
32.8	36.8														
36.1	36.8														
39.4	36.8			36.8											
45.9	36.8			36.8			36.8			27.6					
52.5	36.8			36.8			36.8			27.6			18.5		
59.1	36.8	36.8		36.8			36.6			27.6			18.5		
65.6	36.8	36.8		36.8	35.1		34.2	25.8		27.6			18.5		
72.2	36.8	36.8	28.9	36.8	33.5		32.0	24.5		26.7	21.4		18.5	18.5	
78.7	36.8	35.9	28.4	36.8	32.2	22.7	29.8	23.4	17.6	24.7	20.1		18.5	18.5	
85.3	36.8	34.6	28.0	36.8	30.9	22.3	28.0	22.0	17.2	23.1	19.0	16.8	18.5	17.0	14.6
91.9	36.6	33.5	27.6	34.0	29.8	21.8	26.5	21.2	16.8	21.6	17.9	15.7	18.5	15.7	13.4
98.4	33.1	32.4	27.3	30.2	28.7	21.6	24.9	20.1	16.5	19.8	16.5	14.6	18.1	14.1	12.6
105.0	29.8	29.8	27.1	27.1	27.3	21.2	23.6	19.2	16.1	18.1	15.2	13.4	16.1	13.0	11.5
111.5	26.7	26.9	26.9	24.3	24.7	20.9	22.3	18.3	15.9	16.5	14.1	12.6	14.6	11.9	10.6
118.1	24.0	24.5	24.9	21.6	22.0	20.7	20.3	17.6	15.7	15.2	13.0	11.7	13.0	10.8	9.7
124.7	21.6	22.0		19.2	19.8	20.5	18.1	17.0	15.2	13.9	11.9	10.8	11.7	9.7	8.8
131.2	19.4	19.8		17.2	17.9		15.9	16.1	14.6	12.6	11.0	10.1	10.4	8.8	8.2
137.8	17.2	17.9		15.2	15.9		13.9	14.8		11.5	10.1	9.3	9.3	7.9	7.3
144.4	15.4	15.9		13.2	14.1		12.1	13.0		10.6	9.3		8.4	7.1	6.6
150.9	13.7	14.1		11.7	12.3		10.6	11.2		9.5	8.4		7.3	6.4	
157.5	11.9	12.6		10.1	10.8		9.0	9.9		8.2	7.7		6.4	5.5	
164.0	10.6	10.8		8.6	9.3		7.7	8.4		6.6	7.1		5.3	4.9	
177.2	7.7			6.0	6.4		5.1	5.7		4.2	5.1			3.5	
190.3				3.7				3.3							



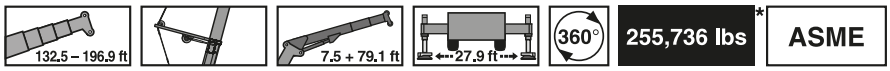


211,644 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 7.5 ft + 56.4 ft			149.0 ft + 7.5 ft + 56.4 ft			165.7 ft + 7.5 ft + 56.4 ft			182.4 ft + 7.5 ft + 56.4 ft			196.9 ft + 7.5 ft + 56.4 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
32.8	36.8														
36.1	36.8														
39.4	36.8			36.8											
45.9	36.8			36.8			36.8			27.6					
52.5	36.8			36.8			36.8			27.6			18.5		
59.1	36.8	36.8		36.8			36.6			27.6			18.5		
65.6	36.8	36.8		36.8	35.1		34.2	25.8		27.6			18.5		
72.2	36.8	36.8	28.9	36.8	33.5		32.0	24.5		26.7	21.4		18.5	18.5	
78.7	36.8	35.9	28.4	36.8	32.2	22.7	29.8	23.4	17.6	24.7	20.1		18.5	18.5	
85.3	36.8	34.6	28.0	36.8	30.9	22.3	28.0	22.0	17.2	23.1	19.0	16.8	18.5	17.0	14.6
91.9	36.6	33.5	27.6	34.0	29.8	21.8	26.5	21.2	16.8	21.6	17.9	15.7	18.5	15.7	13.4
98.4	33.1	32.4	27.3	30.2	28.7	21.6	24.9	20.1	16.5	19.8	16.5	14.6	18.1	14.1	12.6
105.0	29.8	29.8	27.1	27.1	27.3	21.2	23.6	19.2	16.1	18.1	15.2	13.4	16.1	13.0	11.5
111.5	26.7	26.9	26.9	24.3	24.7	20.9	22.3	18.3	15.9	16.5	14.1	12.6	14.6	11.9	10.6
118.1	24.0	24.5	24.9	21.6	22.0	20.7	20.3	17.6	15.7	15.2	13.0	11.7	13.0	10.8	9.7
124.7	21.6	22.0		19.2	19.8	20.5	18.1	17.0	15.2	13.9	11.9	10.8	11.7	9.7	8.8
131.2	19.4	19.8		17.2	17.9		15.9	16.1	14.6	12.6	11.0	10.1	10.4	8.8	8.2
137.8	17.2	17.9		15.2	15.9		13.9	14.8		11.5	10.1	9.3	9.3	7.9	7.3
144.4	15.4	15.9		13.2	14.1		12.1	13.0		10.6	9.3		8.4	7.1	6.6
150.9	12.8	14.1		11.7	12.3		10.6	11.2		9.5	8.4		7.3	6.4	
157.5	10.6	12.3		10.1	10.8		9.0	9.9		8.2	7.7			5.5	
164.0	8.4	9.7		8.6	9.3		7.7	8.4		6.6	7.1			4.9	
177.2	4.6			4.9	6.0		5.1	5.7		4.2	5.1				
190.3								3.3							

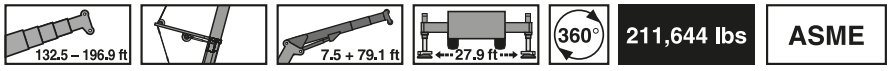
** No increase in lifting capacity with a 299,828 lbs/ 136 t counterweight. · Aucune augmentation de la charge de levage avec contrepoids de 299,828 lbs/ 136 t. · Ningún aumento de la capacidad de carga con contrapeso de 299,828 lbs/ 136 t.*



255,736 lbs* **ASME**

lbs x 1,000

ft	132.5 ft + 7.5 ft + 79.1 ft			149.0 ft + 7.5 ft + 79.1 ft			165.7 ft + 7.5 ft + 79.1 ft			182.4 ft + 7.5 ft + 79.1 ft			196.9 ft + 7.5 ft + 79.1 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
45.9	35.9			31.5											
52.5	35.3			31.5			27.1								
59.1	34.4			31.5			27.1			21.4			16.3		
65.6	33.5			31.5			27.1			21.4			16.3		
72.2	32.4	25.6		31.1			27.1			21.4			16.3		
78.7	31.3	24.9		30.6	24.5		25.8			21.4			16.3		
85.3	30.2	24.3		3	23.8		24.0	18.5		21.2	17.0		16.3		
91.9	29.1	23.4		29.1	23.1		22.7	17.6		19.8	15.9		16.3	13.0	
98.4	28.2	22.7	18.7	28.2	22.5	16.5	21.4	16.8		18.5	15.0		15.7	11.9	
105.0	27.3	22.0	18.5	26.2	22.0	16.1	20.3	15.9	13.7	17.0	13.9	12.1	14.1	11.0	
111.5	26.0	21.6	18.3	23.6	21.4	15.9	19.2	15.2	13.0	15.7	12.8	11.2	12.8	9.9	8.8
118.1	23.6	20.9	18.1	21.4	20.9	15.7	18.1	14.6	12.6	14.3	11.9	10.4	11.5	9.0	7.9
124.7	21.4	20.5	17.9	19.4	20.1	15.4	17.2	13.9	11.9	13.0	11.0	9.7	10.4	8.4	7.3
131.2	19.4	20.1	17.9	17.4	18.3	15.2	16.1	13.0	11.2	11.9	10.1	9.0	9.3	7.5	6.8
137.8	17.6	18.3	17.6	15.7	16.5	15.0	14.3	12.3	10.8	11.0	9.3	8.4	8.2	6.8	6.2
144.4	15.9	16.8		13.9	15.0	15.0	12.8	11.7	10.4	9.9	8.6	7.7	7.3	6.2	5.5
150.9	14.3	15.2		12.3	13.4		11.2	11.0	9.9	9.0	7.9	7.1	6.4	5.5	5.1
157.5	12.8	13.7		11.0	11.9		9.9	10.4	9.5	8.2	7.3	6.6	5.7	4.9	4.4
164.0	11.5	12.3		9.7	10.6		8.6	9.7		7.5	6.6	6.0	4.9	4.2	4.0
177.2	9.0	9.7		7.3	8.2		6.2	7.3		5.5	5.3		3.5		
190.3	6.8	7.3		5.1	6.0			3.5		3.5	4.4				
203.4	4.9			3.3	3.7										

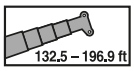


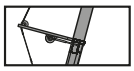
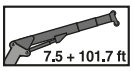
211,644 lbs **ASME**

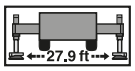
lbs x 1,000

ft	132.5 ft + 7.5 ft + 79.1 ft			149.0 ft + 7.5 ft + 79.1 ft			165.7 ft + 7.5 ft + 79.1 ft			182.4 ft + 7.5 ft + 79.1 ft			196.9 ft + 7.5 ft + 79.1 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
45.9	35.9			31.5											
52.5	35.3			31.5			27.1								
59.1	34.4			31.5			27.1			21.4			16.3		
65.6	33.5			31.5			27.1			21.4			16.3		
72.2	32.4	25.6		31.1			27.1			21.4			16.3		
78.7	31.3	24.9		30.6	24.5		25.8			21.4			16.3		
85.3	30.2	24.3		3	23.8		24.0	18.5		21.2	17.0		16.3		
91.9	29.1	23.4		29.1	23.1		22.7	17.6		19.8	15.9		16.3	13.0	
98.4	28.2	22.7	18.7	28.2	22.5	16.5	21.4	16.8		18.5	15.0		15.7	11.9	
105.0	27.3	22.0	18.5	26.2	22.0	16.1	20.3	15.9	13.7	17.0	13.9	12.1	14.1	11.0	
111.5	26.0	21.6	18.3	23.6	21.4	15.9	19.2	15.2	13.0	15.7	12.8	11.2	12.8	9.9	8.8
118.1	23.6	20.9	18.1	21.4	20.9	15.7	18.1	14.6	12.6	14.3	11.9	10.4	11.5	9.0	7.9
124.7	21.4	20.5	17.9	19.4	20.1	15.4	17.2	13.9	11.9	13.0	11.0	9.7	10.4	8.4	7.3
131.2	19.4	20.1	17.9	17.4	18.3	15.2	16.1	13.0	11.2	11.9	10.1	9.0	9.3	7.5	6.8
137.8	17.6	18.3	17.6	15.7	16.5	15.0	14.3	12.3	10.8	11.0	9.3	8.4	8.2	6.8	6.2
144.4	15.9	16.8		13.9	15.0	15.0	12.8	11.7	10.4	9.9	8.6	7.7	7.3	6.2	5.5
150.9	14.3	15.2		12.3	13.4		11.2	11.0	9.9	9.0	7.9	7.1	6.4	5.5	5.1
157.5	12.8	13.7		11.0	11.9		9.9	10.4	9.5	8.2	7.3	6.6	5.7	4.9	4.4
164.0	11.5	12.3		9.7	10.6		8.6	9.7		7.5	6.6	6.0	4.9	4.2	4.0
177.2	8.4	9.7		7.3	8.2		6.2	7.3		5.5	5.3				
190.3	5.1	6.4		5.1	6.0			3.5		3.5	4.4				
203.4					3.5										

** No increase in lifting capacity with a 299,828 lbs/ 136 t counterweight. · Aucune augmentation de la charge de levage avec contrepoids de 299,828 lbs/ 136 t. · Ningún aumento de la capacidad de carga con contrapeso de 299,828 lbs/ 136 t.*



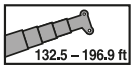



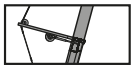
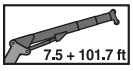


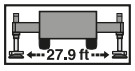
255,736 lbs* **ASME**

lbs x 1,000

ft	132.5 ft + 7.5 ft + 101.7 ft			149.0 ft + 7.5 ft + 101.7 ft			165.7 ft + 7.5 ft + 101.7 ft			182.4 ft + 7.5 ft + 101.7 ft			196.9 ft + 7.5 ft + 101.7 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
52.5	24.0														
59.1	24.0			22.5			19.6								
65.6	23.6			22.0			19.6			14.6			13.0		
72.2	23.1			21.6			19.6			14.6			13.0		
78.7	22.7			21.4			19.6			14.6			13.0		
85.3	22.0			20.9			19.6			14.6			13.0		
91.9	21.6	15.9		20.5			19.6			14.6			13.0		
98.4	20.7	15.4		20.3	15.2		19.4	15.0		14.6			13.0		
105.0	20.1	14.8		19.8	14.8		18.5	14.3		14.6	12.6		12.6		
111.5	19.2	14.3		19.2	14.3		17.4	13.7		14.3	11.7		11.5	8.8	
118.1	18.5	13.9	11.7	18.5	13.9		16.5	13.0		13.2	10.8		10.4	8.2	
124.7	17.6	13.4	11.5	17.9	13.4	11.5	15.7	12.3	10.4	12.1	9.9		9.3	7.3	
131.2	17.0	13.0	11.2	17.2	13.2	11.2	14.8	11.7	9.7	11.0	9.3	8.2	8.4	6.6	
137.8	16.5	12.8	11.2	15.9	12.8	11.2	14.1	11.0	9.3	10.1	8.4	7.5	7.5	6.0	5.3
144.4	15.9	12.3	11.0	14.3	12.3	11.0	13.2	10.4	8.8	9.3	7.7	6.8	6.6	5.5	4.9
150.9	14.8	12.1	11.0	13.0	12.1	11.0	11.9	9.9	8.4	8.4	7.1	6.4	6.0	4.9	4.4
157.5	13.4	11.7	11.0	11.7	11.9	10.8	10.6	9.3	7.9	7.7	6.6	6.0	5.1	4.4	4.0
164.0	12.1	11.5	10.8	10.6	11.5	10.8	9.5	8.8	7.7	6.8	6.0	5.3	4.4	3.7	3.5
177.2	9.9	11.0		8.2	9.5		7.3	7.7	6.8	5.5	4.9	4.4	3.3		
190.3	7.9	8.8		4.2	5.3		5.3	6.4		4.4	4.0				
203.4	6.0	6.8					3.5	4.6							
216.5	4.4	4.9													





211,644 lbs **ASME**

lbs x 1,000

ft	132.5 ft + 7.5 ft + 101.7 ft			149.0 ft + 7.5 ft + 101.7 ft			165.7 ft + 7.5 ft + 101.7 ft			182.4 ft + 7.5 ft + 101.7 ft			196.9 ft + 7.5 ft + 101.7 ft		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
52.5	24.0														
59.1	24.0			22.5			19.6								
65.6	23.6			22.0			19.6			14.6			13.0		
72.2	23.1			21.6			19.6			14.6			13.0		
78.7	22.7			21.4			19.6			14.6			13.0		
85.3	22.0			20.9			19.6			14.6			13.0		
91.9	21.6	15.9		20.5			19.6			14.6			13.0		
98.4	20.7	15.4		20.3	15.2		19.4	15.0		14.6			13.0		
105.0	20.1	14.8		19.8	14.8		18.5	14.3		14.6	12.6		12.6		
111.5	19.2	14.3		19.2	14.3		17.4	13.7		14.3	11.7		11.5	8.8	
118.1	18.5	13.9	11.7	18.5	13.9		16.5	13.0		13.2	10.8		10.4	8.2	
124.7	17.6	13.4	11.5	17.9	13.4	11.5	15.7	12.3	10.4	12.1	9.9		9.3	7.3	
131.2	17.0	13.0	11.2	17.2	13.2	11.2	14.8	11.7	9.7	11.0	9.3	8.2	8.4	6.6	
137.8	16.5	12.8	11.2	15.9	12.8	11.2	14.1	11.0	9.3	10.1	8.4	7.5	7.5	6.0	5.3
144.4	15.9	12.3	11.0	14.3	12.3	11.0	13.2	10.4	8.8	9.3	7.7	6.8	6.6	5.5	4.9
150.9	14.8	12.1	11.0	13.0	12.1	11.0	11.9	9.9	8.4	8.4	7.1	6.4	6.0	4.9	4.4
157.5	13.4	11.7	11.0	11.7	11.9	10.8	10.6	9.3	7.9	7.7	6.6	6.0	5.1	4.4	4.0
164.0	12.1	11.5	10.8	10.6	11.5	10.8	9.5	8.8	7.7	6.8	6.0	5.3	4.4	3.7	3.5
177.2	9.9	11.0		8.2	9.5		7.3	7.7	6.8	5.5	4.9	4.4			
190.3	7.9	8.8		4.2	5.3		5.3	6.4		4.4	4.0				
203.4	5.7	6.8					3.5	4.6							
216.5		4.4													

** No increase in lifting capacity with a 299,828 lbs/ 136 t counterweight. · Aucune augmentation de la charge de levage avec contrepoids de 299,828 lbs/ 136 t. · Ningún aumento de la capacidad de carga con contrapeso de 299,828 lbs/ 136 t.*

EQUIPMENT

ÉQUIPEMENT
EQUIPAMIENTO

Carrier

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

Outriggers: 4-point double telescopic hydraulic outriggers incl. asymmetric outrigger base and automatic length detection. Controls on both sides of carrier and in superstructure cab. Outrigger base 27.9 ft/ 8.5 m, 26.2 ft/ 8.0 m, 22.3 ft/ 6.8 m, 18.0 ft/ 5.5 m, 8.8 ft/ 2.7 m x 29.2 ft/ 8.9 m.

Engine: Mercedes-Benz 6 cylinder model OM 473 LA (Euromot IV / EPA Tier 4f), water-cooled diesel engine. Hydrostatically driven, electronically controlled fan, rated at 625 HP (460 kW) at 1700 min-1. Torque 2,139 ft-lbs/ 2900 Nm (296 kpm) at 1300 min-1. Engine rating according to ECE R 120. Fuel tank: 174 gal/ 660 l. AdBlue tank: 11 gal/ 40 l.

Transmission: Mechanical ZF TC-Tronic transmission, type 12 TC 3041 SO, with torque converter clutch and integrated intarder, electro-pneumatically actuated dry clutch and fully automatic transmission control system, 12 forward and 2 reverse gears. If necessary, semi-automatic mode (Tip-Tronic) is possible with manual gear selection.

Drive: 12 x 8

Axles:

1st axle:	steered, driven; with differential lock, transverse.
2nd axle:	steered, not driven.
3rd axle:	steered, driven; with differential lock, transverse and longitudinal.
4th axle:	steered, with connectable drive, with differential lock, transverse.
5th axle:	steered, driven; with differential lock, transverse.
6th axle:	steered, not driven.

Suspension: Hydro-pneumatic suspension with leveling adjustment; suspension cylinders electro-hydraulically lockable.

Brake system: Air-operated dual-circuit disc brake system with air drier. Parking brake: spring loaded type acting on 3rd, 4th, 5th and 6th axles. Intarder and engine brake as continuous service brake.

Tyres: (12) 445/95 R 25 (16.00 R 25).

Steering system: ZF Servocom, dual-circuit hydraulic steering with emergency steering pump. Mechanical steering of 1st and 2nd axles. In "On-road" mode, automatic electronic steering of the axles 3 - 6 up to a speed of 15.5 mph/ 25 km/h. As of a speed of 15.5 mph 25 km/h, the axles 4 and 5 are locked in straight-ahead position and, as of a speed of 31.1 mph/ 50 km/h, axles 3 and 6 additionally.

Carrier cab: Two man full width cab of composite (steel sheet metal and fibre-glass) structure, with safety glass, central locking system, air-cushioned seats, driver's seat offering various adjustment options, with memory function and heater, engine dependent water heater, air conditioning, Bluetooth hands-free equipment, multifunction display, rear view camera, radio/CD player with USB port, control and operating elements for driving operation, Cruise Control and hill braking feature.

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

Optional equipment: (at extra charge)
Towing attachment, autonomous supplementary heating with engine-preheater, ABS System, 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 with three-race roller bearing slewing ring with external gearing, rotating through 360°. Central lubricating system.

Engine: Mercedes-Benz 6 cylinder model OM 936 LA (Euromot IV / EPA Tier 4f), water cooled diesel engine. The engine speed can be varied via a foot pedal. Rated at 279 HP (205 kW) at 1900 min-1. Torque 848 ft-lbs/ 1150 Nm (117 kpm) at 1200 - 1600 min-1. Engine rating according to ECE R 120. Fuel tank: 61 gal/ 230 l. AdBlue tank: 5 gal/ 19 l.

Hydraulic system: Three-circuit diesel-hydraulic system, 1 power-controlled axial-piston twin pump (hydraulically adjustable) with accumulative power control for telescoping, boom elevation and main winch, 1 axial-piston pump for the swing mechanism and counterweight cylinder, 1 geared pump for control oil supply, 1 oil cooler and 1 supplementary oil cooler.

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

Telescopic boom: Five-section telescopic boom made of high-tensile fine-grained steel, consisting of 1 base section and 4 telescoping sections, 1 telescopic cylinder, extendable hydraulically under partial load. 49.2 ft/ 15.0 m to 196.9 ft/ 60.0 m long. Boom head with 7 sheaves, optionally available with another 2 sheaves.

Boom elevation: One differential cylinder with attached brake and holding valve.

Main winch: Axial-piston variable-displacement motor, hoisting gear drum with integrated planetary gears and hydraulically controlled spring-loaded multiple disc brake and integrated free rotation (no sagging of the load when hoisting). Drum rotation indicator, hoist cable with "Super Stop" easy reeving system. Camera system for monitoring the rope.

Slewing system: Axial-piston constant motor, three-stage planetary reduction with foot-actuated or automatic service and parking brake. Open hydraulic circuit with swing mechanism lock-out. Swing speed steplessly variable from 0 to 1.1 rpm.

Counterweight: Total 299,828 lbs/ 136 t, divisible. Installation and removal controlled from superstructure cab.

Superstructure cab: Spacious crane cab of composite steel / plastic design with tempered tinted glass windows, tiltable cockpit with mechanically cushioned adjustable driver's seat with heater, engine-fed warm water heater unit and autonomous supplementary heater (with engine pre-heating), air conditioning, radio / CD player, controls and instrumentation for crane operation.

Electrical system: 24 V DC, 2 batteries, 1 working floodlight on base boom, 2 integrated in crane cab.

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

Dolly kit: Slewing gear unfixed & boom socket.

Optional equipment: (at extra charge)
Fixed jib 19.7 ft/ 6 m to 78.7 ft/ 24 m. Tiltable jib 6.6 ft/ 2.0 m + 11.5 ft/ 3.5 m and 6.6 ft/ 2.0 m + 11.5 ft/ 3.5 m to 155.8 ft/ 47.5 m, mechanically tiltable 0°/20°/40°, hydraulically tiltable 0° to 40°. Luffing jibs 8.2 ft/ 2.5 m + 66.6 ft/ 20.3 m to 249.3 ft/ 76 m and 8.2 ft/ 2.5 m + 151.0 ft/ 46 m to 210.0 ft/ 64 m (light), main boom offset positions 83°/75°/68°. Hydraulically telescopable and tiltable jib HTLJ 7.5 ft/ 2.3 m + 33.8 ft/ 10.3 m to 101.7 ft / 31 m, hydraulically tiltable from 5° to 60°. Telescopic boom suspension system "Power System". 13.8 US t/ 12.5 t hook tackle, selection of hook blocks of the type 44.1/ 40 to 275.6 / 250, 2nd Main winch. Special paint and lettering. Further optional equipment available upon request.

Châssis

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

Calage: Dispositif de calage horizontal et vertical double en 4 points, entièrement déployable hydrauliquement, y compris distance entre appuis asymétrique et détection de longueur automatique, commande des mouvements sur les deux côtés du porteur et depuis la cabine de la superstructure. Calage 27.9 ft/ 8.5 m, 26.2 ft/ 8.0 m, 22.3 ft/ 6.8 m, 18.0 ft/ 5.5 m, 8.8 ft/ 2.7 m x 29.2 ft/ 8.9 m.

Moteur: Mercedes Benz diesel 6 cylindres, modèle OM 473 LA (Euromot IV / EPA Tier 4f), refroidi par eau. Soufflante à entraînement hydrostatique avec régulation électronique, puissance 625 CV (460 kW) à 1700 min-1. Couple: 2,139 ft-lbs/ 2900 Nm (296 kpm) à 1300 min-1. Puissance selon ECE R 120. Capacité du réservoir: 174 gal/ 660 l. Capacité du réservoir AdBlue: 11 gal/ 40 l.

Boîte de vitesse: ZF-TC-Tronic, modèle 12 TC 3041 SO, boîte de vitesses mécanique avec convertisseur-embrayage et 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.

Entraînement: 12 x 8

Essieux:
1er essieu: directeur, entraîné, blocage de différentiel transversal.
2ème essieu: directeur, non entraîné.
3ème essieu: directeur, entraîné, blocage de différentiel transversal et longitudinal.
4ème essieu: directeur, avec entraînement connectable, blocage de différentiel transversal.
5ème essieu: directeur, entraîné, blocage de différentiel transversal.
6ème essieu: directeur, non entraîné.

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

Freins: ystème de frein à disque à air comprimé, à deux circuits, avec sécheur d'air. Le frein de stationnement agit sur les essieux 3, 4, 5 et 6 comme frein à ressorts accumulateurs. Intarder et frein moteur comme frein continu.

Pneus: 12 x 445/95 R 25 (16:00 R 25).

Direction: Marque ZF Servocom hydraulique à double circuit, avec pompe de secours pour direction Direction mécanique des 1er et 2ème essieux: En mode "route", les essieux 3 à -6 sont dirigés automatiquement et électroniquement jusqu'à une vitesse de 15.5 mph/ 25 km/h. A partir d'une vitesse de 15.5 mph/ 25 km/h, les essieux 4 et 5 sont verrouillés en position de "ligne droite" et, à partir d'une vitesse de 31.1 mph/ 50 km/h, de plus les essieux 3 et 6.

Cabine: Cabine bi-place, construction en matière combinée (acier/ matière plastique), vitres en verre de sécurité, système de verrouillage central, sièges à suspension pneumatique, siège du conducteur à plusieurs réglages, avec fonction de mémoire et chauffant, chauffage d'eau alimenté par le moteur, climatiseur, dispositif mains libres Bluetooth, affichage multi-fonctions, caméra de recul, radio / CD-player avec connecteur USB, éléments de contrôle et de commande pour la conduite, régulateur de vitesse, système automatique de freinage.

Système électrique: 24 V CC, 2 batteries, câblage au composant du bus CAN avec système autodiagnostic CSS intégré, allumage de la zone d'appui, alarme de recul acoustique, système d'éclairage avec des projecteurs halogène Bi ; feu de circulation diurne DEL ; feux-brouillard DEL, 4 gyrophares. Conforme à la norme ECE.

Équipement supplémentaire: (avec supplément de prix) Attache-remorque, chauffage auxiliaire indépendant du moteur avec préchauffage du moteur, système ABS, 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 6 cylindres, modèle OM 936 LA (Euromot IV / EPA Tier 4f), refroidi par eau, réglage en continu du nombre de tours par pédale, de 279 CV (205 kW) à 2200 min-1. Couple: 848 ft-lbs/ 1150 Nm (117 kpm) à 1200 - 1600 min-1. Puissance selon ECE R 120. Capacité du réservoir: 61 gal/ 230 l. Capacité du réservoir AdBlue: 5 gal/ 19 l.

Système hydraulique: Système diesel-hydraulique à trois circuits, 1 double pompe à piston axial réglée en fonction de la puissance (à réglage hydraulique) avec circuit de la somme pour les mécanismes de télescopage, de relevage et de levage, 1 pompe à piston axial pour le groupe de rotation et vérins de contrepoids, 1 pompe à engrenages pour l'alimentation en huile de commande; 1 radiateur d'huile et 1 radiateur d'huile supplémentaire.

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

Flèche télescopique: Flèche télescopique à cinq éléments, en acier à texture fine et très résistant, se composant d'une flèche de base et de 4 éléments télescopiques, 1 vérin de télescopage, télescopable hydrauliquement sous charge partielle. Longueur 49.2 ft/ 15,0 m à 196.9 ft/ 60,0 m. Tête à poulie avec 7 poulies, pouvant être élargi en option de 2 poulies.

Mécanisme de relevage: 1 vérin différentiel muni d'un limiteur de vitesse en descente.

Mécanisme de levage: Moteur à cylindrée variable à piston axial, tambour de levage avec boîte planétaire incorporé et frein d'arrêt à disques multiples hydraulique à ressort, libéré lors du levage. Indicateur de rotation du treuil de câble, câble de levage avec dispositif "Super-Stop". Système de camera pour la surveillance du câble.

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

Contrepoids: Total 299,828 lbs/ 136 t, divisible, pose et dépose commandés depuis la cabine du grutier.

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

Système électrique: 24 V courant continu, 2 batteries, 1 phare de travail sur la flèche de base, 2 intégrés dans la cabine de grue.

Dispositifs de sécurité: 'Lift Adjuster', Contrôleur de l'état de charge (CEC) électronique, avec affichage couleur à cristaux liquides, anémomètre, 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 comme protection contre ruptures des conduites et flexibles. Système de protection antichute.

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

Équipement supplémentaire: (avec supplément de prix) Rallonge de flèche rigide 19.7 ft/ 6 m à 78.7 ft/ 24 m. Rallonges de flèche inclinables 6.6 ft/ 2.0 m + 11.5 ft/ 3.5 m et 6.6 ft/ 2.0 m + 11.5 ft/ 3.5 m à 155.8 ft/ 47.5 m, inclinable mécaniquement 0°/20°/40°, inclinable hydrauliquement 0° à 40°. Rallonges de flèche relevables 8.2 ft/ 2.5 m + 66.6 ft/ 20.3 m à 249.3 ft/ 76 m et 8.2 ft/ 2.5 m + 151.0 ft/ 46 m à 210.0 ft/ 64 m (léger), positions angulaires de la flèche principale 83°/75°/68°. Rallonge de flèche télescopable et inclinable hydrauliquement HTLJ 7.5 ft/ 2.3 m + 33.8 ft/ 10.3 m à 101.7 ft / 31 m, inclinable hydrauliquement 5° à 60°. Équipement de haubanage de la flèche télescopique "Power System". Ensemble de crochet porte-charge de 13.8 US t/ 12,5 t, moufles du type 44.1/ 40 à 275.6 / 250, 2ème treuil de levage. Peinture spéciale et inscription. Autres équipements supplémentaires sur demande.

Chasis

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

Estabilización: Estabilizadores telescópicos hidráulicos dobles de 4 puntos, incl. base de apoyo asimétrica y detección automática de longitud, posibilidad de manejo desde ambos lados del chasis portante y desde la cabina de la grúa. Extensión de los estabilizadores: 27.9 ft/ 8.5 m, 26.2 ft/ 8.0 m, 22.3 ft/ 6.8 m, 18.0 ft/ 5.5 m, 8.8 ft/ 2.7 m x 29.2 ft/ 8.9 m.

Motor: Mercedes Benz modelo OM 473 LA (Euromot IV / EPA Tier 4f), 6 cilindros, diesel, refrigerado por agua, ventilador con propulsión hidrostática y regulación electrónica, potencia: 625 CV (460 kW) a 1700 min-1. Par 2,139 ft-lbs/ 2900 Nm (296 kpm) a 1300 min-1. Potencia del motor según ECE R 120.
Depósito de combustible: 174 gal/ 660 l. Depósito AdBlue: 11 gal/ 40 l.

Transmisión: Transmisión mecánica del tipo ZF-TC-Tronic 12 TC 3041 SO con unidad convertidor de par-embrague e 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.

Tracción: 12 x 8

Ejes:

1° eje:	de dirección, accionado, con bloqueo diferencial transversal.
2° eje:	de dirección, no accionado.
3° eje:	de dirección, accionado, con bloqueo diferencial longitudinal y transversal.
4° eje:	de dirección, con accionamiento conectable, con bloqueo diferencial transversal.
5° eje:	de dirección, accionado, con bloqueo diferencial transversal.
6° eje:	de dirección, no accionado.

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

Frenos: Sistema de frenos de disco neumático de doble circuito con secador de aire. Freno de estacionamiento del tipo freno de muelle, accionando en los ejes 3, 4, 5 y 6. Intarder y freno de motor como freno continuo.

Neumáticos: 12 x 445/95 R 25 (16.00 R 25).

Dirección: Dirección hidráulica ZF Servocom de doble circuito con bomba de emergencia. Dirección mecánica al 1° y 2° eje. En modo de funcionamiento “traslado por carretera”, los ejes 3 a 6 se dirigen electrónicamente hasta una velocidad de 15.5 mph/ 25 km/h. A partir de una velocidad de 15.5 mph/ 25 km/h, los ejes 4 y 5 se bloquean en posición de línea recta y a partir de una velocidad de 31.1 mph/ 50 km/h se bloqueas además los ejes 3 y 6.

Cabina del chasis: Cabina de conductor frontal para dos personas construida en material compuesto de chapa de acero y plástico, acristalamiento de seguridad, bloqueo central, asientos neumáticos, asiento del conductor regulable en múltiples posiciones con función memoria y calefactable, calefacción por agua dependiente del motor, climatizador, dispositivo manos libres con Bluetooth, display multifunción, cámara de marcha atrás, radio/reproductor CD con toma USB, elementos de control y mando para el modo de conducción, regulador de velocidad, sistema automático de frenado.

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

Equipamento adicional: (con suplemento de precio)
Enganche para remolque, calefacción adicional independiente del motor con precalefacción del motor, sistema antibloqueo ABS, neumáticos 525/80 R 25 (20.5 R 25), rueda de repuesto, pintura especial y rotulación. Otros equipamientos adiconales 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 (Euromot IV / EPA Tier 4f), 4 cilindros, diesel, refrigerado por agua. Las revoluciones aumentan de forma gradual accionando el pedal acelerador. Nominal 279 CV (205 kW) a 2200 min-1. Par 848 ft-lbs/ 1150 Nm (117 kpm) a 1200 - 1600 min-1. Potencia del motor según ECE R 120.
Depósito de combustible: 61 gal/ 230 l. Depósito AdBlue: 5 gal/ 19 l.

Sistema hidráulico: Sistema dieselhidráulico de 3 circuitos, 1 bomba doble de pistones axiales de caudal variable (regulable hidráulicamente) con regulación a caudal total para telescopiado, ajuste hacia arriba y abajo y cabrestante, 1 bomba de pistones axiales para mecanismo de giro y cilindro del contrapeso, 1 bomba de engranajes para abastecimiento de aceite de mando, radiador de aceite y 1 radiador de aceite adicional.

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

Pluma telescópica: Pluma telescópica de cinco secciones en acero de alta residencia soldado; se compone de un tramo base y 4 tramos telescópicos, 1 cilindro telescópico; los tramos pueden telescoparse hidráulicamente bajo carga parcial. Longitud de 49.2 ft/15,0 m a 196.9 ft/ 60,0 m. Cabeza de pluma con 7 poleas, con ampliación opcional por otras 2 poleas.

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

Cabrestante principal: Motor de cilindrada variable de pistones axiales, tambor del cabrestante con reducción planetaria incorporada y freno de discos múltiples cargado por resorte con sistema libre de elevación. Indicador de giros del cabrestante, cable de elevación con sistema "Super-Stop". Sistema de cámaras para monitorear el cable.

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

Contrapeso: Peso total 299,828 lbs/ 136 t, divisible. Montaje y desmontaje se accionan desde la cabina de la grúa.

Cabina de la grúa: Cabina de grúa espaciosa en construcción de acero y plástico, con cristales tintados de seguridad, puesto de trabajo inclinable con asiento de conductor regulable, amortiguado mecanicamente y calefactable, calefacción por agua caliente dependiente del motor y calefacción adicional independiente del motor (con precalefacción del motor), climatizador, radio / reproductor de CD, elementos de control y mando.

Sistema eléctrico: 24 voltios de corriente continua, 2 baterías, 1 faro de trabajo en la pluma base, 2 faros integrados en la cabina de la grúa.

Dispositivos de seguridad: "Lift Adjuster", limitador electrónico del momento de carga (LMC) con pantalla de color LCD, anemómetro, limitación de la zona de giro y del área de trabajo con función "Slow Stop", interruptor de fin de carrera, interruptor de fin de carrera del cabrestante, indicador de giros del cabrestante. Válvulas de seguridad como protección contra roturas de tubos y de tubos flexibles. Sistema de protección contra caídas.

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

Equipamento adicional: (con suplemento de precio) Alargamiento de pluma de ángulo fijo de 19.7 ft/ 6 m a 78.7 ft/ 24 m. Alargamientos de pluma regulables 6.6 ft/ 2.0 m + 11.5 ft/ 3.5 m y 6.6 ft/ 2.0 m + 11.5 ft/ 3.5 m a 155.8 ft/ 47.5 m, regulable mecánicamente de 0°/20°/40°, regulable hidráulicamente de 0° a 40°. Alargamientos de pluma ajustables hidráulicamente 8.2 ft/ 2.5 m + 66.6 ft/ 20.3 m a 249.3 ft/ 76 m y 8.2 ft/ 2.5 m + 151.0 ft/ 46 m a 210.0 ft/ 64 m (ligero), posiciones angulares de la pluma principal: 83°/75°/68°. Alargamiento de pluma telescopable y regulable hidraúlicamente HTLJ 7.5 ft/ 2.3 m + 33.8 ft/ 10.3 m à 101.7 ft / 31 m, hidráulicamente regulable de 5° a 60°. Arriostramiento de la pluma telescópica del tipo "Power System". Accesorios de gancho de 13.8 US t/ 12,5 t, pastecas de carga del tipo 44.1/ 40 a 275.6 / 250, 2° cabrestante. Pintura especial y rotulación. Otros equipamientos adicionales sobre pedido.

ADDITIONAL INFORMATION

INFORMATIONS SUPPLÉMENTAIRES
INFORMACIÓN ADICIONAL

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.*

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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.*

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1. *Las cargas nominales son en conformidad con ASME B30.5-1.1. Las cargas indicadas son únicamente valores indicativos. Para los trabajos, consúltese 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.

TOTAL	Gross weight · Poids total · Peso total		Fly jib section · Élément de fléchette · Plumín
	Axle load · Charge à l'essieu · Carga por eje		Hydraulic telescopic and luffing jib HTLJ Fléchette télescopique relevable hydrauliquement HTLJ Plumín hidráulicamente telescopable y regulable HTLJ
	Drive · Entraînement · Tracción		Power System
	Tyres · Pneus · Neumáticos		Dolly · Chariot de transport dolly · Carro tipo dolly
	Gradeability · Capacilé de gravissement de pente Superación de pendientes	360° / 0°	Swing area · Rayon de rotation · Zona de giro
/	Off road / On road · Tout-terrain / Mode “Route” Todo terreno / En carretera	LOCK	Hydraulically lockable · Verrouillable hydrauliquement Con embulonamiento hidráulico
	Speed · Vitesse · Velocidad	1	Main winch · Mécanisme de levage Cabrestante principal
27.9 ft	Outriggers · Calage · Estabilizadores	2	Auxiliary winch · Treuil supplémentaire Cabrestante auxiliar
/ lbs	Counterweight · Contrepoids · Contrapeso	CAP	Rated capacity Capacité nominale Capacidad nominal
	Counterweight element · Élément de contrepoids Parte del contrapeso	lbs t	Lifting capacity · Charge de levage · Carga Portata
ft	Length · Longueur · Longitud		Rope sheaves · Poulies de câbles · Poleas de cable
	Boom elevation · Mécanisme de relevage Elevación de pluma		Parts of line · Brins de câble · Ramales de cable
	Boom telescoping · Télescopage de flèche Telescopaje de pluma	lbs kg	Dead-weight · Poids total · Tara
	Telescopic boom · Flèche télescopique Pluma telescópica		Wire rope length · Longueur du câble de levage Longitud del cable
ft	Radius · Portée · Radio		Wire rope diameter · Diamètre du câble de levage Diámetro del cable de elevación
	Fixed jib · Fléchette rigide · Plumín fijo		Maximum wire rope pulling force Force de traction maxi. du câble de levage Fuerza de tracción maxima del cable de elevación
	Tiltable jib · Fléchette inclinable · Plumín regulable	lbs kg	Weight · Poids · Peso
HYDRO	Hydraulically tiltable jib Fléchette inclinable hydrauliquement Plumín regulable hidráulicamente	US t t	= short tons · tonnes américaines · toneladas cortas = metric tons · tonnes métriques · toneladas métricas
	Luffing jib Fléchette à volée variable Plumin abatible	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

Lifting your dreams

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