

ATF 90G-4

90 METRISCHE TONNEN TRAGLAST / 90 METRIC TON CAPACITY

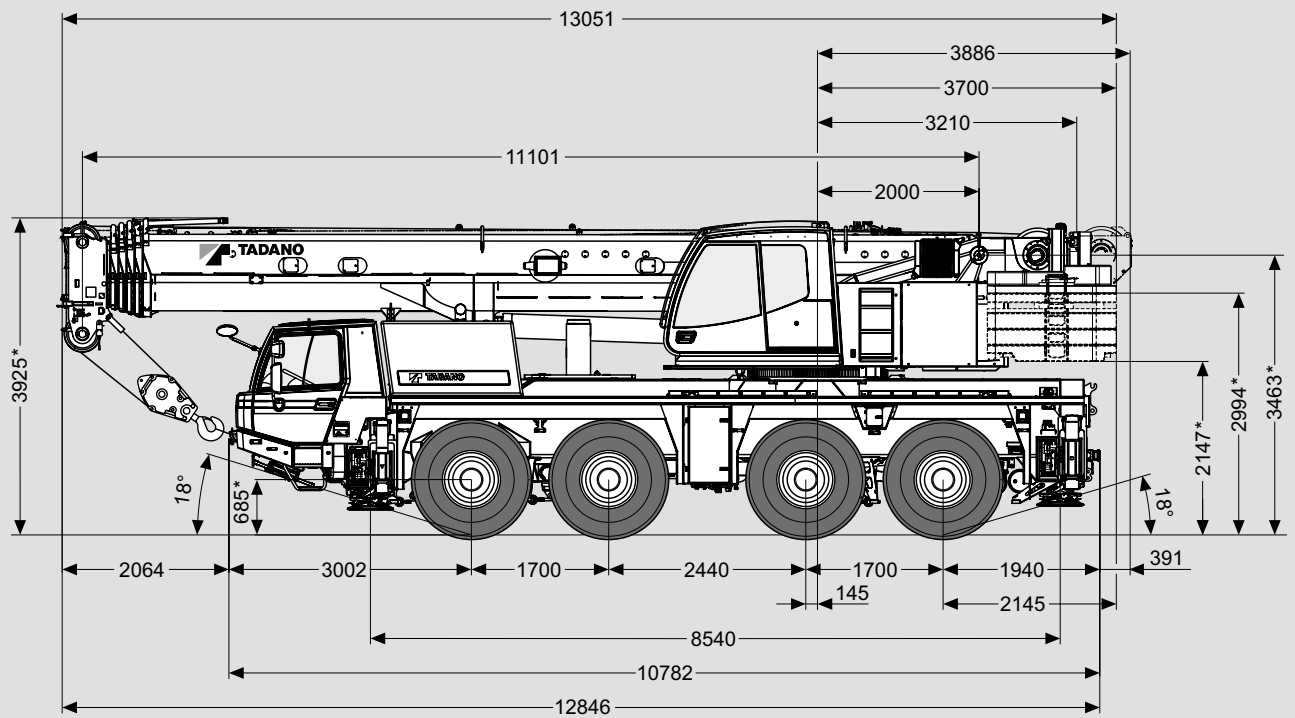
**ALL
TERRAIN
CRANE**



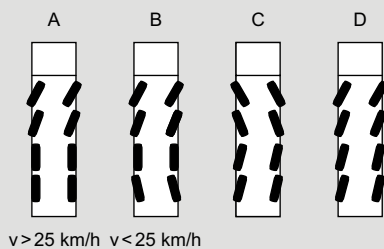
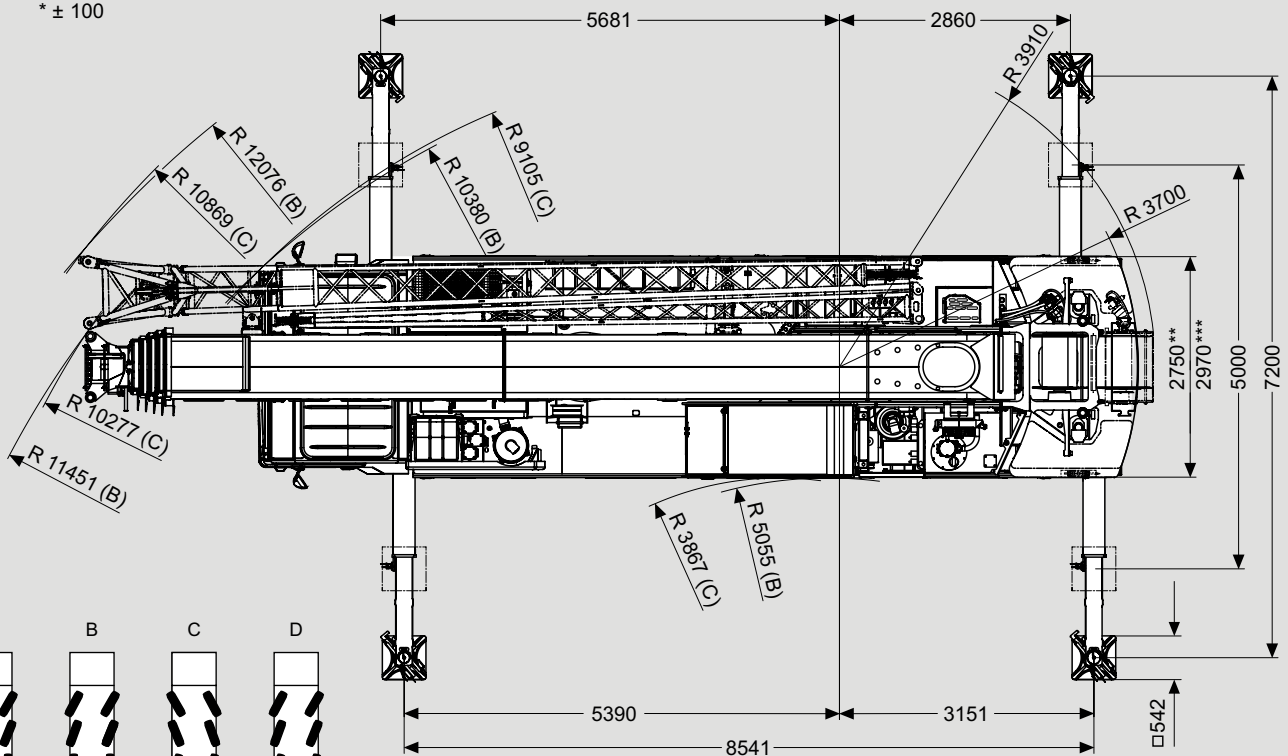
Maße (mm)
Dimensions (mm)
Dimensiones (mm)

 445/95 R 25
(16.00 R 25)

DIN/ISO/EN

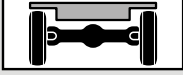


* ± 100



** 385/95 R 25 (14.00 R25), 445/95 R 25 (16.00 R25)
*** 525/80 R 25 (20.5 R25)

Gewichte / Geschwindigkeiten
Weights / Working speeds
Poids / Vitesses
Pesos / Velocidades de trabajo

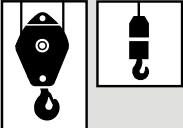
	Achse / Axle Essieu / Eje	1	2	3	4	Gesamtgewicht / Total weight Poids total / Peso total
	(t)	12	12	12	12	48*

* Incl. 6,5 t Gegengewicht, 10 / 18 m Auslegerverlängerung, Unterflasche, Hakengeschirr, Bereifung 445/95 R 25 (16.00 R 25).

* Incl. 6.5 t counterweight, 10 / 18 m boom extension, hook block, swivel hook, tyres 445/95 R 25 (16.00 R 25).

* Incl. de 6,5 t contrepoids, 10 m / 18 m flèche, moufle, élingues, pneus 445/95 R 25 (16.00 R 25).

* Incl. contrapeso de 6,5 t, 10 m / 18 m plumin, gancho, gancho de bola, neumáticos 445/95 R 25 (16.00 R 25).

	Traglast / Lifting capacity / Force de levage / Capacidad de elevación	Rollen / Sheaves Pulies / Poleas	Stränge / Parts of line Brins / Ramales de cable	Gewicht / Weight Poid / Peso
	59.1 t (Typ / Type / Tipo 63)*	5	11	650 kg
	38.1 t (Typ / Type / Tipo 40)*	3	7	550 kg
	38.1 t (Typ / Type / Tipo 40)	3	7	550 kg
	16.5 t (Typ / Type / Tipo 20)	1	3	300 kg
	5.6 t (Typ / Type / Tipo 6)	—	1	150 kg

* Doppelhaken

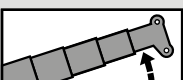
* Rams horn

* Moufle avec crochet marin

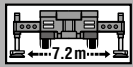
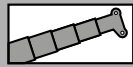
* Gancho doble



	1	2	3	4	5	6	7	8	9	10	11	12	R1	R2	
 385/95 R 25 (14.00 R 25)	3	4	5	7	9	11	15	19	24	31	40	51	4	5	70%
km/h	6	7	9	12	15	19	26	33	42	54	69	85	6	8	
 445/95 R 25 (16.00 R 25)	4	5	6	8	10	12	16	21	27	34	43	56	4	5	62%
km/h	6	8	10	13	16	21	28	36	46	59	75	85	7	8	

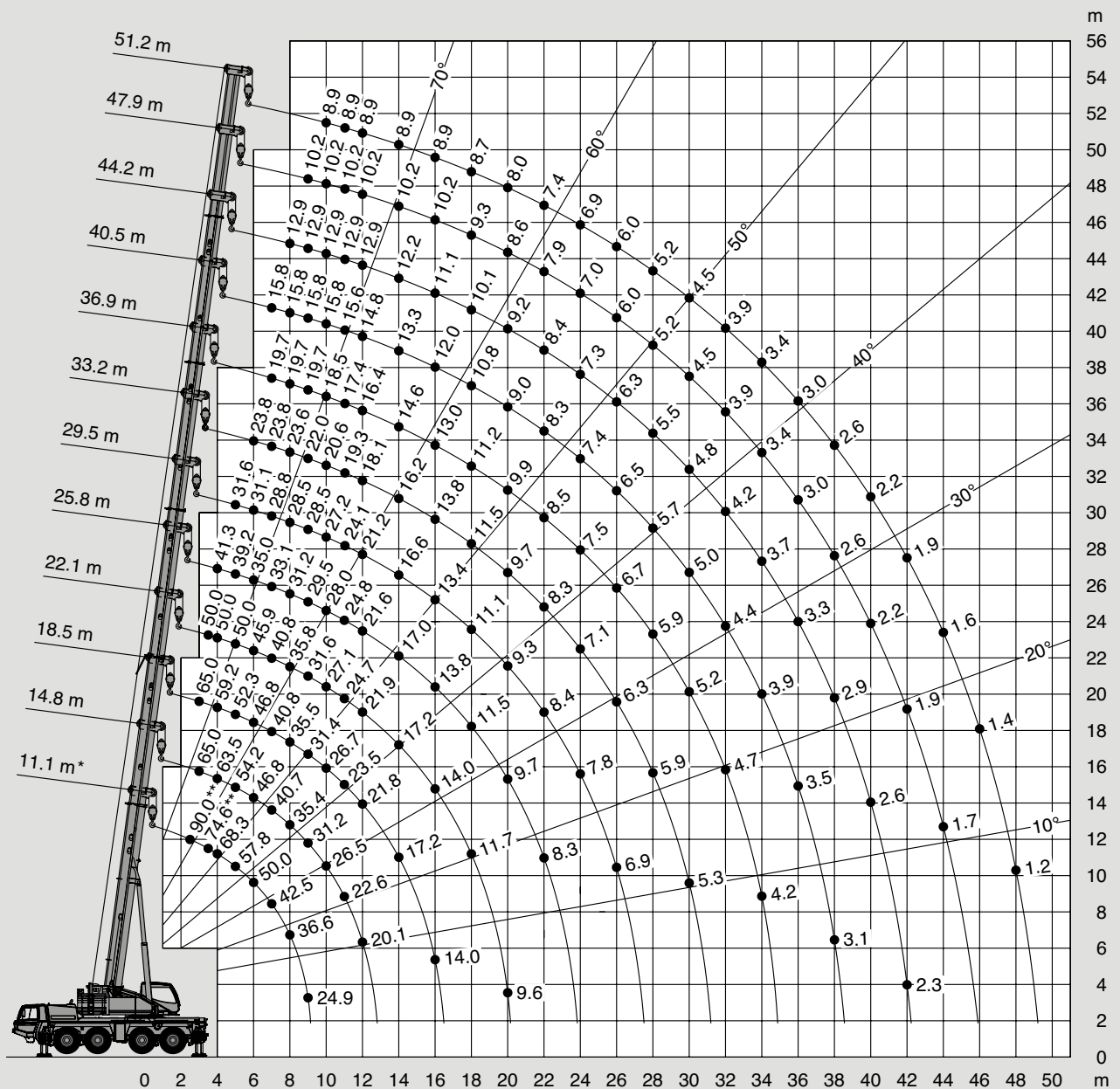
	Stufenlos Infinitely variable Progressivement variable Infinitamente variable	Seil Rope Câble Cable	Max. Seilzug Max. single line pull Effort maxi au brin simple Trio máximo por ramal
	0 - 115 m/min für einfachen Strang single line au brin simple ramal simple	18 mm / 230 m	55 kN
	0 - 115 m/min für einfachen Strang single line au brin simple ramal simple	18 mm / 230 m	55 kN
	0 - 2 min ⁻¹		
	- 1° – + 82.4° ca. 35 s approx. 35 s env. 35 s aproximadamente 35 s		
	11.1 m – 51.2 m ca. 310 s approx. 310 s env. 310 s aproximadamente 310 s		

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación

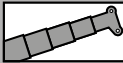
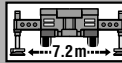


22.3t

DIN/ISO/EN



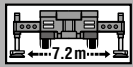
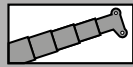
Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

   22.3t DIN/ISO/EN													
 m	11.1 m*	11.1 m	14.8 m	18.5 m	22.1 m	25.8 m	29.5 m	33.2 m	36.9 m	40.5 m	44.2 m	47.9 m	51.2 m
2.5	90.0**												
3.0	81.6**	76.1**	65.0	65.0									
3.5	74.6**	70.1	65.0	63.2	50.0								
4.0	68.3	64.2	63.5	59.2	50.0	41.3							
4.5	62.6	59.1	58.7	55.6	50.0	40.9							
5.0	57.8	54.6	54.2	52.3	50.0	39.2	31.6						
6.0	50.0	47.3	46.8	46.8	45.9	35.0	31.1	23.8					
7.0	42.5	41.2	40.7	40.8	40.8	33.1	28.8	23.8	19.7	15.8			
8.0	36.6	35.4	35.4	35.5	35.8	31.2	28.5	23.6	19.7	15.8	12.9		
9.0	24.9	24.0	31.2	31.4	31.6	29.5	28.5	22.0	19.7	15.8	12.9	10.2	
10.0			26.5	26.7	27.1	28.0	27.2	20.6	18.5	15.8	12.9	10.2	8.9
11.0			22.6	23.5	24.7	24.8	24.1	19.3	17.4	15.6	12.9	10.2	8.9
12.0			20.1	21.8	21.9	21.6	21.2	18.1	16.4	14.8	12.9	10.2	8.9
14.0				17.2	17.2	17.0	16.6	16.2	14.6	13.3	12.2	10.2	8.9
16.0				14.0	14.0	13.8	13.4	13.8	13.0	12.0	11.1	10.2	8.9
18.0					11.7	11.5	11.1	11.5	11.2	10.8	10.1	9.3	8.7
20.0					9.6	9.7	9.3	9.7	9.9	9.0	9.2	8.6	8.0
22.0						8.3	8.4	8.3	8.5	8.3	8.4	7.9	7.4
24.0							7.8	7.1	7.5	7.4	7.3	7.0	6.9
26.0							6.9	6.3	6.7	6.5	6.3	6.0	6.0
28.0								5.9	5.9	5.7	5.5	5.2	5.2
30.0								5.3	5.2	5.0	4.8	4.5	4.5
32.0									4.7	4.4	4.2	3.9	3.9
34.0									4.2	3.9	3.7	3.4	3.4
36.0										3.5	3.3	3.0	3.0
38.0										3.1	2.9	2.6	2.6
40.0											2.6	2.2	2.2
42.0											2.3	1.9	1.9
44.0												1.7	1.6
46.0													1.4
48.0													1.2

* Nach hinten / * Over rear / * A l'arrière / * Sobre la parte trasera

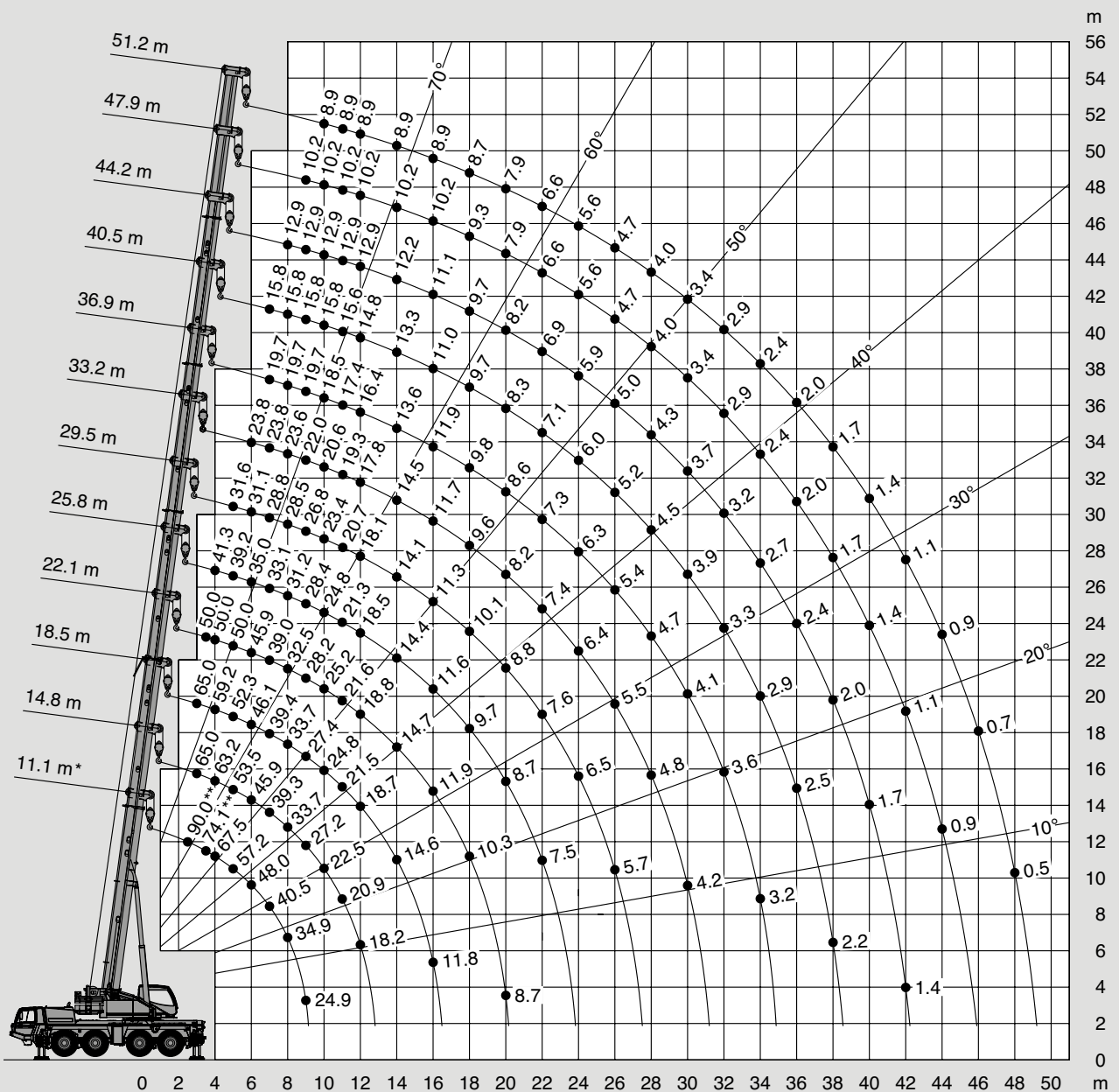
** Mit Zusatzhubausrüstung / ** With additional lifting equipment / ** Avec équipement supplémentaire / ** Con equipo adicional

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación

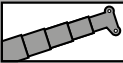
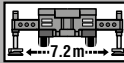


16.5t

DIN/ISO/EN



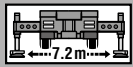
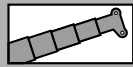
Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

   16.5t DIN/ISO/EN													
 m	11.1 m*	11.1 m	14.8 m	18.5 m	22.1 m	25.8 m	29.5 m	33.2 m	36.9 m	40.5 m	44.2 m	47.9 m	51.2 m
2.5	90.0**												
3.0	81.6**	76.5**	65.0	65.0									
3.5	74.1**	69.6	65.0	63.2	50.0								
4.0	67.5	63.7	63.2	59.2	50.0	41.3							
4.5	61.9	58.5	58.0	55.6	50.0	40.9							
5.0	57.2	54.0	53.5	52.3	50.0	39.2	31.6						
6.0	48.0	46.5	45.9	46.1	45.9	35.0	31.1	23.8					
7.0	40.5	39.8	39.3	39.4	39.0	33.1	28.8	23.8	19.7	15.8			
8.0	34.9	34.7	33.7	33.7	32.5	31.2	28.5	23.6	19.7	15.8	12.9		
9.0	24.9	24.0	27.2	27.4	28.2	28.4	26.8	22.0	19.7	15.8	12.9	10.2	
10.0			22.5	24.8	25.2	24.8	23.4	20.6	18.5	15.8	12.9	10.2	8.9
11.0			20.9	21.5	21.6	21.3	20.7	19.3	17.4	15.6	12.9	10.2	8.9
12.0			18.2	18.7	18.8	18.5	18.1	17.8	16.4	14.8	12.9	10.2	8.9
14.0				14.6	14.7	14.4	14.1	14.5	13.6	13.3	12.2	10.2	8.9
16.0				11.8	11.9	11.6	11.3	11.7	11.9	11.0	11.1	10.2	8.9
18.0					10.3	9.7	10.1	9.6	9.8	9.7	9.7	9.3	8.7
20.0					8.7	8.7	8.8	8.2	8.6	8.3	8.2	7.9	7.9
22.0						7.5	7.6	7.4	7.3	7.1	6.9	6.6	6.6
24.0							6.5	6.4	6.3	6.0	5.9	5.6	5.6
26.0							5.7	5.5	5.4	5.2	5.0	4.7	4.7
28.0								4.8	4.7	4.5	4.3	4.0	4.0
30.0								4.2	4.1	3.9	3.7	3.4	3.4
32.0									3.6	3.3	3.2	2.9	2.9
34.0									3.2	2.9	2.7	2.4	2.4
36.0										2.5	2.4	2.0	2.0
38.0										2.2	2.0	1.7	1.7
40.0											1.7	1.4	1.4
42.0											1.4	1.1	1.1
44.0												0.9	0.9
46.0													0.7
48.0													0.5

* Nach hinten / * Over rear / * A l'arrière / * Sobre la parte trasera

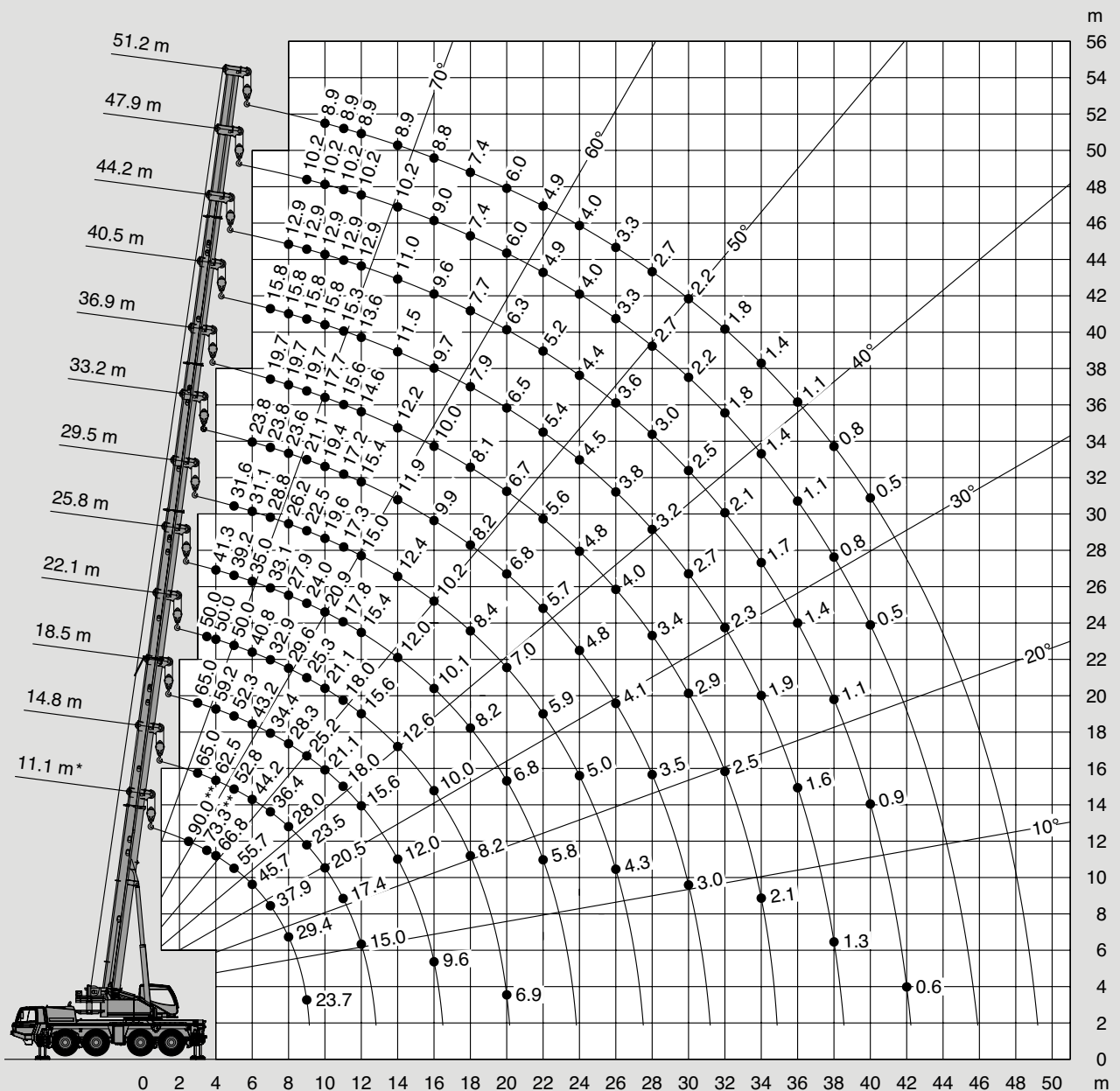
** Mit Zusatzhubausrüstung / ** With additional lifting equipment / ** Avec équipement supplémentaire / ** Con equipo adicional

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación

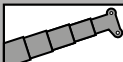
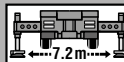


10.6t

DIN/ISO/EN

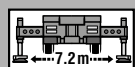


Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

   10.6t DIN/ISO/EN													
 m	11.1 m*	11.1 m	14.8 m	18.5 m	22.1 m	25.8 m	29.5 m	33.2 m	36.9 m	40.5 m	44.2 m	47.9 m	51.2 m
2.5	90.0**												
3.0	81.1**	76.0**	65.0	65.0									
3.5	73.3**	69.0	65.0	63.2	50.0								
4.0	66.8	63.0	62.5	59.2	50.0	41.3							
4.5	61.3	57.8	57.3	55.6	50.0	40.9							
5.0	55.7	53.3	52.8	52.3	50.0	39.2	31.6						
6.0	45.7	44.8	44.2	43.2	40.8	35.0	31.1	23.8					
7.0	37.9	37.5	36.4	34.4	32.9	33.1	28.8	23.8	19.7	15.8			
8.0	29.4	29.0	28.0	28.3	29.6	27.9	26.2	23.6	19.7	15.8	12.9		
9.0	23.7	23.4	23.5	25.2	25.3	24.0	22.5	21.1	19.7	15.8	12.9	10.2	
10.0			20.5	21.1	21.1	20.9	19.6	19.4	17.7	15.8	12.9	10.2	8.9
11.0			17.4	18.0	18.0	17.8	17.3	17.2	15.6	15.3	12.9	10.2	8.9
12.0			15.0	15.6	15.6	15.4	15.0	15.4	14.6	13.6	12.9	10.2	8.9
14.0				12.0	12.6	12.0	12.4	11.9	12.2	11.5	11.0	10.2	8.9
16.0				9.6	10.0	10.1	10.2	9.9	10.0	9.7	9.6	9.0	8.8
18.0					8.2	8.2	8.4	8.2	8.1	7.9	7.7	7.4	7.4
20.0					6.9	6.8	7.0	6.8	6.7	6.5	6.3	6.0	6.0
22.0						5.8	5.9	5.7	5.6	5.4	5.2	4.9	4.9
24.0							5.0	4.8	4.8	4.5	4.4	4.0	4.0
26.0							4.3	4.1	4.0	3.8	3.6	3.3	3.3
28.0								3.5	3.4	3.2	3.0	2.7	2.7
30.0								3.0	2.9	2.7	2.5	2.2	2.2
32.0									2.5	2.3	2.1	1.8	1.8
34.0									2.1	1.9	1.7	1.4	1.4
36.0										1.6	1.4	1.1	1.1
38.0										1.3	1.1	0.8	0.8
40.0											0.9	0.5	0.5
42.0											0.6		
44.0													
46.0													
48.0													

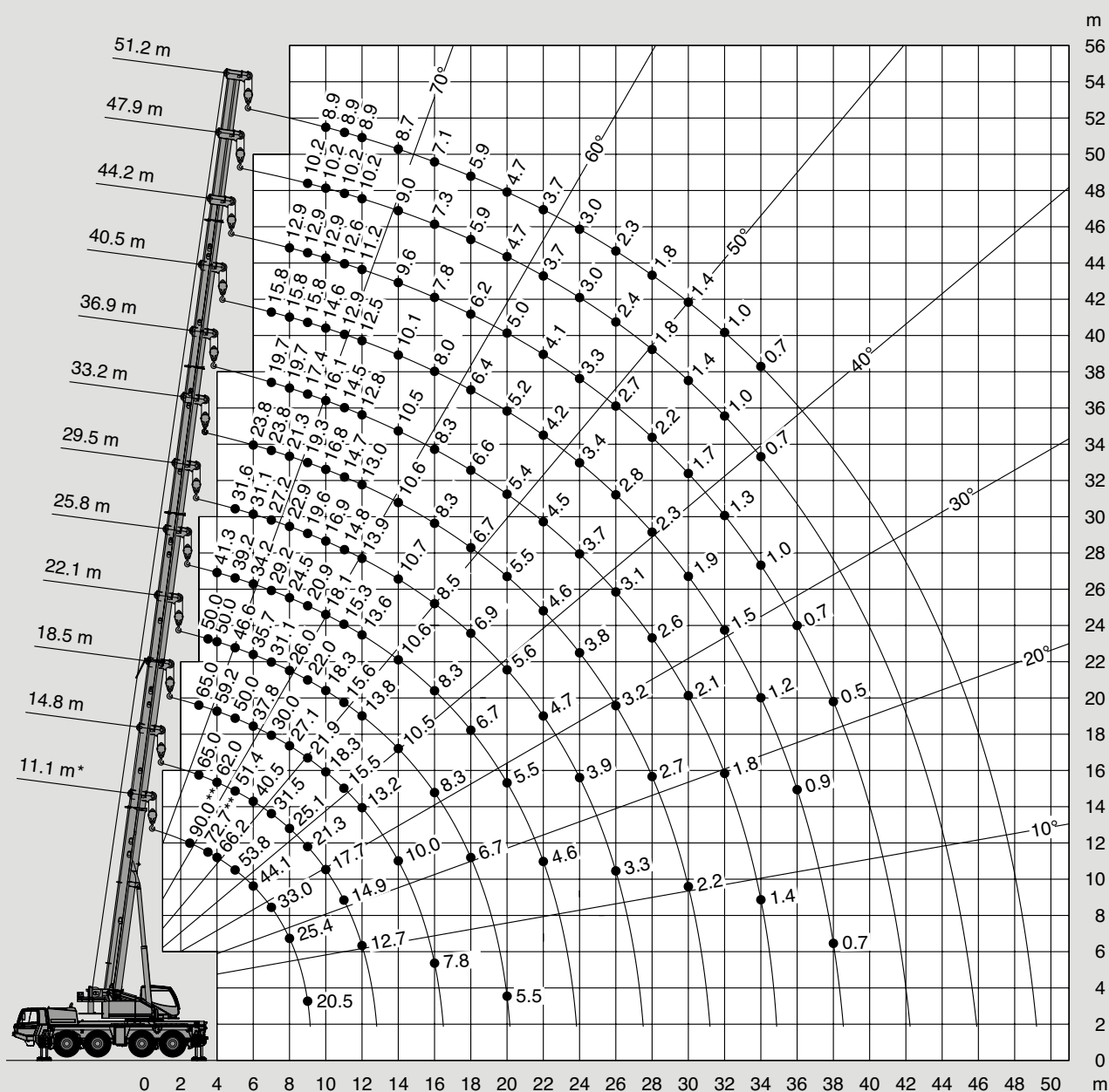
* Nach hinten / * Over rear / * A l'arrière / * Sobre la parte trasera

** Mit Zusatzhubausrüstung / ** With additional lifting equipment / ** Avec équipement supplémentaire / ** Con equipo adicional

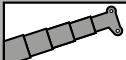
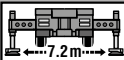


6.5t

DIN/ISO/EN



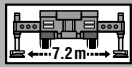
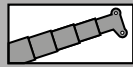
Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

   6.5t DIN/ISO/EN													
 m	11.1 m*	11.1 m	14.8 m	18.5 m	22.1 m	25.8 m	29.5 m	33.2 m	36.9 m	40.5 m	44.2 m	47.9 m	51.2 m
2.5	90.0**												
3.0	80.4**	75.6**	65.0	65.0									
3.5	72.7**	68.5	65.0	63.2	50.0								
4.0	66.2	62.4	62.0	59.2	50.0	41.3							
4.5	60.3	57.2	56.7	55.6	50.0	40.9							
5.0	53.8	52.0	51.4	50.0	46.6	39.2	31.6						
6.0	44.1	43.5	40.5	37.8	35.7	34.2	31.1	23.8					
7.0	33.0	32.6	31.5	30.0	31.1	29.2	27.2	23.8	19.7	15.8			
8.0	25.4	25.1	25.1	27.1	26.0	24.5	22.9	21.3	19.7	15.8	12.9		
9.0	20.5	20.1	21.3	21.9	22.0	20.9	19.6	19.3	17.4	15.8	12.9	10.2	
10.0			17.7	18.3	18.3	18.1	16.9	16.8	16.1	14.6	12.9	10.2	8.9
11.0			14.9	15.5	15.6	15.3	14.8	14.7	14.5	12.9	12.6	10.2	8.9
12.0			12.7	13.2	13.8	13.6	13.9	13.0	12.8	12.5	11.2	10.2	8.9
14.0				10.0	10.5	10.6	10.7	10.6	10.5	10.1	9.6	9.0	8.7
16.0				7.8	8.3	8.3	8.5	8.3	8.3	8.0	7.8	7.3	7.1
18.0					6.7	6.7	6.9	6.7	6.6	6.4	6.2	5.9	5.9
20.0					5.5	5.5	5.6	5.5	5.4	5.2	5.0	4.7	4.7
22.0						4.6	4.7	4.6	4.5	4.2	4.1	3.7	3.7
24.0							3.9	3.8	3.7	3.4	3.3	3.0	3.0
26.0							3.3	3.2	3.1	2.8	2.7	2.4	2.3
28.0								2.7	2.6	2.3	2.2	1.8	1.8
30.0								2.2	2.1	1.9	1.7	1.4	1.4
32.0									1.8	1.5	1.3	1.0	1.0
34.0									1.4	1.2	1.0	0.7	0.7
36.0										0.9	0.7		
38.0										0.7	0.5		
40.0													
42.0													
44.0													
46.0													
48.0													

* Nach hinten / * Over rear / * A l'arrière / * Sobre la parte trasera

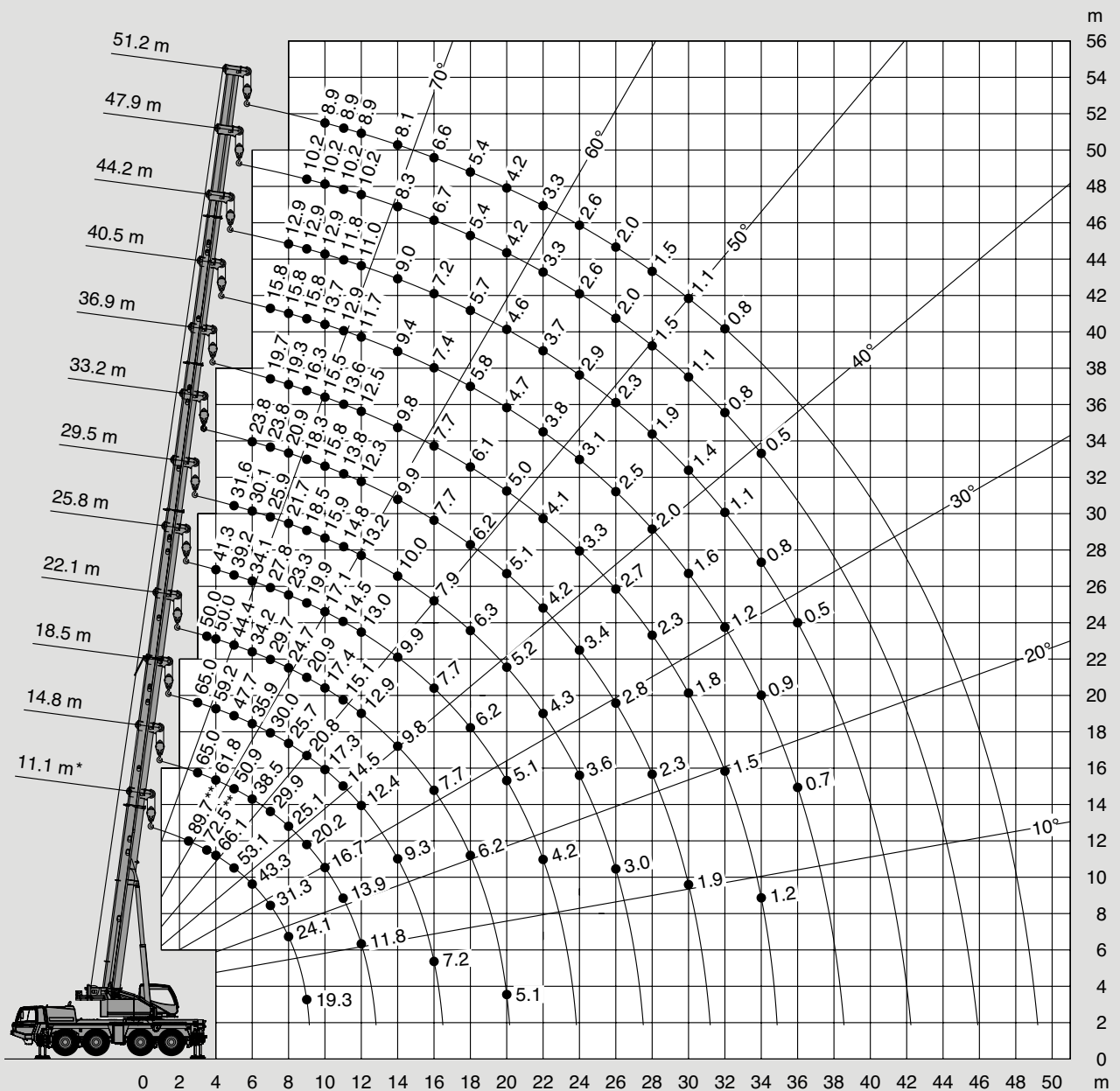
** Mit Zusatzhubausrüstung / ** With additional lifting equipment / ** Avec équipement supplémentaire / ** Con equipo adicional

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación

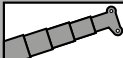
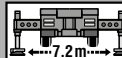


5.5t

DIN/ISO/EN



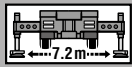
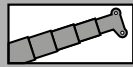
Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

   5.5t DIN/ISO/EN													
 m	11.1 m*	11.1 m	14.8 m	18.5 m	22.1 m	25.8 m	29.5 m	33.2 m	36.9 m	40.5 m	44.2 m	47.9 m	51.2 m
2.5	89.7**												
3.0	80.3**	75.4**	65.0	65.0									
3.5	72.5**	68.3	65.0	63.2	50.0								
4.0	66.1	62.3	61.8	59.2	50.0	41.3							
4.5	59.5	56.8	56.3	55.1	50.0	40.9							
5.0	53.1	51.5	50.9	47.7	44.4	39.2	31.6						
6.0	43.3	42.8	38.5	35.9	34.2	34.1	30.1	23.8					
7.0	31.3	30.9	29.9	30.0	29.7	27.8	25.9	23.8	19.7	15.8			
8.0	24.1	23.8	25.1	25.7	24.7	23.3	21.7	20.9	19.3	15.8	12.9		
9.0	19.3	19.0	20.2	20.8	20.9	19.9	18.5	18.3	16.3	15.8	12.9	10.2	
10.0			16.7	17.3	17.4	17.1	15.9	15.8	15.5	13.7	12.9	10.2	8.9
11.0			13.9	14.5	15.1	14.5	14.8	13.8	13.6	12.9	11.8	10.2	8.9
12.0			11.8	12.4	12.9	13.0	13.2	12.3	12.5	11.7	11.0	10.2	8.9
14.0				9.3	9.8	9.9	10.0	9.9	9.8	9.4	9.0	8.3	8.1
16.0				7.2	7.7	7.7	7.9	7.7	7.7	7.4	7.2	6.7	6.6
18.0					6.2	6.2	6.3	6.2	6.1	5.8	5.7	5.4	5.4
20.0					5.1	5.1	5.2	5.1	5.0	4.7	4.6	4.2	4.2
22.0						4.2	4.3	4.2	4.1	3.8	3.7	3.3	3.3
24.0							3.6	3.4	3.3	3.1	2.9	2.6	2.6
26.0							3.0	2.8	2.7	2.5	2.3	2.0	2.0
28.0								2.3	2.3	2.0	1.9	1.5	1.5
30.0								1.9	1.8	1.6	1.4	1.1	1.1
32.0									1.5	1.2	1.1	0.8	0.8
34.0									1.2	0.9	0.8	0.5	
36.0										0.7	0.5		
38.0													
40.0													
42.0													
44.0													
46.0													
48.0													

* Nach hinten / * Over rear / * A l'arrière / * Sobre la parte trasera

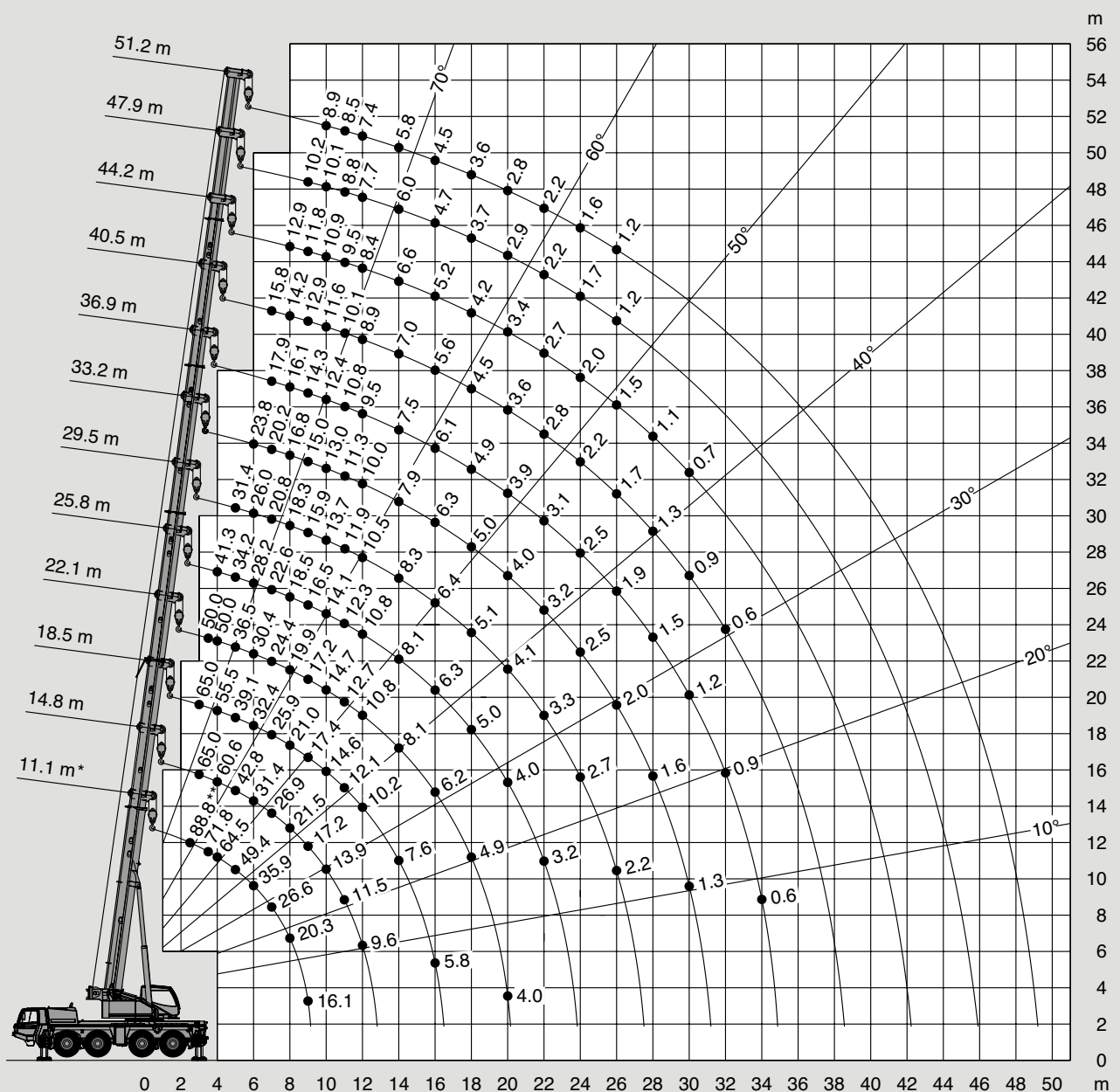
** Mit Zusatzhubausrüstung / ** With additional lifting equipment / ** Avec équipement supplémentaire / ** Con equipo adicional

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación

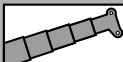
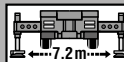


0t

DIN/ISO/EN



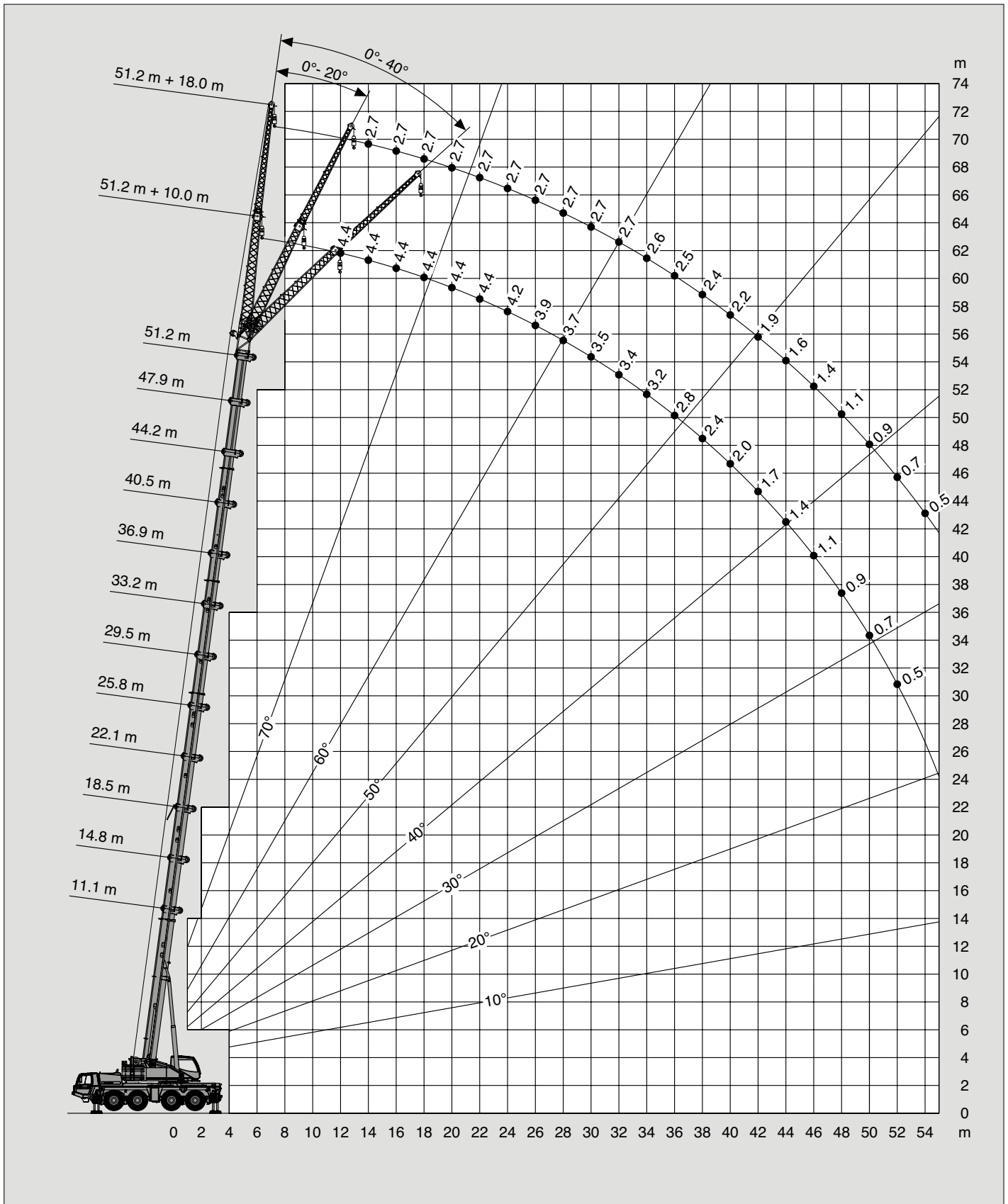
Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

   0t DIN/ISO/EN													
 m	11.1 m*	11.1 m	14.8 m	18.5 m	22.1 m	25.8 m	29.5 m	33.2 m	36.9 m	40.5 m	44.2 m	47.9 m	51.2 m
2.5	88.8**												
3.0	79.4**	74.7**	65.0	65.0									
3.5	71.8	67.5	65.0	63.2	50.0								
4.0	64.5	61.2	60.6	55.5	50.0	41.3							
4.5	56.9	54.9	51.6	46.6	42.9	38.5							
5.0	49.4	49.4	42.8	39.1	36.5	34.2	31.4						
6.0	35.9	35.9	31.4	32.4	30.4	28.2	26.0	23.8					
7.0	26.6	26.5	26.9	25.9	24.4	22.6	20.8	20.2	17.9	15.8			
8.0	20.3	20.2	21.5	21.0	19.9	18.5	18.3	16.8	16.1	14.2	12.9		
9.0	16.1	15.9	17.2	17.4	17.2	16.5	15.9	15.0	14.3	12.9	11.8	10.2	
10.0			13.9	14.6	14.7	14.1	13.7	13.0	12.4	11.6	10.9	10.1	8.9
11.0			11.5	12.1	12.7	12.3	11.9	11.3	10.8	10.1	9.5	8.8	8.5
12.0			9.6	10.2	10.8	10.8	10.5	10.0	9.5	8.9	8.4	7.7	7.4
14.0				7.6	8.1	8.1	8.3	7.9	7.5	7.0	6.6	6.0	5.8
16.0				5.8	6.2	6.3	6.4	6.3	6.1	5.6	5.2	4.7	4.5
18.0					4.9	5.0	5.1	5.0	4.9	4.5	4.2	3.7	3.6
20.0					4.0	4.0	4.1	4.0	3.9	3.6	3.4	2.9	2.8
22.0						3.2	3.3	3.2	3.1	2.8	2.7	2.2	2.2
24.0							2.7	2.5	2.5	2.2	2.0	1.7	1.6
26.0							2.2	2.0	1.9	1.7	1.5	1.2	1.2
28.0								1.6	1.5	1.3	1.1		
30.0								1.3	1.2	0.9	0.7		
32.0									0.9	0.6			
34.0									0.6				
36.0													
38.0													
40.0													
42.0													
44.0													
46.0													
48.0													

* Nach hinten / * Over rear / * A l'arrière / * Sobre la parte trasera

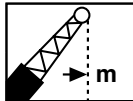
** Mit Zusatzhubausrüstung / ** With additional lifting equipment / ** Avec équipement supplémentaire / ** Con equipo adicional

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación

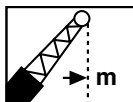


Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

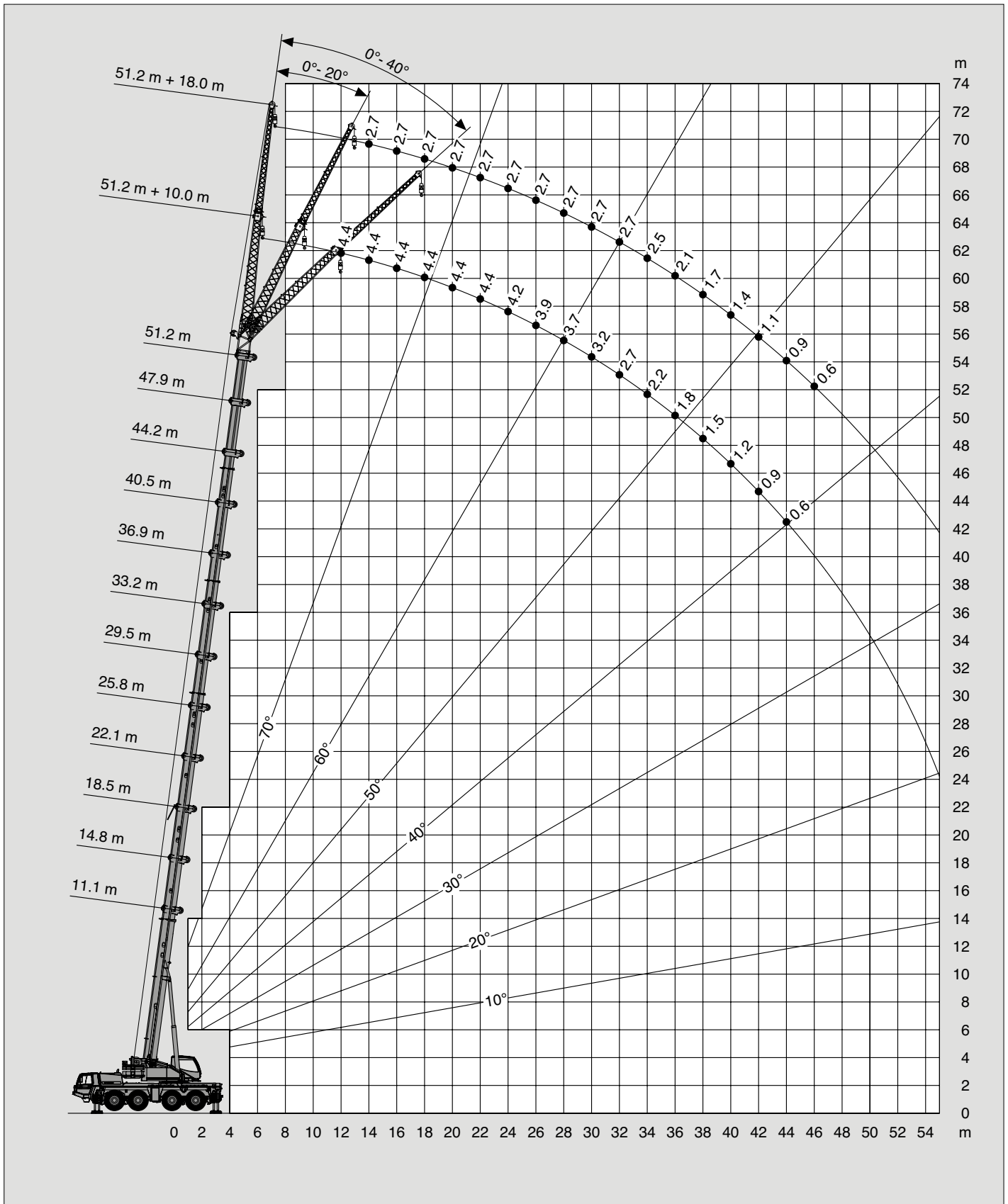


 m	11.1 m + 10.0 m			33.2 m + 10.0 m			47.9 m + 10.0 m			51.2 m + 10.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	12.2*											
3.5	12.2*											
4.0	12.2*											
4.5	12.2*											
5.0	12.2*	12.2*										
6.0	12.2*	11.5*										
7.0	12.2*	10.8		10.1								
8.0	12.2*	10.2	7.4	10.1								
9.0	12.1*	9.6	7.1	10.1								
10.0	11.3*	9.0	6.7	10.1	8.9							
11.0	10.4	8.5	6.4	10.1	8.6		4.9					
12.0	9.6	8.0	6.2	9.9	8.3		4.9			4.4		
14.0	8.1	7.1	5.8	9.1	7.7	6.7	4.9			4.4		
16.0	7.0	6.5		8.5	7.1	6.3	4.9	4.9		4.4	4.4	
18.0				7.9	6.7	6.0	4.9	4.8	4.5	4.4	4.4	
20.0				7.4	6.3	5.7	4.9	4.5	4.3	4.4	4.2	4.0
22.0				6.9	6.0	5.5	4.8	4.3	4.1	4.4	4.0	3.8
24.0				6.5	5.7	5.2	4.5	4.1	3.9	4.2	3.9	3.7
26.0				5.7	5.5	5.1	4.3	4.0	3.8	3.9	3.7	3.5
28.0				4.9	5.2	4.9	4.0	3.8	3.6	3.7	3.6	3.4
30.0				4.2	4.5	4.7	3.8	3.7	3.5	3.5	3.4	3.3
32.0				3.6	3.9	4.0	3.6	3.5	3.4	3.4	3.3	3.2
34.0				3.1	3.3		3.3	3.4	3.3	3.2	3.1	3.1
36.0				2.7	2.9		2.8	3.1	3.2	2.8	3.0	3.0
38.0				2.3	2.4		2.4	2.6	2.8	2.4	2.6	2.8
40.0				2.0			2.1	2.3	2.4	2.0	2.2	2.4
42.0							1.8	1.9	2.0	1.7	1.9	2.0
44.0							1.5	1.6	1.7	1.4	1.6	1.7
46.0							1.2	1.3		1.1	1.3	1.4
48.0							1.0	1.1		0.9	1.1	
50.0							0.8	0.9		0.7	0.8	
52.0							0.6	0.6		0.5	0.6	

* Mit Zusatzhubausrüstung / * With additional lifting equipment / * Avec équipement supplémentaire / * Con equipo adicional

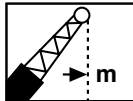
 m	11.1 m + 18.0 m			33.2 m + 18.0 m			47.9 m + 18.0 m			51.2 m + 18.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0												
3.5	5.8											
4.0	5.8											
4.5	5.8											
5.0	5.8											
6.0	5.8											
7.0	5.8											
8.0	5.8			4.2								
9.0	5.8			4.2								
10.0	5.8	5.3		4.2								
11.0	5.8	5.0		4.2								
12.0	5.7	4.8		4.2			2.9					
14.0	5.2	4.4		4.2			2.9			2.7		
16.0	4.7	4.1	3.2	4.2	4.2		2.9			2.7		
18.0	4.2	3.7	3.0	4.2	4.1		2.9			2.7		
20.0	3.7	3.4	2.8	4.2	3.9	3.2	2.9	2.9		2.7		
22.0	3.3	3.1	2.6	4.2	3.8	3.1	2.9	2.9		2.7	2.7	
24.0	3.0	2.9	2.5	4.2	3.6	3.0	2.9	2.9		2.7	2.7	
26.0	2.7	2.8		4.2	3.5	2.9	2.9	2.9	2.8	2.7	2.7	2.6
28.0				4.1	3.4	2.8	2.9	2.8	2.6	2.7	2.7	2.5
30.0				3.9	3.3	2.7	2.9	2.7	2.6	2.7	2.6	2.4
32.0				3.8	3.2	2.6	2.9	2.6	2.5	2.7	2.5	2.3
34.0				3.6	3.1	2.6	2.8	2.5	2.4	2.6	2.4	2.3
36.0				3.2	3.0	2.5	2.7	2.4	2.3	2.5	2.3	2.2
38.0				2.8	2.9	2.5	2.6	2.4	2.2	2.4	2.2	2.1
40.0				2.4	2.7	2.5	2.3	2.3	2.2	2.2	2.2	2.0
42.0				2.1	2.4		2.0	2.2	2.1	1.9	2.1	1.9
44.0				1.8	2.0		1.7	2.0	2.1	1.6	2.0	1.9
46.0				1.6	1.7		1.4	1.8	2.0	1.4	1.7	1.6
48.0				1.4			1.2	1.5	1.7	1.1	1.4	1.4
50.0							1.0	1.2	1.4	0.9	1.2	1.1
52.0							0.8	1.0	1.1	0.7	1.0	0.9
54.0							0.6	0.8		0.5	0.7	
56.0								0.6			0.6	

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación



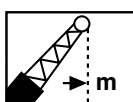
Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación



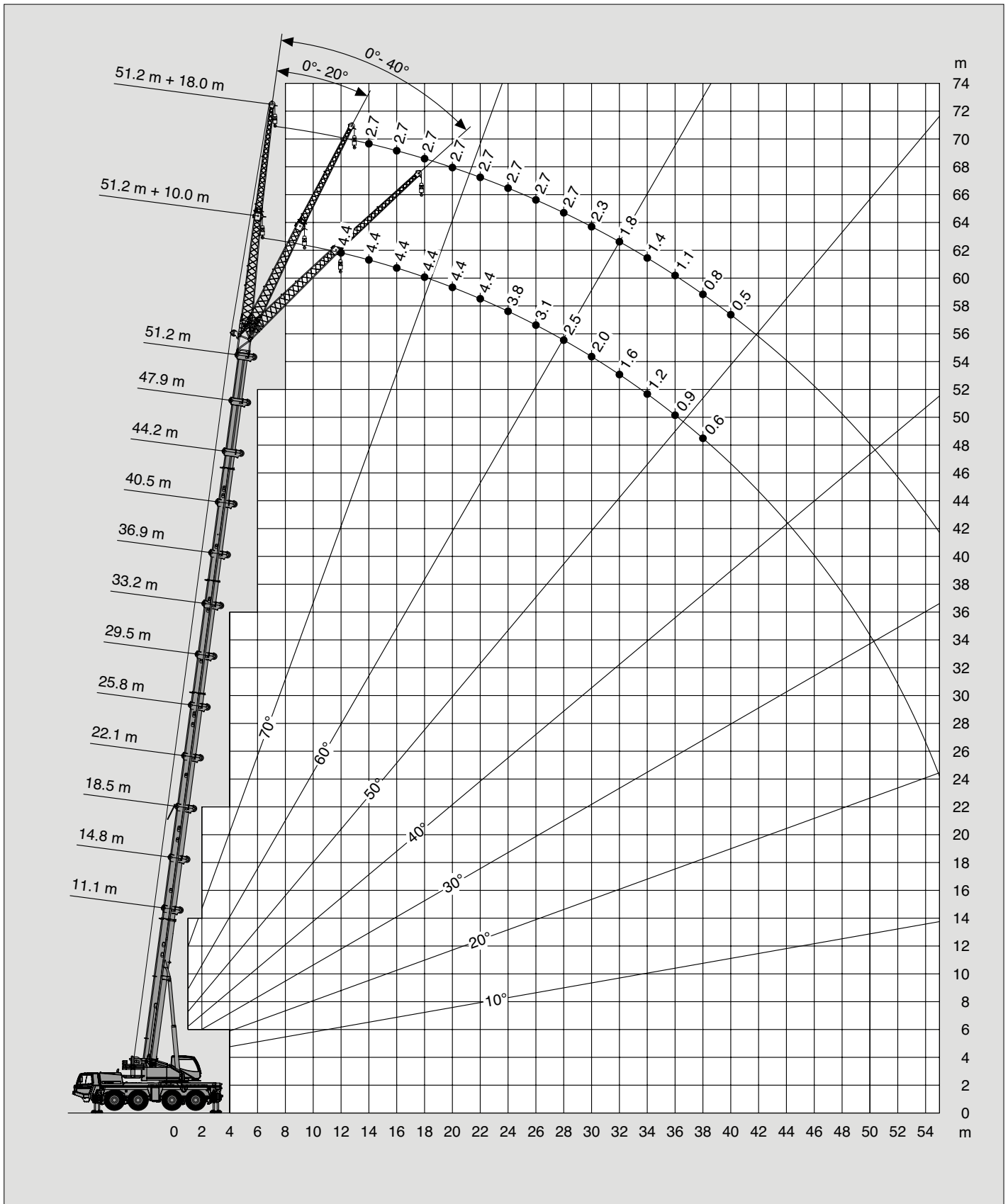
 m	11.1 m + 10.0 m			33.2 m + 10.0 m			47.9 m + 10.0 m			51.2 m + 10.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	12.2*											
3.5	12.2*											
4.0	12.2*											
4.5	12.2*											
5.0	12.2*	12.2*										
6.0	12.2*	11.5*										
7.0	12.2*	10.8		10.1								
8.0	12.2*	10.2	7.4	10.1								
9.0	12.1*	9.6	7.1	10.1								
10.0	11.3*	9.0	6.7	10.1	8.9							
11.0	10.4	8.5	6.4	10.1	8.6		4.9					
12.0	9.6	8.0	6.2	9.9	8.3		4.9			4.4		
14.0	8.1	7.1	5.8	9.1	7.7	6.7	4.9			4.4		
16.0	7.0	6.5		8.5	7.1	6.3	4.9	4.9		4.4	4.4	
18.0				7.9	6.7	6.0	4.9	4.8	4.5	4.4	4.4	
20.0				7.4	6.3	5.7	4.9	4.5	4.3	4.4	4.2	4.0
22.0				6.3	6.0	5.5	4.8	4.3	4.1	4.4	4.0	3.8
24.0				5.2	5.7	5.2	4.5	4.1	3.9	4.2	3.9	3.7
26.0				4.4	4.8	5.1	4.3	4.0	3.8	3.9	3.7	3.5
28.0				3.7	4.0	4.2	3.9	3.8	3.6	3.7	3.6	3.4
30.0				3.1	3.4	3.6	3.2	3.6	3.5	3.2	3.4	3.3
32.0				2.6	2.8	3.0	2.7	3.0	3.3	2.7	3.0	3.2
34.0				2.1	2.3		2.3	2.6	2.8	2.2	2.5	2.7
36.0				1.8	1.9		1.9	2.1	2.3	1.8	2.1	2.3
38.0				1.4	1.5		1.5	1.8	1.9	1.5	1.7	1.9
40.0				1.1			1.2	1.4	1.6	1.2	1.4	1.5
42.0							0.9	1.1	1.2	0.9	1.1	1.2
44.0							0.7	0.9	0.9	0.6	0.8	0.9
46.0							0.5	0.6			0.6	0.7

* Mit Zusatzhubausrüstung / * With additional lifting equipment / * Avec équipement supplémentaire / * Con equipo adicional



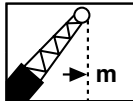
 m	11.1 m + 18.0 m			33.2 m + 18.0 m			47.9 m + 18.0 m			51.2 m + 18.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0												
3.5	5.8											
4.0	5.8											
4.5	5.8											
5.0	5.8											
6.0	5.8											
7.0	5.8											
8.0	5.8			4.2								
9.0	5.8			4.2								
10.0	5.8	5.3		4.2								
11.0	5.8	5.0		4.2								
12.0	5.7	4.8		4.2			2.9					
14.0	5.2	4.4		4.2			2.9			2.7		
16.0	4.7	4.1	3.2	4.2	4.2		2.9			2.7		
18.0	4.2	3.7	3.0	4.2	4.1		2.9			2.7		
20.0	3.7	3.4	2.8	4.2	3.9	3.2	2.9	2.9		2.7		
22.0	3.3	3.1	2.6	4.2	3.8	3.1	2.9	2.9		2.7	2.7	
24.0	3.0	2.9	2.5	4.2	3.6	3.0	2.9	2.9		2.7	2.7	
26.0	2.7	2.8		4.2	3.5	2.9	2.9	2.9	2.8	2.7	2.7	2.6
28.0				4.1	3.4	2.8	2.9	2.8	2.6	2.7	2.7	2.5
30.0				3.6	3.3	2.7	2.9	2.7	2.6	2.7	2.6	2.4
32.0				3.1	3.2	2.6	2.9	2.6	2.5	2.7	2.5	2.3
34.0				2.7	3.1	2.6	2.5	2.5	2.4	2.5	2.4	2.3
36.0				2.3	2.7	2.5	2.1	2.4	2.3	2.1	2.3	2.2
38.0				1.9	2.3	2.5	1.8	2.2	2.2	1.7	2.2	2.1
40.0				1.6	1.9	2.1	1.5	1.9	2.2	1.4	1.8	2.1
42.0				1.3	1.6		1.2	1.6	1.8	1.1	1.5	1.8
44.0				1.1	1.3		0.9	1.3	1.5	0.9	1.2	1.5
46.0				0.8	1.0		0.7	1.0	1.2	0.6	1.0	1.2
48.0				0.7			0.5	0.8	1.0		0.7	0.9
50.0								0.6	0.7		0.5	0.7
52.0									0.5			0.5

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación



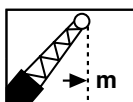
Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación



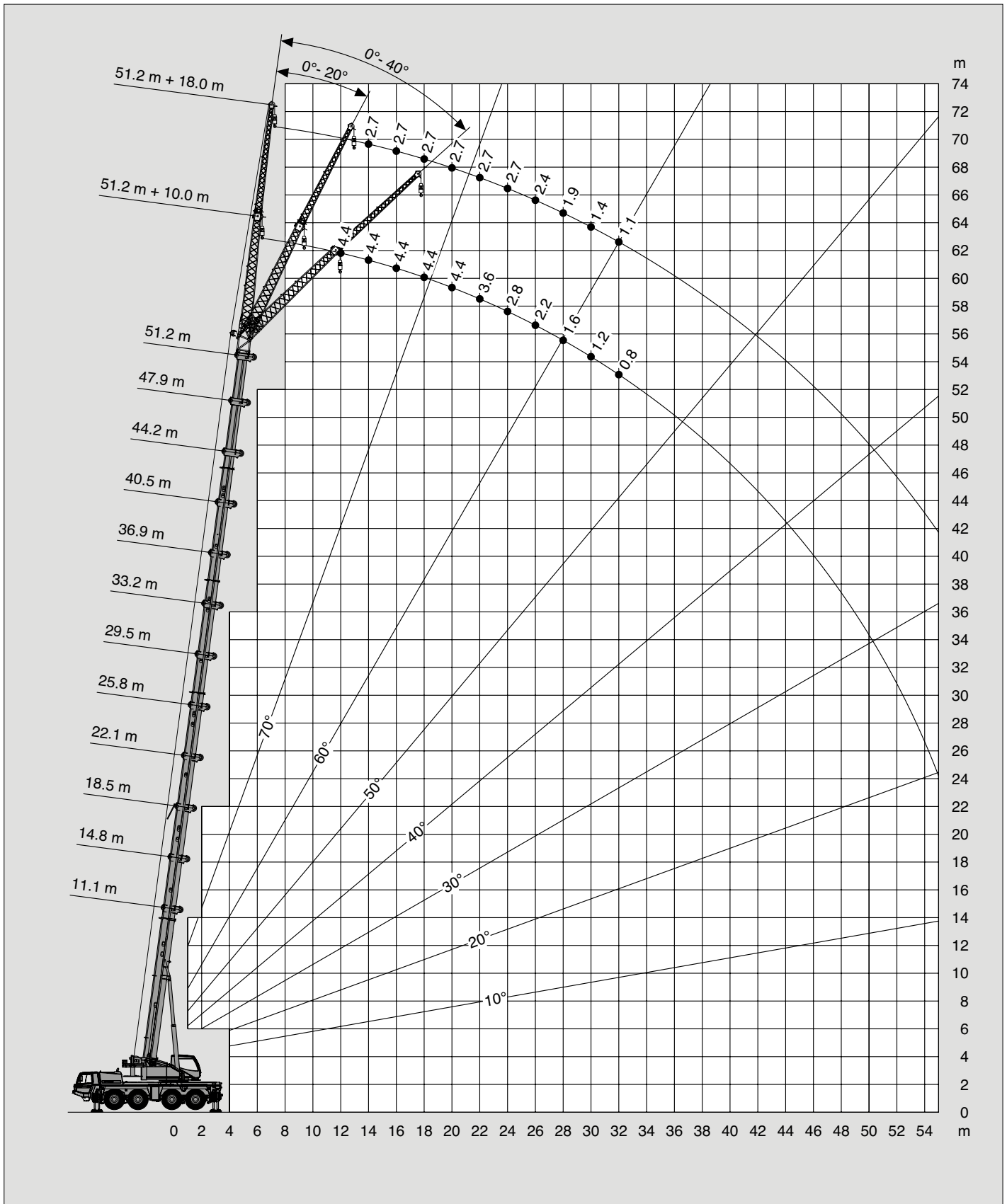
 m	11.1 m + 10.0 m			33.2 m + 10.0 m			47.9 m + 10.0 m			51.2 m + 10.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	12.2*											
3.5	12.2*											
4.0	12.2*											
4.5	12.2*											
5.0	12.2*	12.2*										
6.0	12.2*	11.5*										
7.0	12.2*	10.8		10.1								
8.0	12.2*	10.2	7.4	10.1								
9.0	12.1*	9.6	7.1	10.1								
10.0	11.3*	9.0	6.7	10.1	8.9							
11.0	10.4	8.5	6.4	10.1	8.6		4.9					
12.0	9.6	8.0	6.2	9.9	8.3		4.9			4.4		
14.0	8.1	7.1	5.8	9.1	7.7	6.7	4.9			4.4		
16.0	7.0	6.5		8.5	7.1	6.3	4.9	4.9		4.4	4.4	
18.0				7.0	6.7	6.0	4.9	4.8	4.5	4.4	4.4	
20.0				5.6	6.3	5.7	4.9	4.5	4.3	4.4	4.2	4.0
22.0				4.6	5.1	5.5	4.8	4.3	4.1	4.4	4.0	3.8
24.0				3.7	4.2	4.5	3.9	4.1	3.9	3.8	3.9	3.7
26.0				3.0	3.4	3.7	3.2	3.6	3.8	3.1	3.6	3.5
28.0				2.4	2.7	3.0	2.6	3.0	3.3	2.5	2.9	3.2
30.0				1.9	2.2	2.4	2.1	2.4	2.7	2.0	2.4	2.7
32.0				1.5	1.7	1.9	1.6	2.0	2.2	1.6	1.9	2.2
34.0				1.1	1.3		1.3	1.5	1.7	1.2	1.5	1.7
36.0				0.8	1.0		0.9	1.2	1.4	0.9	1.1	1.3
38.0				0.5	0.6		0.6	0.9	1.0	0.6	0.8	1.0
40.0								0.6	0.7		0.5	0.7

* Mit Zusatzhubausrüstung / * With additional lifting equipment / * Avec équipement supplémentaire / * Con equipo adicional

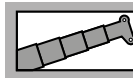
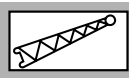
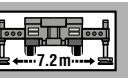
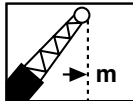


 m	11.1 m + 18.0 m			33.2 m + 18.0 m			47.9 m + 18.0 m			51.2 m + 18.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0												
3.5	5.8											
4.0	5.8											
4.5	5.8											
5.0	5.8											
6.0	5.8											
7.0	5.8											
8.0	5.8			4.2								
9.0	5.8			4.2								
10.0	5.8	5.3		4.2								
11.0	5.8	5.0		4.2								
12.0	5.7	4.8		4.2			2.9					
14.0	5.2	4.4		4.2			2.9			2.7		
16.0	4.7	4.1	3.2	4.2	4.2		2.9			2.7		
18.0	4.2	3.7	3.0	4.2	4.1		2.9			2.7		
20.0	3.7	3.4	2.8	4.2	3.9	3.2	2.9	2.9		2.7		
22.0	3.3	3.1	2.6	4.2	3.8	3.1	2.9	2.9		2.7	2.7	
24.0	3.0	2.9	2.5	4.2	3.6	3.0	2.9	2.9		2.7	2.7	
26.0	2.7	2.8		3.6	3.5	2.9	2.9	2.9	2.8	2.7	2.7	2.6
28.0				3.0	3.4	2.8	2.9	2.8	2.6	2.7	2.7	2.5
30.0				2.5	3.0	2.7	2.3	2.7	2.6	2.3	2.6	2.4
32.0				2.0	2.5	2.6	1.9	2.5	2.5	1.8	2.4	2.3
34.0				1.6	2.1	2.4	1.5	2.1	2.4	1.4	2.0	2.3
36.0				1.3	1.7	2.0	1.2	1.7	2.1	1.1	1.6	2.0
38.0				1.0	1.4	1.6	0.9	1.3	1.7	0.8	1.3	1.6
40.0				0.7	1.0	1.2	0.6	1.0	1.3	0.5	1.0	1.3
42.0				0.5	0.8			0.8	1.0		0.7	1.0
44.0					0.5			0.5	0.8			0.7
46.0									0.5			

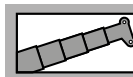
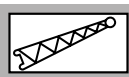
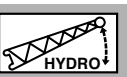
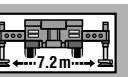
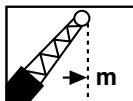
Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación



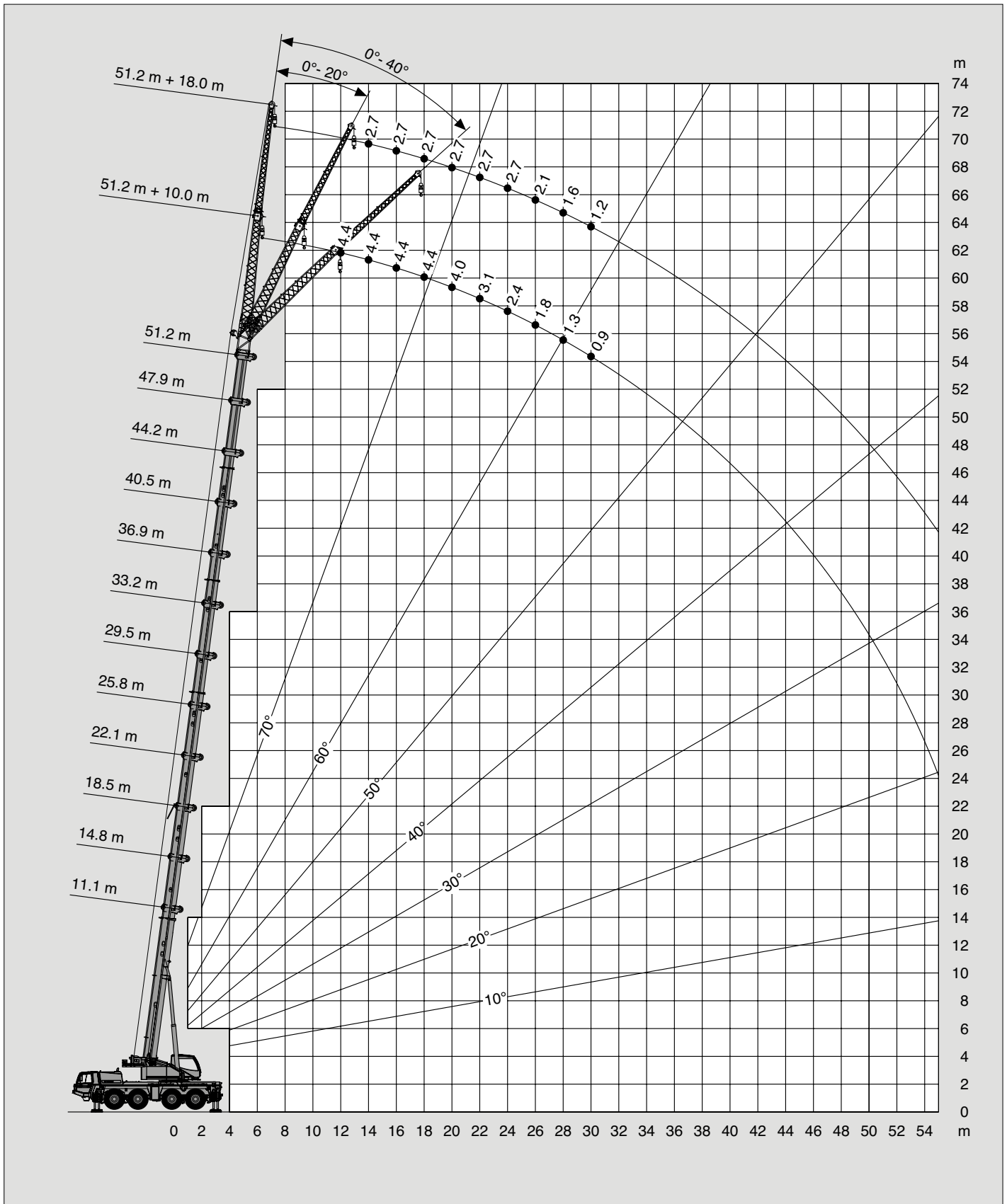
Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

     6.5t DIN/ISO/EN												
 m	11.1 m + 10.0 m			33.2 m + 10.0 m			47.9 m + 10.0 m			51.2 m + 10.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	12.2*											
3.5	12.2*											
4.0	12.2*											
4.5	12.2*											
5.0	12.2*	12.2*										
6.0	12.2*	11.5*										
7.0	12.2*	10.8		10.1								
8.0	12.2*	10.2	7.4	10.1								
9.0	12.1*	9.6	7.1	10.1								
10.0	11.3*	9.0	6.7	10.1	8.9							
11.0	10.4	8.5	6.4	10.1	8.6		4.9					
12.0	9.6	8.0	6.2	9.9	8.3		4.9			4.4		
14.0	8.1	7.1	5.8	9.0	7.7	6.7	4.9			4.4		
16.0	7.0	6.5		7.1	7.1	6.3	4.9	4.9		4.4	4.4	
18.0				5.5	6.2	6.0	4.9	4.8	4.5	4.4	4.4	
20.0				4.3	4.9	5.4	4.6	4.5	4.3	4.4	4.2	4.0
22.0				3.4	3.9	4.3	3.6	4.2	4.1	3.6	4.0	3.8
24.0				2.7	3.1	3.4	2.8	3.3	3.7	2.8	3.3	3.7
26.0				2.0	2.4	2.7	2.2	2.7	3.0	2.2	2.6	3.0
28.0				1.5	1.9	2.1	1.7	2.1	2.4	1.6	2.0	2.4
30.0				1.1	1.4	1.6	1.3	1.6	1.9	1.2	1.6	1.8
32.0				0.7	1.0	1.1	0.9	1.2	1.4	0.8	1.1	1.4
34.0					0.6		0.5	0.8	1.0		0.8	1.0
36.0								0.5	0.7			0.7

* Mit Zusatzhubausrüstung / * With additional lifting equipment / * Avec équipement supplémentaire / * Con equipo adicional

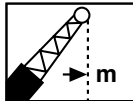
     6.5t DIN/ISO/EN												
 m	11.1 m + 18.0 m			33.2 m + 18.0 m			47.9 m + 18.0 m			51.2 m + 18.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0												
3.5	5.8											
4.0	5.8											
4.5	5.8											
5.0	5.8											
6.0	5.8											
7.0	5.8											
8.0	5.8			4.2								
9.0	5.8			4.2								
10.0	5.8	5.3		4.2								
11.0	5.8	5.0		4.2								
12.0	5.7	4.8		4.2			2.9					
14.0	5.2	4.4		4.2			2.9			2.7		
16.0	4.7	4.1	3.2	4.2	4.2		2.9			2.7		
18.0	4.2	3.7	3.0	4.2	4.1		2.9			2.7		
20.0	3.7	3.4	2.8	4.2	3.9	3.2	2.9	2.9		2.7		
22.0	3.3	3.1	2.6	4.0	3.8	3.1	2.9	2.9		2.7	2.7	
24.0	3.0	2.9	2.5	3.3	3.6	3.0	2.9	2.9		2.7	2.7	
26.0	2.7	2.8		2.6	3.4	2.9	2.5	2.9	2.8	2.4	2.7	2.6
28.0				2.1	2.7	2.8	2.0	2.7	2.6	1.9	2.6	2.5
30.0				1.6	2.2	2.7	1.5	2.2	2.6	1.4	2.1	2.4
32.0				1.3	1.8	2.2	1.1	1.7	2.2	1.1	1.7	2.2
34.0				0.9	1.4	1.7	0.8	1.3	1.8		1.3	1.7
36.0				0.6	1.0	1.3		1.0	1.4		1.0	1.4
38.0					0.7	1.0		0.7	1.1			1.0
40.0						0.6			0.8			

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación



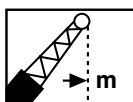
Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación



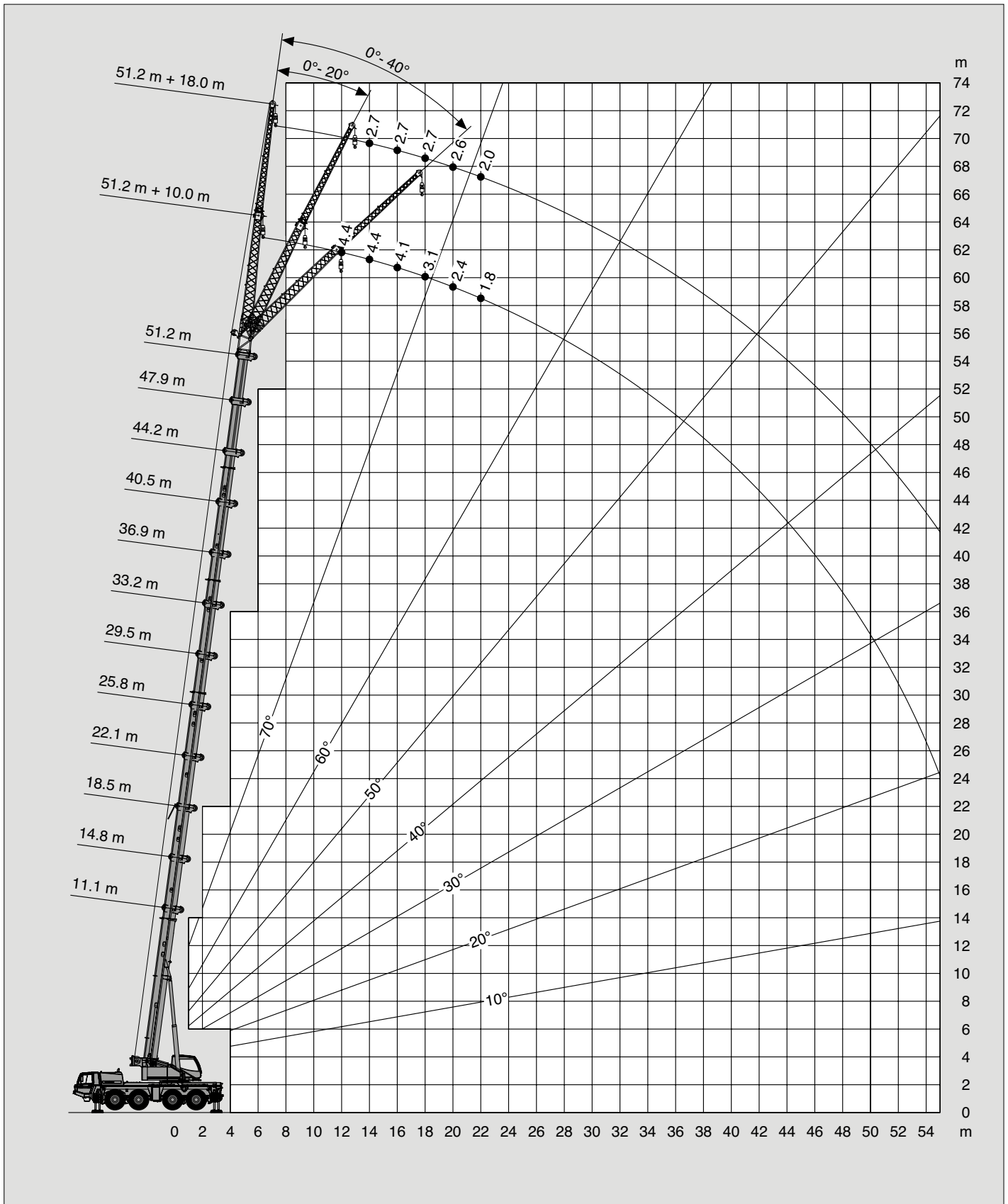
 m	11.1 m + 10.0 m			33.2 m + 10.0 m			47.9 m + 10.0 m			51.2 m + 10.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	12.2*											
3.5	12.2*											
4.0	12.2*											
4.5	12.2*											
5.0	12.2*	12.2*										
6.0	12.2*	11.5*										
7.0	12.2*	10.8		10.1								
8.0	12.2*	10.2	7.4	10.1								
9.0	12.1*	9.6	7.1	10.1								
10.0	11.3*	9.0	6.7	10.1	8.9							
11.0	10.4	8.5	6.4	10.1	8.6		4.9					
12.0	9.6	8.0	6.2	9.9	8.3		4.9			4.4		
14.0	8.1	7.1	5.8	8.4	7.7	6.7	4.9			4.4		
16.0	7.0	6.5		6.5	7.1	6.3	4.9	4.9		4.4	4.4	
18.0				5.0	5.7	6.0	4.9	4.8	4.5	4.4	4.4	
20.0				3.9	4.5	5.0	4.1	4.5	4.3	4.0	4.2	4.0
22.0				3.0	3.5	3.9	3.2	3.8	4.1	3.1	3.7	3.8
24.0				2.3	2.7	3.1	2.5	3.0	3.4	2.4	2.9	3.3
26.0				1.7	2.1	2.4	1.9	2.3	2.7	1.8	2.3	2.6
28.0				1.2	1.6	1.8	1.4	1.8	2.1	1.3	1.7	2.1
30.0				0.8	1.1	1.3	1.0	1.3	1.6	0.9	1.3	1.6
32.0				0.5	0.7	0.9	0.6	0.9	1.2		0.9	1.1
34.0							0.6	0.8				0.8

* Mit Zusatzhubausrüstung / * With additional lifting equipment / * Avec équipement supplémentaire / * Con equipo adicional

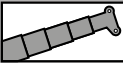
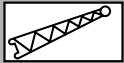
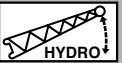
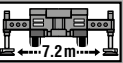
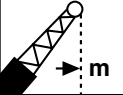


 m	11.1 m + 18.0 m			33.2 m + 18.0 m			47.9 m + 18.0 m			51.2 m + 18.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0												
3.5	5.8											
4.0	5.8											
4.5	5.8											
5.0	5.8											
6.0	5.8											
7.0	5.8											
8.0	5.8			4.2								
9.0	5.8			4.2								
10.0	5.8	5.3		4.2								
11.0	5.8	5.0		4.2								
12.0	5.7	4.8		4.2			2.9					
14.0	5.2	4.4		4.2			2.9			2.7		
16.0	4.7	4.1	3.2	4.2	4.2		2.9			2.7		
18.0	4.2	3.7	3.0	4.2	4.1		2.9			2.7		
20.0	3.7	3.4	2.8	4.2	3.9	3.2	2.9	2.9		2.7		
22.0	3.3	3.1	2.6	3.6	3.8	3.1	2.9	2.9		2.7	2.7	
24.0	3.0	2.9	2.5	2.9	3.6	3.0	2.8	2.9		2.7	2.7	
26.0	2.7	2.8		2.3	3.0	2.9	2.2	2.9	2.8	2.1	2.7	2.6
28.0				1.8	2.4	2.8	1.7	2.4	2.6	1.6	2.3	2.5
30.0				1.4	1.9	2.4	1.2	1.9	2.4	1.2	1.8	2.4
32.0				1.0	1.5	1.9	0.9	1.5	2.0		1.4	1.9
34.0				0.7	1.1	1.5		1.1	1.5		1.0	1.5
36.0					0.8	1.1		0.8	1.2			1.1
38.0					0.5	0.7			0.8			

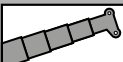
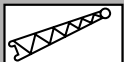
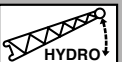
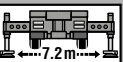
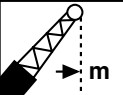
Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación



Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

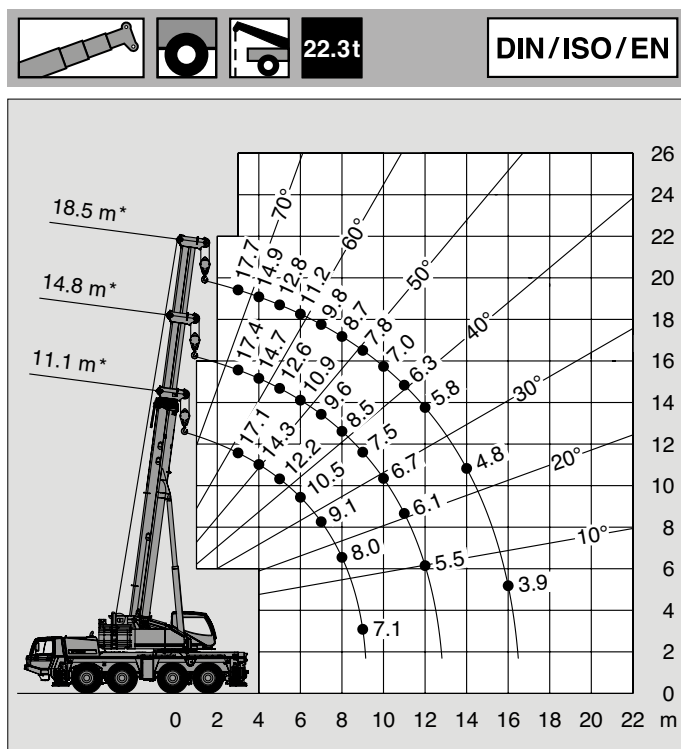
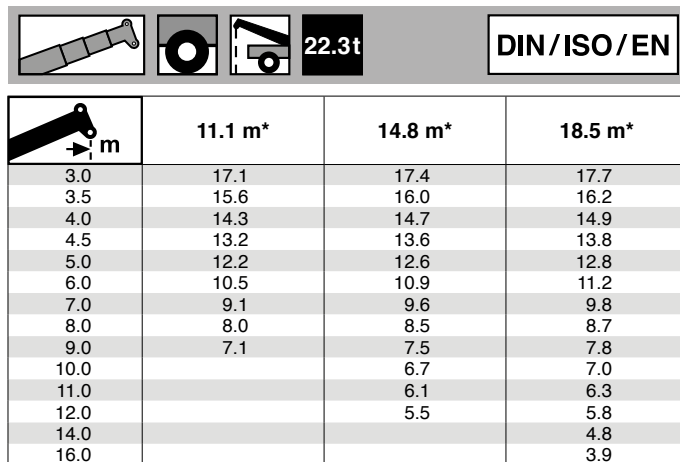
     0t DIN/ISO/EN												
	11.1 m + 10.0 m			33.2 m + 10.0 m			47.9 m + 10.0 m			51.2 m + 10.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	12.2*											
3.5	12.2*											
4.0	12.2*											
4.5	12.2*											
5.0	12.2*	12.2*										
6.0	12.2*	11.5*										
7.0	12.2*	10.8		10.1								
8.0	12.2*	10.2	7.4	10.1								
9.0	12.1*	9.6	7.1	10.1								
10.0	11.3*	9.0	6.7	10.1	8.9							
11.0	10.4	8.5	6.4	8.9	8.6		4.9					
12.0	9.6	8.0	6.2	7.8	8.3		4.9			4.4		
14.0	8.1	7.1	5.8	6.0	6.9	6.7	4.9			4.4		
16.0	6.7	6.5		4.6	5.4	6.1	4.2	4.9		4.1	4.4	
18.0				3.6	4.2	4.8	3.3	4.0	4.5	3.1	3.8	
20.0				2.7	3.3	3.8	2.5	3.1	3.6	2.4	3.0	3.5
22.0				2.0	2.5	2.9	1.9	2.4	2.9	1.8	2.3	2.7
24.0				1.4	1.9	2.2	1.4	1.8	2.2		1.7	2.1
26.0				0.9	1.3	1.6		1.4	1.7			1.6
28.0					0.8	1.1			1.2			

* Mit Zusatzhubausrüstung / * With additional lifting equipment / * Avec équipement supplémentaire / * Con equipo adicional

     0t DIN/ISO/EN												
	11.1 m + 18.0 m			33.2 m + 18.0 m			47.9 m + 18.0 m			51.2 m + 18.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0												
3.5	5.8											
4.0	5.8											
4.5	5.8											
5.0	5.8											
6.0	5.8											
7.0	5.8											
8.0	5.8			4.2								
9.0	5.8			4.2								
10.0	5.8	5.3		4.2								
11.0	5.8	5.0		4.2								
12.0	5.7	4.8		4.2			2.9					
14.0	5.2	4.4		4.2			2.9			2.7		
16.0	4.7	4.1	3.2	4.2	4.2		2.9			2.7		
18.0	4.2	3.7	3.0	4.0	4.1		2.9			2.7		
20.0	3.7	3.4	2.8	3.2	3.9	3.2	2.7	2.9		2.6		
22.0	3.3	3.1	2.6	2.5	3.4	3.1	2.1	2.9		2.0		
24.0	3.0	2.9	2.5	2.0	2.8	3.0	1.6	2.4				
26.0	2.7	2.8		1.5	2.2	2.8		1.9	2.6			
28.0				1.0	1.7	2.2		1.5	2.1			
30.0					1.3	1.7			1.6			
32.0					0.9	1.3			1.2			
34.0						0.9						

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación

Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

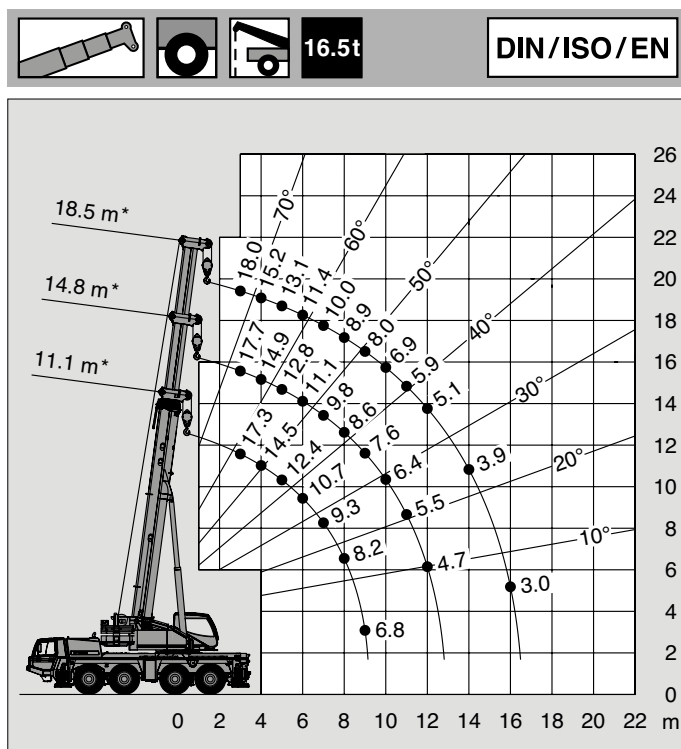
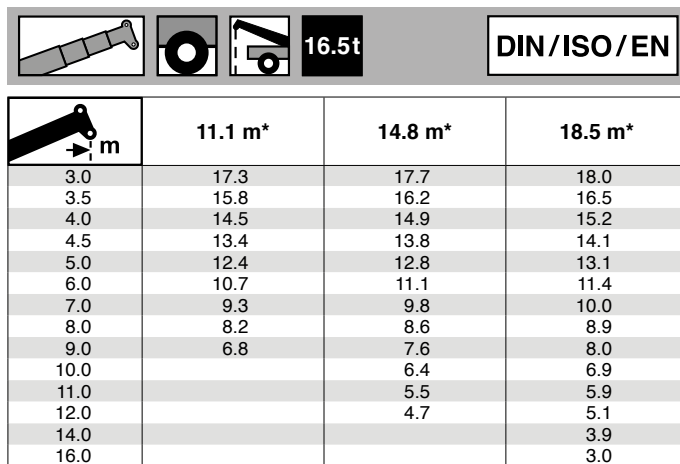



22.3t **DIN/ISO/EN**

Boom Length (m)	11.1 m*	14.8 m*	18.5 m*
3.0	17.1	17.4	17.7
3.5	15.6	16.0	16.2
4.0	14.3	14.7	14.9
4.5	13.2	13.6	13.8
5.0	12.2	12.6	12.8
6.0	10.5	10.9	11.2
7.0	9.1	9.6	9.8
8.0	8.0	8.5	8.7
9.0	7.1	7.5	7.8
10.0		6.7	7.0
11.0		6.1	6.3
12.0		5.5	5.8
14.0			4.8
16.0			3.9

* Oberwagenverriegelung eingelegt
* Superstructure locked

* Superstructure verrouillé
* Bloqueo de superestructura

16.5t **DIN/ISO/EN**

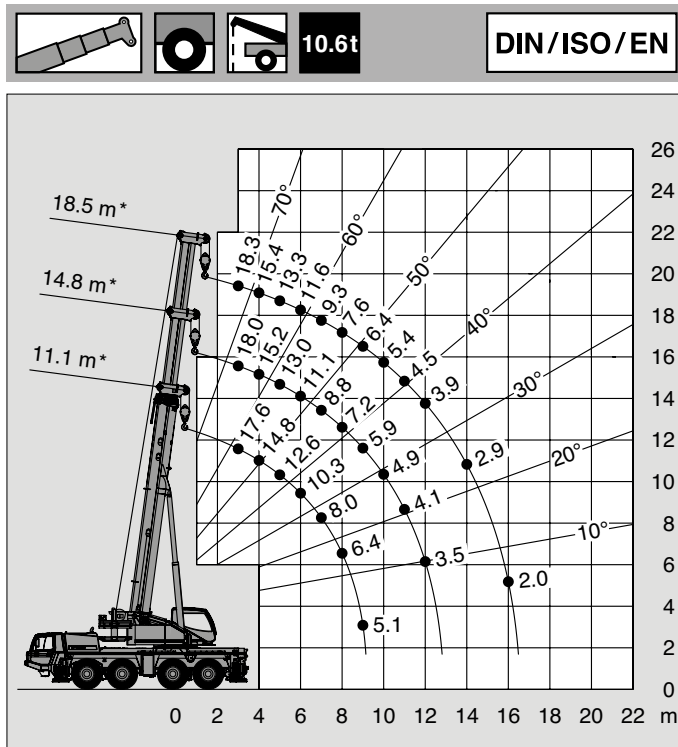
Boom Length (m)	11.1 m*	14.8 m*	18.5 m*
3.0	17.3	17.7	18.0
3.5	15.8	16.2	16.5
4.0	14.5	14.9	15.2
4.5	13.4	13.8	14.1
5.0	12.4	12.8	13.1
6.0	10.7	11.1	11.4
7.0	9.3	9.8	10.0
8.0	8.2	8.6	8.9
9.0	6.8	7.6	8.0
10.0		6.4	6.9
11.0		5.5	5.9
12.0		4.7	5.1
14.0			3.9
16.0			3.0

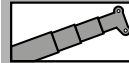
* Oberwagenverriegelung eingelegt
* Superstructure locked

* Superstructure verrouillé
* Bloqueo de superestructura

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación

Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

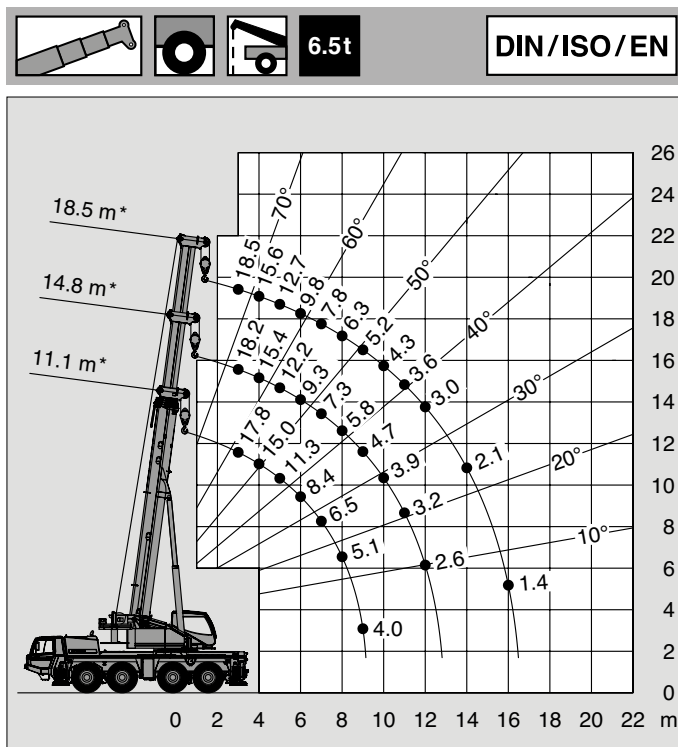


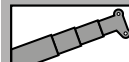
   **10.6t** **DIN/ISO/EN**

 m	11.1 m*	14.8 m*	18.5 m*
3.0	17.6	18.0	18.3
3.5	16.1	16.5	16.7
4.0	14.8	15.2	15.4
4.5	13.6	14.0	14.3
5.0	12.6	13.0	13.3
6.0	10.3	11.1	11.6
7.0	8.0	8.8	9.3
8.0	6.4	7.2	7.6
9.0	5.1	5.9	6.4
10.0		4.9	5.4
11.0		4.1	4.5
12.0		3.5	3.9
14.0			2.9
16.0			2.0

* Oberwagenverriegelung eingelegt
* Superstructure locked

* Superstructure verrouillé
* Bloqueo de superestructura



   **6.5t**

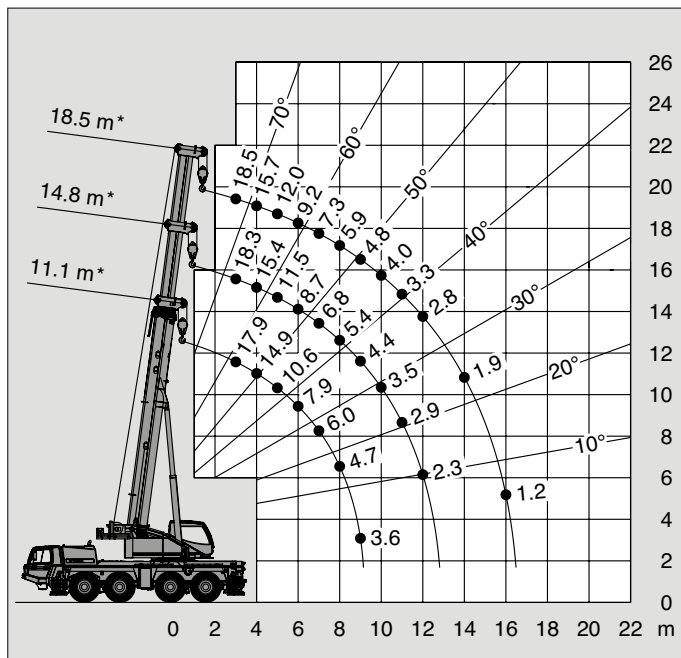
 m	11.1 m*	14.8 m*	18.5 m*
3.0	17.8	18.2	18.5
3.5	16.3	16.7	16.9
4.0	15.0	15.4	15.6
4.5	13.2	14.1	14.5
5.0	11.3	12.2	12.7
6.0	8.4	9.3	9.8
7.0	6.5	7.3	7.8
8.0	5.1	5.8	6.3
9.0	4.0	4.7	5.2
10.0		3.9	4.3
11.0		3.2	3.6
12.0		2.6	3.0
14.0			2.1
16.0			1.4

* Oberwagenverriegelung eingelegt
* Superstructure locked

* Superstructure verrouillé
* Bloqueo de superestructura

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación

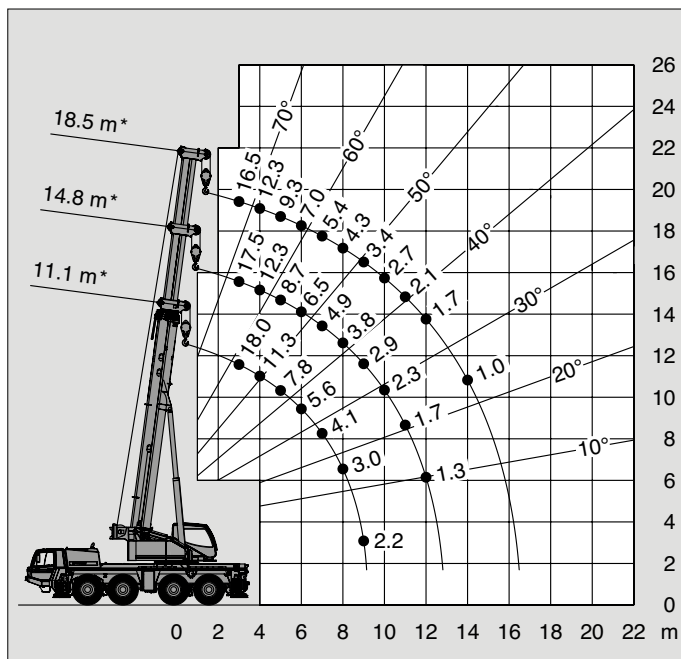
Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación



Boom length (m)	11.1 m*	14.8 m*	18.5 m*
3.0	17.9	18.3	18.5
3.5	16.4	16.7	17.0
4.0	14.9	15.4	15.7
4.5	12.4	13.3	13.9
5.0	10.6	11.5	12.0
6.0	7.9	8.7	9.2
7.0	6.0	6.8	7.3
8.0	4.7	5.4	5.9
9.0	3.6	4.4	4.8
10.0		3.5	4.0
11.0		2.9	3.3
12.0		2.3	2.8
14.0			1.9
16.0			1.2

* Oberwagenverriegelung eingelegt
* Superstructure locked

* Superstructure verrouillé
* Bloqueo de superestructura



Boom length (m)	11.1 m*	14.8 m*	18.5 m*
3.0	18.0	17.5	16.5
3.5	14.0	14.8	14.1
4.0	11.3	12.3	12.3
4.5	9.3	10.2	10.8
5.0	7.8	8.7	9.3
6.0	5.6	6.5	7.0
7.0	4.1	4.9	5.4
8.0	3.0	3.8	4.3
9.0	2.2	2.9	3.4
10.0		2.3	2.7
11.0		1.7	2.1
12.0		1.3	1.7
14.0			1.0
16.0			

* Oberwagenverriegelung eingelegt
* Superstructure locked

* Superstructure verrouillé
* Bloqueo de superestructura

Anmerkungen zu den Traglasttabellen
Remarks relating to the rating charts
Remarques relatives aux tableaux des charges
Notas relativas a los graficos de carga

DIN/ISO/EN**Anmerkungen zu den Traglasttabellen**

Die Tragfähigkeiten im Festigkeitsbereich basieren auf DIN 15018 Blatt 2 und Blatt 3 und F.E.M.

Die Tragfähigkeiten im Standsicherheitsbereich entsprechen DIN 15019 Teil 2 / ISO 4305 / EN 13000.

In Abhängigkeit der Auslegerlänge sind bei den Traglasttabellen Windgeschwindigkeiten bis max. 15 m/s zulässig.

Die Tragfähigkeiten sind in metrischen Tonnen angegeben.

Das Gewicht des Lasthakens bzw. der Hakenflasche und weiterer Anschlagmittel ist von der Tragfähigkeit abzuziehen.

Die Tragfähigkeiten für den Teleskopausleger gelten nur bei demon-
tierter Auslegerverlängerung.

Die Ausladung ist der horizontale Abstand von Mitte Drehkranz bis Mitte freihängender, nicht schwingender Last.

Tragfähigkeitsänderungen vorbehalten.

Obige Angaben dienen nur zur Information. Die Bedienungsanle-
itungen müssen zu Rate gezogen werden, bevor die Maschine in
Betrieb genommen wird. Alle hier gemachten Angaben beziehen
sich auf die Standard-Ausführung. Jegliche Ausrüstungsverände-
rungen können die angegebenen Werte beeinflussen.

Remarks relating to the rating charts

The lifting capacities in the structural area are based on DIN 15018 parts 2 and 3 and F.E.M.

The lifting capacities in the stability area are based on DIN 15019 part 2 / ISO 4305 / EN 13000.

The maximum permissible wind speed for crane operation is 15 m / sec.

The lifting capacities are shown in metric tons.

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.

The lifting capacities for the telescopic boom apply to a crane with no boom extensions being stowed or mounted on the crane.

The working radius is the horizontal distance from the centre of rotation to the centre of the freely suspended non-oscillating load.

The lifting capacities are subject to change without prior notice.

The above remarks are for basic information only and the operator's manual must be consulted before operating this crane. All data and performances refer to the standard crane. The addition of optional and other equipment may affect the performance of the crane.

Remarques relatives aux tableaux des charges

Les forces de levage sont conformes aux normes DIN 15018, p. 2 et 3, et F.E.M.

Les forces de levage dans la partie de stabilité au renversement sont conformes aux normes DIN 15019, chap. 2 / ISO 4305 / EN 13000.

La grue peut travailler aux vitesses de vent allant jusqu'à 15 m/ s.

Les forces de levage sont données en tonnes métriques.

Le poids du crochet-moufle et de tous les accessoires d'élégage font partie de la charge et sont à déduire des charges indiquées.

Les forces de levage indiquées pour la flèche télescopique s'entendent fléchette déposée.

Comme portée, on entend la distance horizontale du centre de la couronne de rotation au centre de la charge librement suspendue et non oscillante.

Sauf modification de forces de levage.

Les données ci-dessus servent à titre d'information. Avant la mise en marche de la grue il est conseillé d'étudier les instructions de service. Toutes les données indiquées ci-dessus se réfèrent à la machine de base. Tout changement de l'équipement de la grue peut influencer ces valeurs.

Notas relativas a los graficos de carga

En cuanto a los datos referentes a resistencia, las capacidades de carga están basados sobre las normas DIN 15018, pág. 2 y 3, y F.E.M.

En cuanto a los datos referentes a estabilidad anti-vuelco, las capacidades de carga están basados sobre las normas DIN 15019, Cap. 2 / ISO 4305 / EN 13000.

La velocidad anemométrica max. admisible es de 15 m / seg.

Las capacidades de carga indicadas en las tablas corresponden a toneladas métricas.

Hay que deducir los pesos del gancho, eslingas y de otros dispositivos para fijación de cargas de los valores indicados en las tablas.

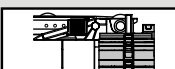
Las capacidades de carga referentes a la pluma telescópica valen solamente si el plumín está desmontada.

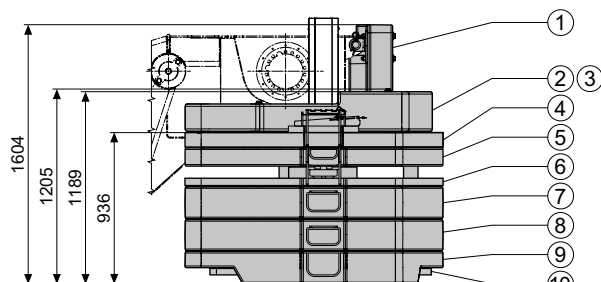
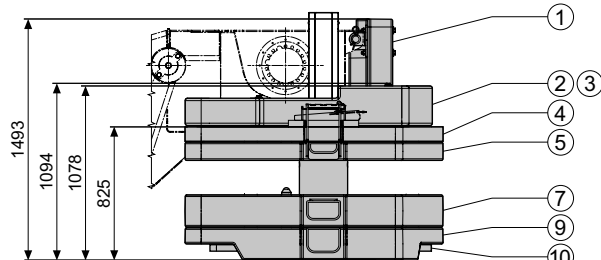
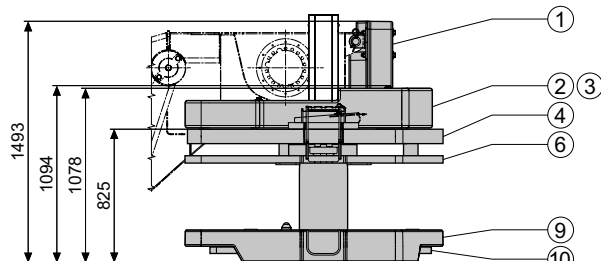
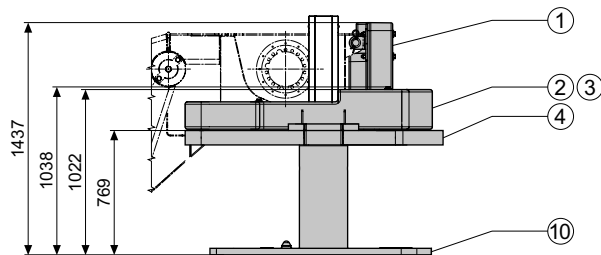
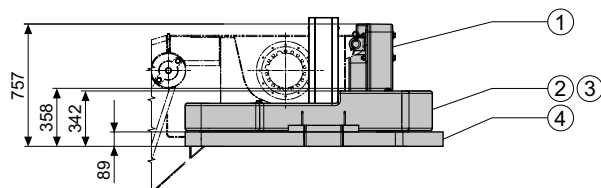
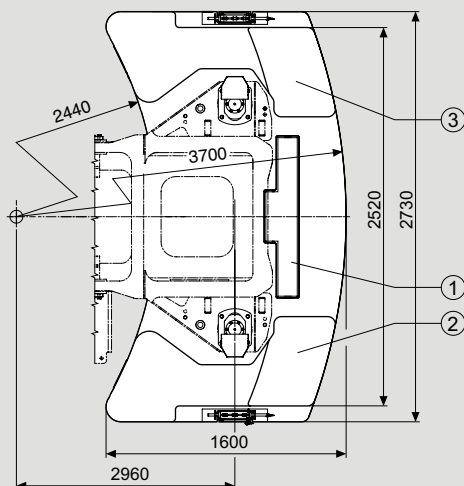
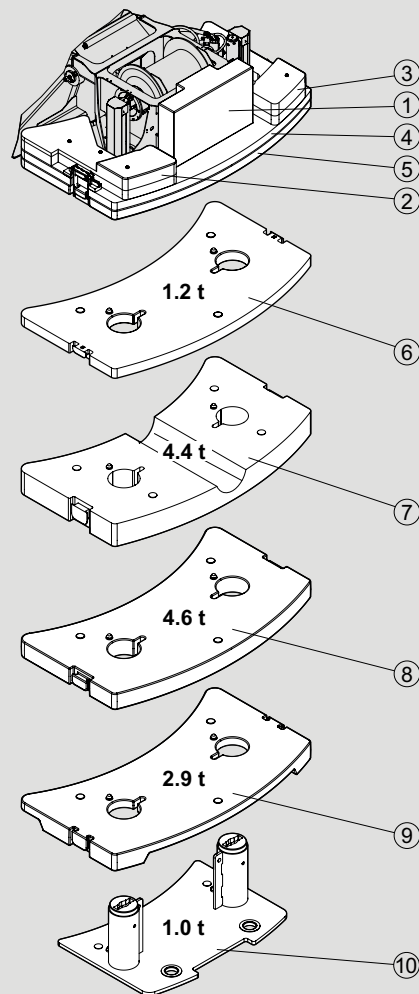
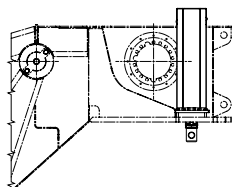
Como alcance se entiende la distancia horizontal desde el centro de la corona de giro hasta el centro de la carga suspendida libremente y no oscilante.

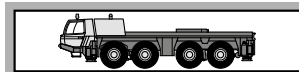
Salvo modificación de capacidades de carga, sin previo aviso.

Los datos arriba indicados sirven solamente para su información. Hay que leer las instrucciones para el uso antes de la puesta en servicio de la máquina. Todos los datos mencionados en las presentes tablas rigen para los modelos standard. Cualquier modificación del equipo montado puede dar lugar a modificaciones de aquellos valores.

Gegengewichtvarianten
Counterweight versions
Variations des contrepoids
Variaciones de contrapeso

	Gegengewicht / Counterweight Contrepoids / Contrapeso	1 x	1 x	1 x	1 x	1 x	1 x	1 x	1 x	1 x	1 x
		①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
	(t)	1.0	1.0	1.0	2.5	2.7	1.2	4.4	4.6	2.9	1.0

22.3t

16.5t

10.6t

6.5t

5.5t

0t




Rahmen Verwindungs- und biegesteife Schweißkonstruktion aus hochfestem Feinkornstahl.

Abstützung 4-Punkt-Abstützung, hydraulisch, Bedienungsmöglichkeiten an beiden Seiten des Fahrgestelles und in der Oberwagenkabine.
Abstützbasis 7,2 m (und 5,0 m) x 8,5 m.

Motor Mercedes-Benz 6-Zylinder-Dieselmotor OM 501 LA (Euromot III B / EPA Tier 4i), wassergekühlt, Leistung 320 kW (435 PS) bei 1800 min⁻¹. Drehmoment 2100 Nm bei 1300 min⁻¹. Motorleistung nach 80 / 1269 / EWG.
Kraftstoffbehälter 400 l. AdBlue-Behälter 40 l.

Getriebe ZF-AS-Tronic 12 AS 2302, mechanisches Schaltgetriebe mit integriertem Intarder, elektronisch-pneumatisch betätigter Trockenkupplung und vollautomatischer Schaltung mit 12 Vorwärts- und 2 Rückwärtsgängen.
Power / Economy Modus.

Verteilergetriebe 2-stufiges Verteilergetriebe.

Antrieb 8 x 6 (8 x 8 Option).

Achsen

1. Achse: gelenkt, nicht angetrieben.
2. Achse: gelenkt, angetrieben, Differentialsperre quer.
3. Achse: gelenkt, angetrieben, Differentialsperre längs und quer.
4. Achse: gelenkt, angetrieben, Differentialsperre quer.

Achsaufhängung Hydropneumatische Federung mit Niveauregulierung.

Bremsen Druckluft-Zweikreis-Bremsanlage mit ABS System. Feststellbremse als Federspeicherbremse an der 2., 3. und 4. Achse wirkend. Intarder und Konstantdrosselanlage mit Auspuffklappenbremse als Dauerbremse.

Räder 8-fach 445/95 R 25 (16.00 R 25), Breite 2,75 m.

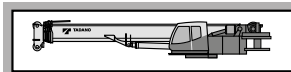
Lenkung ZF-Servocom-Zweikreis-Hydraulenlenkung. Mechanische Lenkung der 1. und 2. Achse und Mitlenken der 4. Achse bis zu einer Geschwindigkeit von 25 km/h, hydraulisch unterstützt, mit Notlenkpumpe. Lenkung aller Achsen möglich. Hydrostatische Lenkung aller Achsen aus der Oberwagenkabine.

Unterwagenkabine Zwei-Mann-Frontfahrerhaus in Stahl-Kunststoff-Verbund-Konstruktion, Sicherheitsverglasung, luftgefederte Sitze (Fahrsitz mit Heizung) und motorabhängige Wasserheizung, Radio / CD-Player, Kontroll- und Bedienungselemente für den Fahrbetrieb, Tempomat- / Bremsomat-Funktion.

Elektrische Anlage 24 Volt-Gleichstrom, 2 Batterien, Abstützfeldbeleuchtung.
Die elektrische Anlage entspricht der EG-Norm.

Zusatzausrüstung (gegen Mehrpreis)
Anhängerkupplung, motorunabhängige Zusatzheizung mit Motorvorwärmung, Klimaanlage, 8 x 8 Antrieb, 525/80 R 25 (20.5 R 25) Bereifung, Reserverad, Sonderlackierung und Beschriftung.

Weitere Zusatzausrüstung auf Anfrage.



Rahmen Verwindungssteife Schweißkonstruktion mit einer außenverzahnten, einreihigen Kugeldrehverbindung, um 360° unbegrenzt drehbar.

Motor Mercedes-Benz 4-Zylinder-Dieselmotor OM 924 LA (Euromot III B / EPA Tier 4i), wassergekühlt. Drehzahl ist über Fußpedal stufenlos regelbar, Leistung 127 kW (173 PS) bei 2000 min⁻¹. Drehmoment 675 Nm bei 1200 - 1600 min⁻¹. Motorleistung nach 80 / 1269 / EWG.
Kraftstoffbehälter 220 l. AdBlue-Behälter 8 l.

Hydraulik System Diesel-hydraulisch mit 3-Kreis-Hydraulik, 1 leistungsgeregelte Axialkolbendoppelpumpe (elektrisch verstellbar), 1 Axialkolbenpumpe und 2 Zahnradpumpen, Ölkühler.

Steuerung Zwei 4-fach Kreuzsteuerhebel mit elektrischer Vorsteuerung.

Teleskopausleger Sechsteiliger Teleskopausleger aus hochfestem Feinkornstahl, bestehend aus einem Grundaussleger und 5 Teleskopteilen, 1 Teleskopzylinder, hydraulisch unter Teillast teleskopierbar. 11,1 m - 51,2 m lang. Rollenkopf mit 7 Seilrollen.

Wippwerk Ein Differentialzylinder mit angebautem Senkbremssperrentil.

Hubwerk Axialkolben-Motor, Hubwerkstrommel mit eingebautem Planetengetriebe und federbelasteter Hydro-Lamellenbremse mit integriertem Freilauf beim Heben. Hubseil mit 'Super-Stop' Einrichtung.

Drehwerk Axialkolben-Motor, zweistufiges Planetengetriebe mit fußbetätigter Betriebsbremse und Feststellung. Drehgeschwindigkeit stufenlos von 0 - 2 min⁻¹.

Gegengewicht Standard 6,5 t teilbar.
Die Bedienung erfolgt aus der Oberwagenkabine.

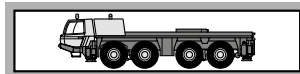
Oberwagenkabine Großräumige Krankabine in Stahl-Kunststoffausführung mit Sicherheitsverglasung und getönten Scheiben, kippbarem Arbeitsplatz mit verstellbarem, hydraulisch gedämpftem Fahrersitz mit Heizung, motorunabhängige Wasserheizung mit Motorvorwärmung, Klimaanlage, Radio / CD-Player, Kontroll- und Bedienungselemente für Kranbetrieb, Verfahrbarkeit vom Oberwagen und Abstützbetätigung.

Elektrische Anlage 24 Volt-Gleichstrom, 2 Batterien.

Sicherheitseinrichtungen Lastmomentbegrenzung (LMB), Arbeitsbereichsbegrenzung, Hubendschalter, Windenendschalter, Seilwindendrehmelder, Sicherheitsventile gegen Rohr- und Schlauchbrüche. Sperrventile an Hydraulik-Zylindern.

Zusatzausrüstung (gegen Mehrpreis)
'Lift Adjuster', Auslegerverlängerung 10,0 m / 18,0 m, wahlweise abwinkelbar 0°, 20° und 40° oder hydraulisch 0° - 40°, Schwerlastspitze 1,6 m, Zusatzgegengewicht 15,8 t, Gegengewichtsvarianten 0 t / 5,5 t / 10,6 t / 16,5 t / 22,3 t, verschiedene Unterflaschen, 2. Hubwerk, Drehbereichsbegrenzung, Zusatzölkühler, Sonderlackierung und Beschriftung.

Weitere Zusatzausrüstung auf Anfrage.



Frame Torsion-resistant, welded construction made from high strength, fine-grained steel.

Outriggers 4 point, double telescopic hydraulic outriggers with controls on both sides of carrier and in superstructure cab. Outrigger base 7.2 m (5.0 m mid extension) x 8.5 m.

Carrier engine Mercedes-Benz 6 cylinder model OM 501 LA (Euromot III B / EPA Tier 4i), water-cooled diesel engine. Rated at 320 kW (435 HP) at 1800 min⁻¹. Torque 2100 Nm at 1300 min⁻¹. Engine rating according to 80 / 1269 / EWG. Fuel tank 400 l. AdBlue-tank 40 l.

Transmission ZF-AS-Tronic 12 AS 2302 mechanical transmission with integrated intertarder, electro-pneumatically operated dry-type clutch and automatic gear shifting with 12 forward gears and 2 reverse gears. Power / Economy modes.

Transfer Case Two stage.

Drive 8 x 6 (8 x 8 option)

Axles

1st axle: steered, not driven.

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

3rd axle: steered, driven, with transverse and longitudinal differential lock.

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

Suspension Hydro-pneumatic with levelling adjustment.

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

Tyres (8) 445/95 R 25 (16.00 R 25), width 2.75 m.

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

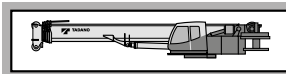
Carrier cab Two man full width cab of composite (steel sheet metal and fibre-glass) structure, with safety glass, air-cushioned adjustable seats (driver seat with heater) and engine dependent water heater, radio/CD-player, complete controls and instrumentation for road travel. Cruise control with hill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

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

Optional Equipment (at extra charge)

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

Further optional equipment available upon request.



Frame Torsion-resistant, all-welded structure of high strength steel. Connected to carrier by single-row, ball-bearing slewing ring with external gearing for 360° continuous rotation.

Superstructure engine Mercedes-Benz 4 cylinder model OM 924 LA (Euromot III B / EPA Tier 4i), water cooled diesel engine. RPM infinitely variable via foot pedal, rating 127 kW (173 HP) at 2000 min⁻¹. Torque 675 Nm at 1200 - 1600 min⁻¹. Engine rating according to 80 / 1269 / EWG. Fuel tank 220 l. AdBlue-tank 8 l.

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

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

Telescopic boom 6 sections, made of high tensile, finegrained steel, consisting of 1 base section and 5 telescoping sections extended by means of a single telescopic cylinder. All telescope sections extendable under partial load. 11.1 m to 51.2 m long. Boom head with 7 sheaves.

Derricking system 1 double acting hydraulic cylinder with integral brake and holding valve.

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

Slewing system Axial piston motor with two-stage planetary gear equipped with a foot actuated service and a parking brake. Speed infinitely variable 0 - 2 min⁻¹.

Counterweight Standard 6.5 t divisible, assembled and disassembled by hydraulic cylinders controlled from superstructure cab.

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

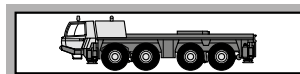
Electrical system 24 volt DC system, 2 batteries.

Safety devices Load moment device (LMD), working area limiter, hoist limit switch, lower limit switch and drum turn indicator, safety valves against pipe and hose rupture, holding valves on hydraulic cylinders.

Optional Equipment (at extra charge)

'Lift Adjuster', Boom extension 10.0 m / 18.0 m, offsets 0°, 20° and 40° or hydraulically 0°- 40°, heavy duty jib 1.6 m, additional counterweight 15.8 t, counterweight variations 0 t / 5.5 t / 10.6 t / 16.5 t / 22.3 t, selection of hook blocks, auxiliary winch, slewing area limitation, additional oil cooler, special painting and lettering.

Further optional equipment available upon request.



Châssis Construction mécanosoudée, en acier à grain fin très rigide, résistant aux flexions et aux torsions.

Calage Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Commande des mouvements sur les deux côtés du porteur et depuis la cabine de la superstructure. Calage 7,2 m (aussi 5,0 m) x 8,5 m.

Moteur Mercedes Benz diesel 6 cylindres, modèle OM 501 LA (Euromot III B / EPA Tier 4i), refroidi par eau, de 320 kW (435 CV) à 1800 min⁻¹. Couple: 2100 Nm à 1300 min⁻¹. Puissance selon 80 / 1269 / EWG. Capacité du réservoir 400 l. AdBlue-capacité du réservoir 40 l.

Boîte de vitesse Boîte mécanique ZF-AS-Tronic, modèle 12 AS 2302 avec embrayage électro-pneumatique réglé à commande et boîte automatique, 12 vitesses AV et 2 vitesses AR. Ralentisseur hydrodynamique, type Intarder directement accouplé à la boîte. Mode max. performance / économique.

Boîte de transfert À 2 gammes.

Entraînement 8 x 6 (8 x 8 option).

Essieux

1^{er} essieu: directeur, non entraîné.

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

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

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

Suspension Hydro-pneumatique, avec réglage de niveau.

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

Pneus 8 x 445/95 R 25 (16.00 R 25), (largeur 2,75 m).

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

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

Système électrique 24 V courant continu, 2 batteries, illumination des calages. Conforme aux normes CE.

Équipement supplémentaire (avec supplément de prix) Attache-remorque, chauffage auxiliaire indépendant du moteur avec préchauffage du moteur, climatisation, Entraînement 8 x 8, pneus 525/80 R 25 (20.5 R 25), roue de secours, peinture spéciale et inscription.

Autres équipements supplémentaires sur demande.

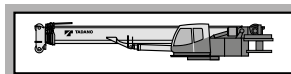


Plate forme Construction mécano-soudée résistante à la torsion. Couronne d'orientation à billes à une rangée, à denture extérieure, permettant une rotation illimitée sur 360°.

Moteur Mercedes-Benz diesel 4 cylindres, modèle OM 924 LA (Euromot III B / EPA Tier 4i), refroidi par eau, Réglage du nombre de tours par pédale, de 127 kW (173 CV) à 2000 min⁻¹. Couple: 675 Nm à 1200 - 1600 min⁻¹. Puissance selon 80 / 1269 / EWG. Capacité du réservoir 220 l. AdBlue-capacité du réservoir 8 l.

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

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

Flèche télescopique 1 flèche de base et 5 éléments télescopiques en acier fin, 1 vérin télescopique, hydrauliquement télescopable avec charge partielle. Longueur de 11,1 m à 51,2 m. Tête de flèche avec 7 poulies.

Mécanisme de relevage 1 vérin différentiel muni de clapet de freinage de descente.

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

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

Contrepoids Standard 6,5 t divisible, commandé depuis la cabine du grutier.

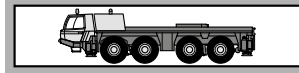
Cabine du grutier Cabine de grue spacieuse, construction en matière combinée acier / synthétique, avec vitrage de sécurité en verre teinté, siège chauffant, réglable et amorti hydrauliquement, inclinable avec instruments de commande, chauffage auxiliaire avec préchauffage du moteur, climatisation, radio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

Système électrique 24 V courant continu, 2 batteries.

Dispositifs de sécurité Limiteur de charge (CEC), limitation de zone de travail, interrupteur de fin de course de levage et de treuil, indicateur du nombre de tours, soupapes de sécurité contre ruptures des conduites et flexibles, clapets sur verins hydrauliques.

Équipement supplémentaire (avec supplément de prix) 'Lift Adjuster', fléchette 10,0 m / 18,0 m au choix inclinable 0°, 20° et 40° ou hydrauliquement 0° à 40°, fléchette pour levage lourde 1,6 m, contrepoids additionnel de 15,8 t, combinaison différentes de contrepoids 0 t / 5,5 t / 10,6 t / 16,5 t / 22,3 t, sélection de moufles, 2^{ème} treuil de levage, limitation de rotation, refroidisseur d'huile supplémentaire, peinture spéciale et inscription.

Autres équipements supplémentaires sur demande.



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

Estabilizadores Estabilizadores hidráulicos de 4 puntos. Posibilidad de manejo desde ambos lados del chasis portante y desde la cabina de la grúa. Extensión de los estabilizadores: 7,2 m (y 5,0 m) x 8,5 m.

Motor Mercedes-Benz modelo OM 501 LA (Euromot III B / EPA Tier 4i), 6 cilindros, diesel, refrigerado por agua. Nominal 320 kW (435 CV) a 1800 min⁻¹. Par 2100 Nm a 1300 min⁻¹. Potencia del motor según 80 / 1269 / EWG. Depósito de combustible de 400 l. Depósito AdBlue 40 l.

Transmisión Transmisión mecánica tipo ZF-AS Tronic modelo 12 AS 2302 con intarder integrado, accionamiento electro - neumático embrague en seco y cambio automático, 12 marchas delanteras y 2 marchas traseras. Modo rendimiento máximo / económico.

Transmisión Caja de distribución (transfer) con 2 relaciones de velocidad.

Tracción 8 x 6 (8 x 8 opción).

Ejes

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

Suspensión Suspensión hidroneumática con regulación de nivel.

Sistemas de frenos Accionamiento neumático de doble circuito con sistema anti bloqueo ABS. Freno de estacionamiento del tipo muelles cargados, liberados por aire, sobre los ejes 2º, 3º y 4º. Intarder y freno continuo: sistema estrangulador constante y freno tipo estrangulación sobre el escape del motor diesel.

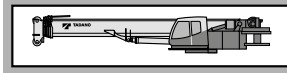
Neumáticos 8 x 445/95 R 25 (16.00 R 25), (ancho 2,75 m).

Dirección Hidráulica ZF Servocom de doble circuito. Dirección mecánica del 1º y 2º eje y direccionable del 4º eje hasta una velocidad de 25 km/h, con bomba hidráulica de emergencia accionada por la transmisión. Dirección de todos los ejes posible. Desde la cabina de la superestructura: dirección hidro-estática de ambos ejes.

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

Sistema eléctrico Sistema de 24 V c.c. con 2 baterías, faros de trabajo en los estabilizadores. El sistema eléctrico cumple la normativa CEE.

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



Superestructura Construida en aceros soldados, resistente a la torsión. Corona de giro con rodamiento de una fila de bolas con dientes externos para giro continuo de 360°.

Motor Mercedes-Benz modelo OM 924 LA (Euromot III B / EPA Tier 4i), 4 cilindros, diesel, refrigerado por agua. Las revoluciones aumentan de forma gradual accionando el acelerador. Nominal 127 kW (173 CV) a 2000 min⁻¹. Par 675 Nm a 1200 - 1600 min⁻¹. Potencia del motor según 80 / 1269 / EWG. Depósito de combustible de 220 l. Depósito AdBlue 8 l.

Sistema hidráulico Sistema hidráulico de 3 circuitos, 1 bomba doble de pistones axiales de caudal variable (regulable eléctricamente) una bomba de pistones axiales y 2 bombas en tandem, enfriador de aceite.

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

Pluma telescópica 6 secciones, un tramo base y 5 telescópicos de acero de alta resistencia soldado, 1 cilindro hidráulico, los tramos se pueden telescopar hidráulicamente bajo carga. Longitud de 11,1 m a 51,2 m. Cabeza de pluma con 7 poleas.

Elevación de pluma Mediante un cilindro hidráulico de doble efecto con válvula de retención integrada.

Cabrestante principal Motor hidráulico de pistones axiales y caudal fijo. Tambor del cabrestante con reducción planetaria y frenos de disco múltiples accionado, con sistema libre de elevación. Cable de elevación con sistema fácil de guiado y 'Super-Stop'.

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

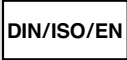
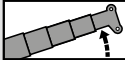
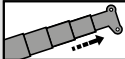
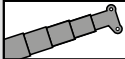
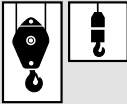
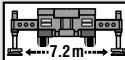
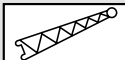
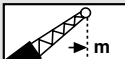
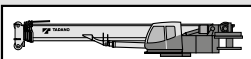
Contrapeso El estándar 6,5 t divisible, se acciona desde la cabina de la grúa.

Cabina de la grúa Cabina espaciosa y confortable, en construcción de acero y fibra de vidrio, con cristales tintados de seguridad. Asiento de operador regulable amortiguado hidráulicamente, inclinable junto con los instrumentos y mandos, asiento calefactado. Calefacción independiente del motor y precalefacción del motor, climatización, radio / CDplayer. Controles, instrumentos y mandos de conducción para la operación de la grúa y para el desplazamiento en obra. Mandos para nivelación y extensión de los estabilizadores.

Sistema eléctrico Sistema de 24 V c.c. con 2 baterías.

Medidas de seguridad Limitación del momento de carga (LMC), limitación del área de trabajo, interruptor de final de elevación, interruptor de 3 últimas vueltas en cabrestante, indicador de bajada o subida del cable del cabrestante, válvulas de seguridad para rotura de tubos y latiguillos. Válvulas de retención en los cilindros hidráulicos.

Equipo adicional (con suplemento de precio)
'Lift Adjuster', plúmín de 10,0 m / 18,0 m regulable hidráulicamente de 0°, 20° y 40° (o hidráulicamente 0° a 40°), plúmín de carga pesada de 1,6 m, contrapeso adicional de 15,8 t, variantes de contrapeso 0 t / 5,5 t / 10,6 t / 16,5 t / 22,3 t, selección de ganchos, 2º cabrestante, limitador de giro, enfriador adicional, pintura especial y rotulación.
Otros equipamientos sobre pedido.

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	Räder / Größe Tyres / Size Pneus / Largeur Neumáticos / Tamaño de ruedas		Teleskopieren Boom telescoping Télescopage de flèche Telescopaje de pluma
	Achslast Axle load Charge à l'essieu Carga por eje		Teleskopausleger Telescopic boom Flèche télescopique Pluma telescópica
	Unterflasche / Hakengeschild Hook block / Swivel hook Moufle / Elingues Gancho / Gancho de bola		Abstützung Outriggers Calage Estabilizadores
	Geschwindigkeiten Unterwagen Carrier speeds Vitesses du châssis Velocidades del chasis		Gegengewicht Counterweight Contrepoids Contrapeso
	Getriebe / Gang Transmission / Gear Boîte de vitesse / Rapport Transmisión / Marchas		Ausladung Radius Portée Radio
	Steigfähigkeit Gradeability Abtitude en pente Superación de pendientes		Auslegerverlängerung Boom extension Fléchette Plumin
	Gelände Off road Tout-terrain Todo terreno		Auslegerverlängerung hydraulisch Boom extension hydraulically Fléchette hydrauliquement Plumin hidráulicamente
	Straße On road En route En carretera		Ausladung Radius Portée Radio
	Geschwindigkeiten Oberwagen Superstructure speeds Vitesses du partie tournante Velocidades de la superestructura		Gegengewichtvarianten Counterweight versions Variations des contrepoids Variaciones de contrapeso
	Hubwerk Main winch Mécanisme de levage Cabrestante principal		Unterwagen Carrier Châssis Chasis
	2. Hubwerk Auxiliary winch 2 ^{ème} treuil de levage 2 ^o cabrestante		Oberwagen Superstructure Partie tournante Superestructura
	Drehwerk Slewing system Orientation Sistema de giro		

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