

ATF 220G-5

220 TON MAX. LIFTING CAPACITY

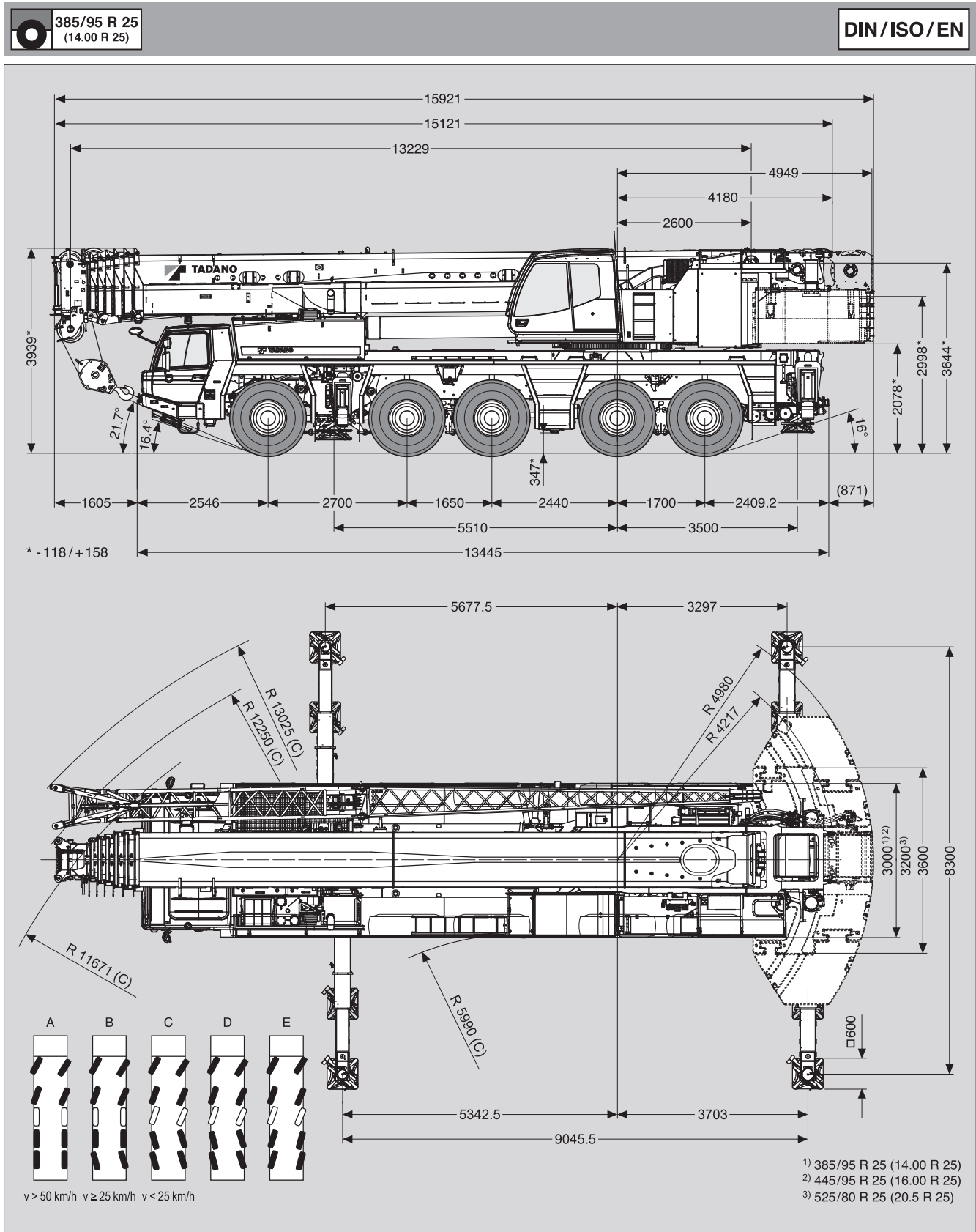
EUROMOT 3B

ALL TERRAIN CRANE



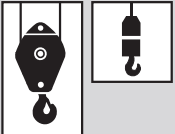
2 ENGINES

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



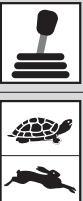
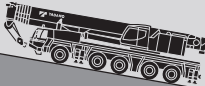
Gewichte / Geschwindigkeiten
Weights / Working speeds
Poids / Vitesses
Pesos / Velocidades de trabajo

	Achse / Axle Essieu / Eje	1	2	3	4	5	Gesamtgewicht / Total weight Poids total / Peso total
	(t)	12	12	12	12	12	60

	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
	151.1 t (Typ / Type / Typo 160)*	9	16	1600 kg
	123.9 t (Typ / Type / Typo 125)*	7	13	1350 kg
	77.4 t (Typ / Type / Typo 80)*	5	8	1150 kg
	58.4 t (Typ / Type / Typo 63)*	3	6	850 kg
	58.4 t (Typ / Type / Typo 63)	3	6	850 kg
	29.4 t (Typ / Type / Typo 32)	1	3	450 kg
	10 t (Typ / Type / Typo 10)	—	1	300 kg

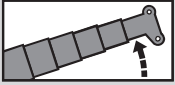
* Doppelhaken
* Rams horn
* Moufle avec crochet marin
* Gancho doble



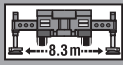
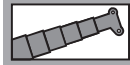
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	R1	R2	
 385/95 R 25 (14.00 R 25)	2	3	3	4	5	6	7	8	10	13	15	19	22	27	32	39	3	3	69%*
km/h	5	6	8	9	11	14	16	20	24	29	35	43	52	62	74	85	6	7	52%
 445/95 R 25 (16.00 R 25)	3	3	4	4	5	7	8	9	11	14	17	20	24	30	35	42	3	3	61%*
km/h	6	7	8	10	12	15	18	21	26	31	38	46	56	68	80	85	6	7	47%

* Mit Geländeübersetzung
* Off road range

* Avec mode tout terrain
* Con transmisión todo terreno

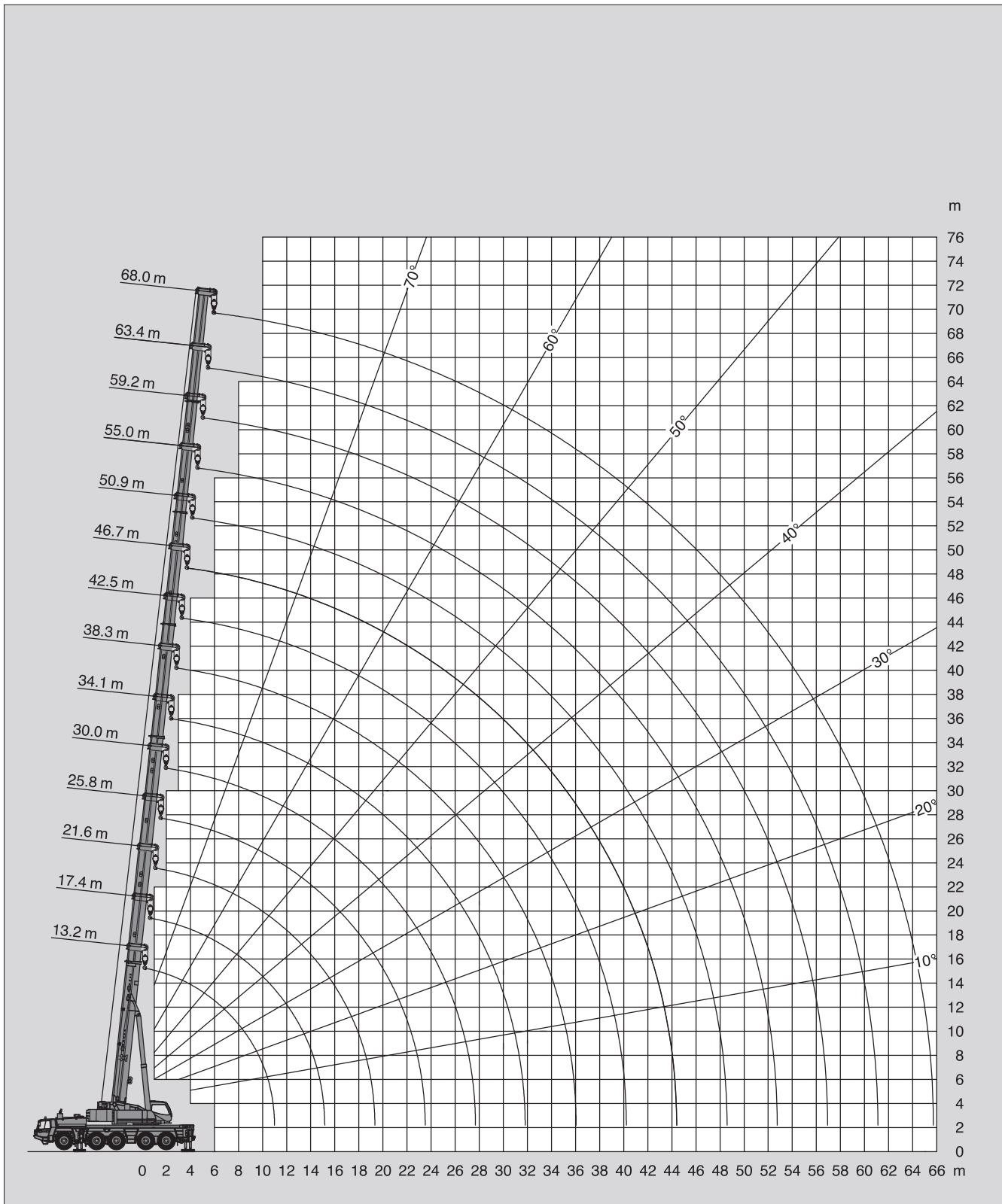
	Stufenlos Infinitely variable Progressivement variable Infinitamente variable	Seil Rope Câble Cable	Max. Seilzug Max. single line pull Effort maxi au brin simple Trío máximo por ramal
	0 - 128 m/min für einfachen Strang single line au brin simple ramal simple	21 mm / 320 m	98 kN
	0 - 128 m/min für einfachen Strang single line au brin simple ramal simple	21 mm / 320 m	98 kN
	0 - 1.2 min ⁻¹		
	-1.5° – +84° ca. 50 s approx. 50 s env. 50 s aproximadamente 50 s		
	13.2 m – 68.0 m ca. 500 s approx. 500 s env. 500 s aproximadamente 500 s		

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación



71t

DIN/ISO/EN



Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

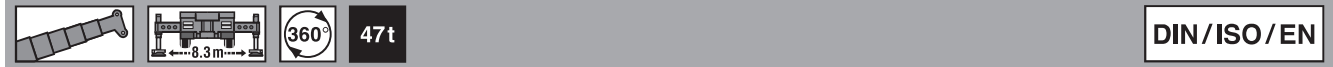
			71t	DIN/ISO/EN
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 m	13.2 m*	13.2 m	17.4 m	21.6 m	25.8 m	30.0 m	34.1 m	38.3 m	42.5 m	46.7 m	50.9 m	55.0 m	59.2 m	63.4 m	68.0 m
2.5	220.0**														
3.0	180.0**	176.5**	140.0**	140.0**	114.0**										
3.5	169.5**	160.0**	140.0**	140.0**	114.0**	90.5									
4.0	160.0**	150.5**	140.0**	140.0**	108.5	90.5									
4.5	150.5**	138.0**	137.5**	136.5**	103.5	90.5	70.0								
5.0	135.5**	127.0**	126.5**	126.0**	103.0	87.0	70.0	54.5							
6.0	112.5	109.0	109.0	108.0	103.0	79.8	70.0	54.5	43.5						
7.0	96.3	95.5	95.1	94.2	94.9	77.5	66.2	54.5	43.5	34.5					
8.0	83.6	83.6	83.2	82.4	83.0	77.5	61.2	54.5	43.5	34.5	28.5				
9.0	73.5	73.5	73.1	72.2	72.8	73.6	58.0	52.0	43.4	34.5	28.5	23.0			
10.0	65.4	65.4	64.9	64.0	64.6	65.4	58.0	48.9	41.4	34.5	28.5	23.0	18.8		
11.0			58.2	57.4	57.9	58.6	56.7	45.7	39.4	34.1	28.5	23.0	18.8	15.0	
12.0			52.6	51.8	52.3	53.0	54.0	42.8	37.6	32.6	28.3	23.0	18.8	15.0	13.8
14.0			43.9	43.1	43.6	44.3	45.1	40.0	35.6	30.0	26.8	22.8	18.8	15.0	13.8
16.0				36.6	37.0	37.7	38.5	37.3	32.4	28.5	24.9	21.8	18.8	15.0	13.8
18.0				31.6	31.9	32.6	33.4	34.1	29.3	26.4	23.1	20.4	18.3	15.0	13.4
20.0					27.5	28.3	30.4	30.0	26.8	24.5	21.5	19.1	17.2	15.0	13.1
22.0					23.7	26.2	27.0	26.2	24.6	22.9	20.1	17.8	16.2	14.8	12.8
24.0						24.1	23.7	22.9	22.1	21.2	18.8	16.7	15.2	14.0	12.5
26.0						21.5	21.0	20.2	19.4	19.2	17.6	15.7	14.4	13.3	12.2
28.0							18.7	17.9	17.2	17.0	16.6	14.8	13.6	12.6	11.4
30.0							16.8	16.0	16.2	15.1	15.2	14.0	12.8	11.9	10.6
32.0								14.4	15.0	13.4	13.6	13.2	12.1	11.3	9.9
34.0								13.0	13.6	12.0	12.5	12.5	11.5	10.8	9.3
36.0									12.4	11.5	12.0	11.2	10.9	10.2	8.7
38.0									11.3	11.0	10.9	10.1	10.4	9.8	8.2
40.0										10.6	9.9	9.3	9.4	9.3	7.7
42.0										9.8	9.0	8.7	8.6	8.5	7.3
44.0										8.1	8.3	8.2	7.9	8.0	6.8
46.0											7.6	7.6	7.5	7.5	6.4
48.0											7.0	7.0	7.1	6.8	6.1
50.0												6.4	6.7	6.2	5.7
52.0												5.9	6.2	5.7	5.4
54.0													5.7	5.2	5.1
56.0													5.3	4.7	4.7
58.0														4.3	4.2
60.0														3.9	3.9
62.0															3.5
64.0															3.2

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

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

Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación



 m	13.2 m*	13.2 m	17.4 m	21.6 m	25.8 m	30.0 m	34.1 m	38.3 m	42.5 m	46.7 m	50.9 m	55.0 m	59.2 m	63.4 m	68.0 m
3.0	180.0**	174.5**	140.0**	140.0**	114.0**										
3.5	169.5**	157.0**	140.0**	140.0**	114.0**	90.5									
4.0	154.0**	142.5**	140.0**	140.0**	108.5	90.5									
4.5	137.0**	130.0**	130.0**	129.0**	103.5	90.5	70.0								
5.0	123.0**	119.5**	119.5**	118.5**	103.0	87.0	70.0	54.5							
6.0	102.0	102.0	102.0	101.0	101.5	79.8	70.0	54.5	43.5						
7.0	86.6	86.6	86.2	85.4	86.0	77.5	66.2	54.5	43.5	34.5					
8.0	74.7	74.7	74.3	73.5	74.1	74.9	61.2	54.5	43.5	34.5	28.5				
9.0	65.5	65.5	65.1	64.3	64.9	65.6	58.0	52.0	43.4	34.5	28.5	23.0			
10.0	58.2	58.2	57.7	56.9	57.5	58.2	58.0	48.9	41.4	34.5	28.5	23.0	18.8		
11.0			51.7	50.8	51.4	52.1	52.7	45.7	39.4	34.1	28.5	23.0	18.8	15.0	
12.0			46.5	45.4	46.2	47.0	47.2	42.8	37.6	32.6	28.3	23.0	18.8	15.0	13.8
14.0			36.0	34.8	35.6	36.5	38.7	38.6	35.6	30.0	26.8	22.8	18.8	15.0	13.8
16.0				28.3	30.2	32.5	32.2	31.4	30.6	28.5	24.9	21.8	18.8	15.0	13.8
18.0				26.2	27.4	27.1	26.8	26.0	25.2	25.0	23.1	20.4	18.3	15.0	13.4
20.0					23.3	23.1	22.7	21.9	21.4	20.9	21.1	19.1	17.2	15.0	13.1
22.0					20.2	19.9	19.5	18.7	19.4	17.7	17.9	17.8	16.2	14.8	12.8
24.0						17.4	16.9	16.1	16.8	15.4	15.9	15.7	15.2	14.0	12.5
26.0						15.3	14.8	14.0	14.7	14.6	14.4	14.2	14.0	13.3	12.2
28.0							13.1	12.3	13.0	13.4	12.6	12.8	12.4	12.6	11.4
30.0							11.6	10.8	11.5	11.9	11.2	11.4	11.7	11.1	10.6
32.0								9.6	10.2	10.6	10.5	10.8	10.4	9.8	9.8
34.0								8.8	9.6	9.7	9.8	9.7	9.3	8.7	8.7
36.0									9.1	9.1	9.2	8.8	8.3	7.7	7.7
38.0									8.7	8.5	8.3	7.9	7.4	6.9	6.8
40.0										7.8	7.5	7.1	6.6	6.1	6.1
42.0										7.1	6.8	6.4	6.0	5.4	5.4
44.0										6.6	6.2	5.8	5.3	4.8	4.8
46.0											5.7	5.2	4.8	4.2	4.2
48.0											5.2	4.7	4.3	3.7	3.7
50.0												4.3	3.8	3.3	3.2
52.0												3.9	3.4	2.8	2.8
54.0													3.0	2.5	2.4
56.0													2.7	2.1	2.1
58.0														1.8	1.7
60.0														1.5	1.4
62.0															1.2
64.0															0.9

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

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

Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

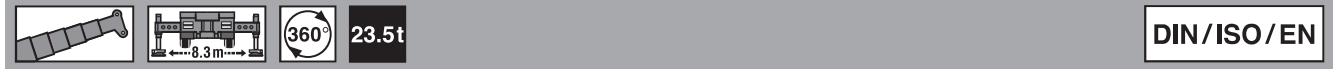
			35t	DIN/ISO/EN
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 m	13.2 m*	13.2 m	17.4 m	21.6 m	25.8 m	30.0 m	34.1 m	38.3 m	42.5 m	46.7 m	50.9 m	55.0 m	59.2 m	63.4 m	68.0 m
3.0	180.0**	169.5**	140.0**	140.0	114.0**										
3.5	166.5**	152.5**	140.0**	140.0**	114.0**	90.5									
4.0	146.0**	138.0**	138.0**	137.0**	108.5	90.5									
4.5	130.0**	126.0**	125.5**	124.5**	103.5	90.5	70.0								
5.0	117.0**	115.5**	115.0**	114.0**	103.0	87.0	70.0	54.5							
6.0	96.4	96.4	96.0	95.1	95.8	79.8	70.0	54.5	43.5						
7.0	81.4	81.4	81.0	80.2	80.8	77.5	66.2	54.5	43.5	34.5					
8.0	70.2	70.2	69.8	68.9	69.5	68.1	61.2	54.5	43.5	34.5	28.5				
9.0	61.5	61.5	61.0	60.2	59.9	58.2	57.0	52.0	43.4	34.5	28.5	23.0			
10.0	53.9	53.9	53.1	51.8	51.7	50.6	49.8	46.8	41.4	34.5	28.5	23.0	18.8		
11.0			44.8	43.5	44.4	44.5	44.0	43.5	39.4	34.1	28.5	23.0	18.8	15.0	
12.0			38.4	37.2	38.0	39.9	41.5	39.1	36.8	32.6	28.3	23.0	18.8	15.0	13.8
14.0			29.7	31.2	33.4	33.3	33.0	32.1	30.2	29.1	26.8	22.8	18.8	15.0	13.8
16.0				26.9	27.2	26.9	26.6	25.7	24.9	24.4	23.9	21.8	18.8	15.0	13.8
18.0				22.4	22.5	22.3	21.9	21.1	21.9	20.1	20.3	20.2	18.3	15.0	13.4
20.0					19.1	18.8	18.4	17.6	18.4	17.4	17.7	17.3	17.2	15.0	13.1
22.0					16.4	16.1	15.7	14.9	15.6	16.1	15.3	15.5	14.9	14.8	12.8
24.0						13.9	13.5	12.7	13.4	13.9	13.5	13.7	13.7	13.1	12.5
26.0						12.2	11.9	11.3	12.2	12.8	12.6	12.3	11.9	11.3	11.3
28.0							11.2	10.5	11.4	11.5	11.2	10.8	10.3	9.8	9.7
30.0							10.7	9.9	10.4	10.2	9.9	9.5	9.0	8.5	8.4
32.0								9.3	9.3	9.0	8.8	8.4	7.9	7.4	7.3
34.0								8.5	8.4	8.1	7.8	7.4	6.9	6.4	6.3
36.0									7.5	7.2	7.0	6.5	6.1	5.5	5.5
38.0									6.8	6.5	6.2	5.8	5.3	4.8	4.7
40.0										5.8	5.5	5.1	4.6	4.1	4.1
42.0										5.2	5.0	4.5	4.0	3.5	3.5
44.0										4.8	4.4	4.0	3.5	3.0	2.9
46.0											3.9	3.5	3.0	2.5	2.4
48.0											3.5	3.1	2.6	2.0	2.0
50.0												2.7	2.2	1.6	1.6
52.0												2.3	1.8	1.3	1.2
54.0													1.5		
56.0													1.3		

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

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

Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación



 m	13.2 m*	13.2 m	17.4 m	21.6 m	25.8 m	30.0 m	34.1 m	38.3 m	42.5 m	46.7 m	50.9 m	55.0 m	59.2 m	63.4 m	68.0 m
3.0	180.0**	164.5**	140.0**	140.0**	114.0**										
3.5	158.0**	147.5**	140.0**	140.0**	114.0**	90.5									
4.0	138.5**	133.5**	133.0**	132.0**	108.5	90.5									
4.5	123.0**	121.5**	121.0**	120.0**	103.5	90.5	70.0								
5.0	110.0	110.0	110.0	109.0	103.0	87.0	70.0	54.5							
6.0	90.5	90.5	90.2	88.8	83.1	77.5	70.0	54.5	43.5						
7.0	76.4	76.4	76.0	69.9	66.3	63.5	58.7	54.5	43.5	34.5					
8.0	65.6	65.6	62.6	57.0	54.6	52.8	51.6	47.9	43.5	34.5	28.5				
9.0	53.0	53.0	52.2	47.7	46.0	45.5	46.6	43.5	39.2	34.5	28.5	23.0			
10.0	43.5	43.5	42.7	40.6	41.6	43.0	40.7	38.0	35.5	33.9	28.5	23.0	18.8		
11.0			35.8	36.9	39.7	37.9	36.0	33.6	31.4	30.0	28.5	23.0	18.8	15.0	
12.0			32.0	34.8	35.1	33.8	32.1	30.0	28.4	26.8	26.0	23.0	18.8	15.0	13.8
14.0			25.8	26.9	27.1	26.9	26.1	24.3	24.4	21.7	21.4	20.9	18.8	15.0	13.8
16.0				21.5	21.8	21.5	21.2	20.0	20.3	19.9	18.8	18.4	17.2	15.0	13.8
18.0				17.7	17.9	17.6	17.3	16.4	17.1	17.4	16.9	16.6	15.0	14.6	13.4
20.0					15.6	14.6	14.7	14.3	15.3	15.7	15.1	14.3	13.4	12.4	12.0
22.0					13.3	12.3	13.6	13.1	13.6	13.3	13.1	12.3	11.5	10.6	10.3
24.0						11.4	11.8	11.8	11.6	11.4	11.2	10.7	10.0	9.1	8.8
26.0						10.1	10.3	10.2	10.1	9.8	9.6	9.1	8.6	7.8	7.6
28.0							9.0	8.9	8.7	8.5	8.3	7.8	7.3	6.7	6.5
30.0							7.9	7.8	7.6	7.4	7.1	6.7	6.2	5.6	5.6
32.0								6.8	6.7	6.4	6.2	5.8	5.3	4.7	4.7
34.0								6.1	5.9	5.6	5.4	4.9	4.5	3.9	3.9
36.0									5.2	4.9	4.7	4.2	3.8	3.2	3.2
38.0									4.6	4.3	4.0	3.6	3.1	2.6	2.5
40.0										3.8	3.5	3.0	2.6	2.0	2.0
42.0										3.3	3.0	2.6	2.1	1.5	1.5
44.0										2.9	2.6	2.1	1.7	1.1	1.1
46.0											2.2	1.7	1.3		
48.0											1.9	1.4			

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

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

Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

			12t	DIN/ISO/EN
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 m	13.2 m*	13.2 m	17.4 m	21.6 m	25.8 m	30.0 m	34.1 m	38.3 m	42.5 m	46.7 m	50.9 m	55.0 m	59.2 m	63.4 m	68.0 m
3.0	173.5**	159.5**	140.0**	140.0**	114.0**										
3.5	149.5**	142.5**	140.0**	140.0**	114.0**	90.5									
4.0	131.0**	128.5**	128.0**	127.0**	108.5	90.5									
4.5	116.0**	115.5**	115.5**	114.5**	103.5	90.5	70.0								
5.0	103.5	103.0	103.0	99.8	91.5	81.6	70.0	54.5							
6.0	84.8	84.7	82.8	73.8	69.1	65.5	59.8	54.5	43.5						
7.0	69.3	69.3	64.1	57.7	54.8	52.6	51.1	47.0	43.5	34.5					
8.0	51.8	51.8	51.2	46.7	46.2	47.9	45.2	41.9	37.6	34.5	28.5				
9.0	40.8	40.8	40.1	41.3	43.5	41.2	38.8	36.0	33.3	31.7	28.5	23.0			
10.0	33.2	33.2	35.4	37.3	37.6	35.8	33.7	31.3	31.0	27.4	26.4	23.0	18.8		
11.0			30.1	31.4	31.7	31.4	29.6	27.3	27.2	23.8	23.1	22.7	18.8	15.0	
12.0			25.6	26.9	27.2	26.9	26.1	24.0	24.1	22.8	22.0	20.0	18.8	15.0	13.8
14.0			18.9	20.1	20.6	20.1	19.8	19.3	20.2	20.4	18.9	17.2	15.9	15.0	13.8
16.0				15.7	16.6	16.1	17.4	17.3	17.2	16.9	16.2	15.2	14.2	13.1	12.5
18.0				12.5	13.4	13.8	14.1	14.0	13.9	13.6	13.4	12.7	11.8	10.8	10.5
20.0					11.0	11.3	11.6	11.5	11.4	11.1	10.9	10.4	9.9	9.0	8.7
22.0					9.2	9.4	9.7	9.6	9.5	9.2	9.0	8.5	8.0	7.4	7.2
24.0						7.9	8.2	8.1	7.9	7.7	7.5	7.0	6.5	5.9	5.9
26.0						6.7	6.9	6.8	6.7	6.4	6.2	5.8	5.3	4.7	4.6
28.0							5.9	5.8	5.7	5.4	5.2	4.7	4.3	3.7	3.6
30.0							5.1	4.9	4.8	4.5	4.3	3.9	3.4	2.8	2.8
32.0								4.2	4.1	3.8	3.6	3.1	2.7	2.1	2.0
34.0								3.6	3.4	3.2	2.9	2.5	2.0	1.4	1.4
36.0									2.9	2.6	2.4	1.9	1.5		
38.0									2.5	2.1	1.9	1.4	1.0		
40.0										1.7	1.4	1.0			
42.0										1.3	1.1				
44.0										1.1					

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

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

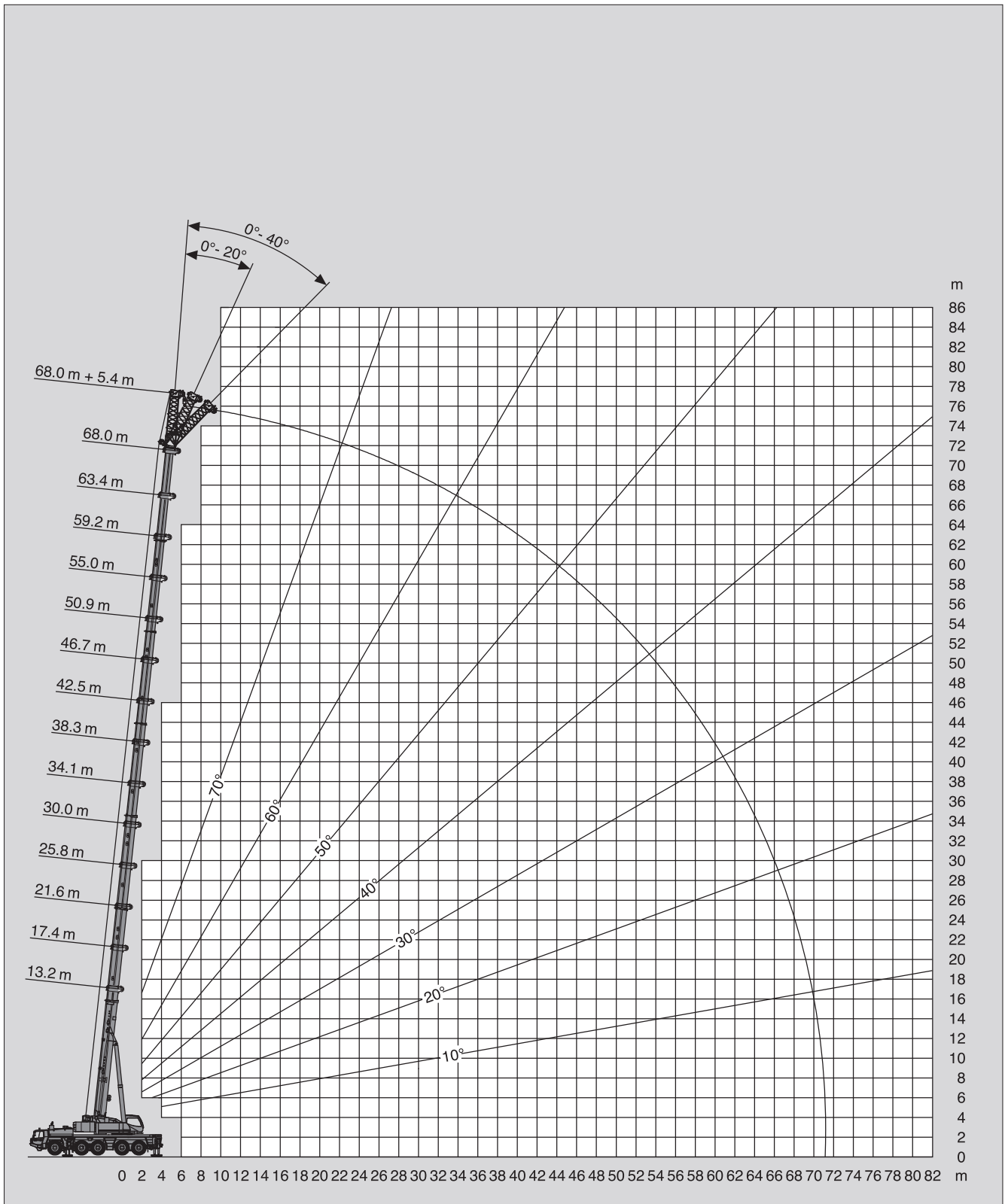
			0t	DIN/ISO/EN
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 m	13.2 m*	13.2 m	17.4 m	21.6 m	25.8 m	30.0 m	34.1 m	38.3 m	42.5 m	46.7 m	50.9 m	55.0 m	59.2 m
3.0	163.5**	153.5**	140.0**	140.0**	114.0**								
3.5	141.0**	137.0**	136.5**	135.5**	114.0**	90.5							
4.0	122.5**	122.5**	122.0**	111.0**	98.1	84.5							
4.5	108.0	108.0	104.0	88.9	80.2	73.8	65.4						
5.0	96.4	96.4	85.0	73.5	67.4	62.9	58.0	53.4					
6.0	68.9	68.9	60.8	53.6	52.1	53.4	49.1	43.5	38.4				
7.0	52.1	52.1	46.5	46.6	46.2	43.0	39.6	35.7	32.2	30.0			
8.0	40.1	40.1	39.9	39.6	37.5	34.9	32.3	29.2	28.8	25.3	23.5		
9.0	30.9	30.9	33.1	32.5	31.1	29.1	27.0	26.0	25.1	23.8	21.6	19.3	
10.0	24.1	24.1	27.2	27.3	26.3	24.7	24.5	24.4	23.3	21.4	18.9	17.9	16.3
11.0			22.1	23.3	23.5	21.5	22.3	21.3	20.3	19.2	18.1	16.8	15.0
12.0			18.3	19.7	20.5	20.1	19.6	18.8	18.0	16.9	16.0	14.8	13.7
14.0			13.1	14.4	15.4	15.8	15.6	14.9	14.3	13.5	12.7	11.7	10.7
16.0				10.8	11.8	12.2	12.5	12.1	11.6	10.9	10.2	9.3	8.5
18.0				8.4	9.2	9.6	9.9	9.8	9.5	8.9	8.3	7.5	6.7
20.0					7.3	7.7	7.9	7.9	7.8	7.3	6.8	6.1	5.3
22.0					5.9	6.2	6.4	6.4	6.2	6.0	5.6	4.9	4.2
24.0						5.0	5.3	5.2	5.0	4.8	4.5	3.9	3.2
26.0						4.1	4.3	4.2	4.1	3.8	3.6	3.1	2.4
28.0							3.5	3.4	3.3	3.0	2.8	2.3	
30.0							2.9	2.7	2.6	2.3	2.1	1.6	
32.0								2.1	2.0	1.7	1.5		
34.0								1.7	1.5	1.2			
36.0									1.1				

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

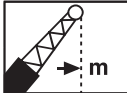
** Mit Zusatzhubausrüstung / ** With additional lifting equipment / ** Avec équipement supplémentaire / ** Con equipo adicional

Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación

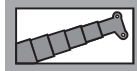
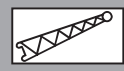
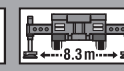
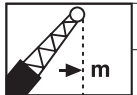


Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

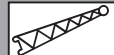
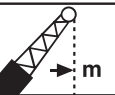


	13.2 m + 5.4 m			34.1 m + 5.4 m			63.4 m + 5.4 m			68.0 m + 5.4 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	47.5											
3.5	45.0	30.4										
4.0	42.6	29.4										
4.5	40.6	28.5										
5.0	38.7	27.6	22.2									
6.0	35.5	26.1	21.4	38.7								
7.0	32.8	24.8	20.7	38.7								
8.0	30.5	23.7	20.1	38.7	28.5							
9.0	28.5	22.7	19.6	38.7	27.7	21.5						
10.0	26.8	21.8	19.3	38.4	27.0	21.2						
11.0	25.2	21.1	18.7	36.4	26.3	20.9						
12.0	23.7	20.1	18.3	34.5	25.6	20.6						
14.0	20.7	18.5		31.2	24.5	20.1	10.9			10.0		
16.0	18.1			28.3	23.5	19.6	10.3	9.6	9.2	9.4	8.8	
18.0				25.9	22.6	19.2	9.8	9.1	8.8	8.9	8.4	8.1
20.0				23.8	21.8	18.9	9.3	8.7	8.4	8.5	8.0	7.7
22.0				22.0	21.1	18.5	8.9	8.3	8.1	8.1	7.7	7.4
24.0				20.4	20.1	18.1	8.5	8.0	7.7	7.8	7.4	7.1
26.0				18.0	18.5	17.9	8.1	7.7	7.4	7.5	7.1	6.9
28.0				15.8	16.2	16.3	7.8	7.5	7.2	7.2	6.9	6.7
30.0				13.9	14.2	14.3	7.5	7.2	7.0	6.9	6.6	6.5
32.0				12.3	12.5		7.2	7.0	6.8	6.6	6.4	6.3
34.0				10.9	11.1		7.0	6.7	6.6	6.4	6.2	6.1
36.0				9.7			6.7	6.5	6.4	6.2	6.0	5.9
38.0							6.5	6.3	6.2	6.0	5.8	5.7
40.0							6.3	6.1	6.0	5.8	5.6	5.5
44.0							6.0	5.8	5.7	5.5	5.3	5.2
48.0							5.4	5.4	5.4	5.2	5.1	5.0
52.0							4.9	4.9	4.9	4.7	4.7	4.7
56.0							4.3	4.4		4.3	4.3	4.3
60.0							3.6	3.6		3.6	3.6	
64.0							2.9			2.9	2.9	
68.0										2.3		

Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

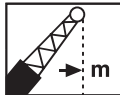
      												
 m	13.2 m + 5.4 m			34.1 m + 5.4 m			63.4 m + 5.4 m			68.0 m + 5.4 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	47.5											
3.5	45.0	30.4										
4.0	42.6	29.4										
4.5	40.6	28.5										
5.0	38.7	27.6	22.2									
6.0	35.5	26.1	21.4	38.7								
7.0	32.8	24.8	20.7	38.7								
8.0	30.5	23.7	20.1	38.7	28.5							
9.0	28.5	22.7	19.6	38.7	27.7	21.5						
10.0	26.8	21.8	19.3	38.4	27.0	21.2						
11.0	25.2	21.1	18.7	36.4	26.3	20.9						
12.0	23.7	20.1	18.3	34.5	25.6	20.6						
14.0	20.7	18.5		31.2	24.5	20.1	10.9			10.0		
16.0	18.1			28.3	23.5	19.6	10.3	9.6	9.2	9.4	8.8	
18.0				23.6	22.6	19.2	9.8	9.1	8.8	8.9	8.4	8.1
20.0				19.6	20.3	18.9	9.3	8.7	8.4	8.5	8.0	7.7
22.0				16.4	17.0	17.4	8.9	8.3	8.1	8.1	7.7	7.4
24.0				13.9	14.4	14.7	8.5	8.0	7.7	7.8	7.4	7.1
26.0				11.8	12.2	12.5	8.1	7.7	7.4	7.5	7.1	6.9
28.0				10.1	10.4	10.6	7.8	7.5	7.2	7.2	6.9	6.7
30.0				8.6	8.9	9.0	7.5	7.2	7.0	6.9	6.6	6.5
32.0				7.4	7.6		7.2	7.0	6.8	6.6	6.4	6.3
34.0				6.3	6.4		7.0	6.7	6.6	6.4	6.2	6.1
36.0				5.4			6.7	6.5	6.4	6.2	6.0	5.9
38.0							6.3	6.3	6.2	6.0	5.8	5.7
40.0							5.5	5.7	5.9	5.7	5.6	5.5
44.0							4.2	4.4	4.5	4.3	4.6	4.7
48.0							3.2	3.3	3.4	3.3	3.5	3.5
52.0							2.3	2.5	2.5	2.4	2.5	2.6
56.0							1.6	1.7		1.7	1.8	1.8

Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

     35t 												
 m	13.2 m + 5.4 m			34.1 m + 5.4 m			63.4 m + 5.4 m			68.0 m + 5.4 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	47.5											
3.5	45.0	30.4										
4.0	42.6	29.4										
4.5	40.6	28.5										
5.0	38.7	27.6	22.2									
6.0	35.5	26.1	21.4	38.7								
7.0	32.8	24.8	20.7	38.7								
8.0	30.5	23.7	20.1	38.7	28.5							
9.0	28.5	22.7	19.6	38.7	27.7	21.5						
10.0	26.8	21.8	19.3	38.4	27.0	21.2						
11.0	25.2	21.1	18.7	36.4	26.3	20.9						
12.0	23.7	20.1	18.3	34.5	25.6	20.6						
14.0	20.7	18.5		29.2	24.5	20.1	10.9			10.0		
16.0	18.1			23.3	23.5	19.6	10.3	9.6	9.2	9.4	8.8	
18.0				18.8	19.6	19.2	9.8	9.1	8.8	8.9	8.4	8.1
20.0				15.3	16.1	16.6	9.3	8.7	8.4	8.5	8.0	7.7
22.0				12.6	13.3	13.6	8.9	8.3	8.1	8.1	7.7	7.4
24.0				10.5	11.0	11.3	8.5	8.0	7.7	7.8	7.4	7.1
26.0				8.7	9.1	9.4	8.1	7.7	7.4	7.5	7.1	6.9
28.0				7.2	7.6	7.7	7.8	7.5	7.2	7.2	6.9	6.7
30.0				6.0	6.3	6.4	7.5	7.2	7.0	6.9	6.6	6.5
32.0				4.9	5.1		6.8	7.0	6.8	6.6	6.4	6.3
34.0				4.0	4.1		5.8	6.1	6.4	6.0	6.2	6.1
36.0				3.2			5.0	5.3	5.5	5.1	5.4	5.6
38.0							4.2	4.5	4.7	4.4	4.6	4.8
40.0							3.6	3.8	3.9	3.7	4.0	4.1
44.0							2.4	2.6	2.8	2.6	2.8	2.9
48.0							1.5	1.7	1.8	1.7	1.8	1.9

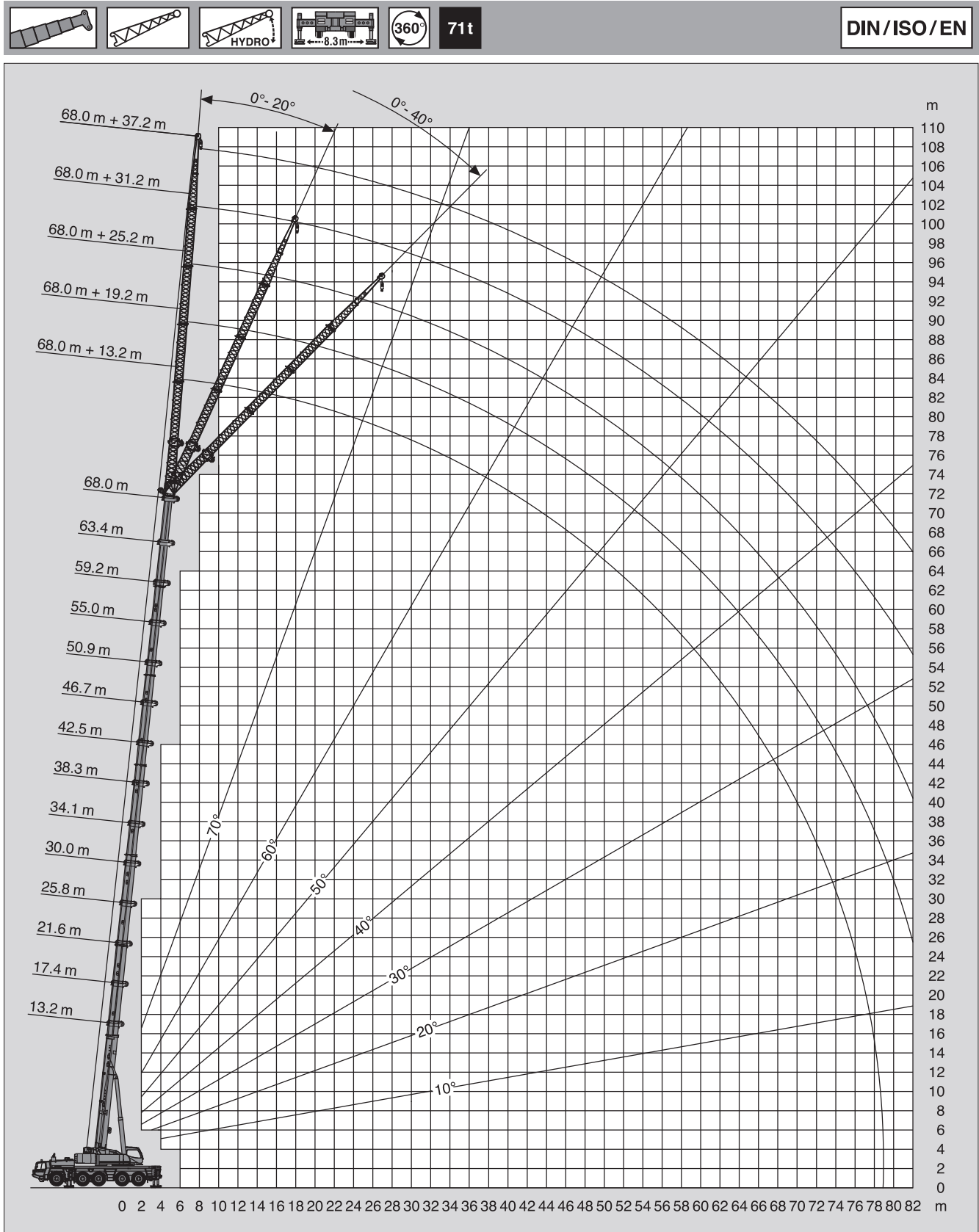
Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación



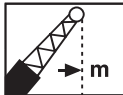
 m	13.2 m + 5.4 m			34.1 m + 5.4 m			63.4 m + 5.4 m			68.0 m + 5.4 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	47.5											
3.5	45.0	30.4										
4.0	42.6	29.4										
4.5	40.6	28.5										
5.0	38.7	27.6	22.2									
6.0	35.5	26.1	21.4	38.7								
7.0	32.8	24.8	20.7	38.7								
8.0	30.5	23.7	20.1	38.7	28.5							
9.0	28.5	22.7	19.6	38.7	27.7	21.5						
10.0	26.8	21.8	19.3	36.8	27.0	21.2						
11.0	25.2	21.1	18.7	32.3	26.3	20.9						
12.0	23.7	20.1	18.3	28.7	25.6	20.6						
14.0	20.7	18.5		22.9	24.1	20.1	10.9			10.0		
16.0	18.1			17.9	19.0	19.6	10.3	9.6	9.2	9.4	8.8	
18.0				14.1	15.0	15.6	9.8	9.1	8.8	8.9	8.4	8.1
20.0				11.1	11.8	12.3	9.3	8.7	8.4	8.5	8.0	7.7
22.0				8.8	9.4	9.8	8.9	8.3	8.1	8.1	7.7	7.4
24.0				6.9	7.4	7.8	8.5	8.0	7.7	7.8	7.4	7.1
26.0				5.4	5.9	6.1	7.5	7.7	7.4	7.5	7.1	6.9
28.0				4.2	4.5	4.7	6.2	6.6	6.9	6.4	6.8	6.7
30.0				3.1	3.4	3.5	5.1	5.5	5.7	5.3	5.7	6.0
32.0				2.2	2.5		4.2	4.5	4.7	4.3	4.7	4.9
34.0				1.5	1.6		3.4	3.7	3.9	3.5	3.8	4.1
36.0							2.7	2.9	3.1	2.8	3.1	3.3
38.0							2.0	2.3	2.5	2.2	2.5	2.7
40.0							1.5	1.7	1.9	1.6	1.9	2.1



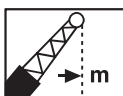
Hubhöhen
Lifting heights
Hauteurs de levage
Alturas de elevación



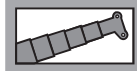
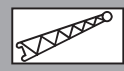
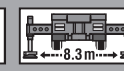
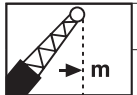


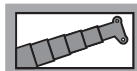
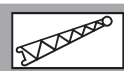
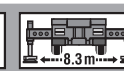
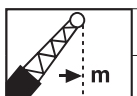
 m	68.0 m + 13.2 m			68.0 m + 19.2 m			68.0 m + 25.2 m			68.0 m + 31.2 m			68.0 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°		
14.0	6.5														
16.0	6.5			4.6											
18.0	6.4			4.6											
20.0	6.3	5.9		4.6			3.6			2.8			2.3		
22.0	6.2	5.9		4.6			3.6			2.8			2.3		
24.0	6.1	5.8	5.4	4.6	4.6		3.6			2.8			2.3		
26.0	6.0	5.6	5.2	4.6	4.6		3.6			2.8			2.3		
28.0	5.9	5.4	5.0	4.6	4.4		3.6	3.6		2.8			2.3		
30.0	5.7	5.2	4.9	4.6	4.3	3.9	3.6	3.6		2.8			2.3		
32.0	5.5	5.0	4.7	4.6	4.1	3.8	3.6	3.4		2.8			2.3		
34.0	5.3	4.8	4.6	4.5	4.0	3.7	3.6	3.3		2.8	2.7		2.3		
36.0	5.2	4.7	4.5	4.3	3.9	3.6	3.6	3.2	3.0	2.8	2.6		2.3		
38.0	5.0	4.5	4.3	4.2	3.8	3.5	3.5	3.1	2.9	2.8	2.6		2.3		
40.0	4.8	4.4	4.2	4.0	3.6	3.4	3.4	3.0	2.8	2.8	2.5		2.3		
44.0	4.5	4.2	4.0	3.8	3.4	3.2	3.2	2.8	2.6	2.7	2.3	2.1	2.2		
48.0	4.3	4.0	3.8	3.6	3.2	3.1	3.0	2.7	2.5	2.5	2.2	2.0	2.1		
52.0	4.0	3.8	3.7	3.4	3.1	2.9	2.8	2.5	2.4	2.3	2.0	1.9	1.9		
56.0	3.8	3.6	3.5	3.2	2.9	2.8	2.6	2.4	2.3	2.1	1.9	1.8	1.8		
60.0	3.6	3.5	3.4	3.0	2.8	2.7	2.5	2.2	2.2	2.0	1.8	1.7	1.7		
64.0	3.2	3.3	3.3	2.9	2.7	2.6	2.4	2.1	2.1	1.9	1.7	1.6	1.5		
68.0	2.7	2.9		2.7	2.6	2.5	2.3	2.1	2.0	1.8	1.6	1.5	1.4		
72.0	2.2	2.3		2.4	2.5	2.5	2.1	2.0	1.9	1.7	1.5	1.4	1.3		
76.0	1.7	1.8		1.9	2.1		1.9	1.9	1.8	1.6	1.4	1.3			
80.0				1.5	1.6		1.5	1.8		1.4	1.3				
84.0								1.4							



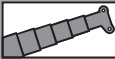
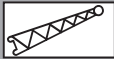
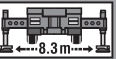
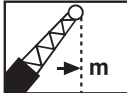
 m	63.4 m + 13.2 m			63.4 m + 19.2 m			63.4 m + 25.2 m			63.4 m + 31.2 m			63.4 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	
14.0	7.5			5.2											
16.0	7.3			5.2			4.0			3.2					
18.0	7.2			5.2			4.0			3.2			2.5		
20.0	7.0	6.7		5.2			4.0			3.2			2.5		
22.0	6.9	6.4		5.2	5.2		4.0			3.2			2.5		
24.0	6.8	6.2	5.7	5.2	5.1		4.0			3.2			2.5		
26.0	6.7	6.0	5.5	5.2	4.9		4.0	4.0		3.2			2.5		
28.0	6.4	5.8	5.4	5.2	4.7		4.0	3.9		3.2			2.5		
30.0	6.2	5.6	5.2	5.2	4.5	4.2	4.0	3.8		3.2	3.0		2.5		
32.0	5.9	5.4	5.0	5.0	4.4	4.1	4.0	3.6		3.2	3.0		2.5		
34.0	5.7	5.2	4.9	4.8	4.3	3.9	4.0	3.5	3.2	3.2	2.9		2.5	2.1	
36.0	5.5	5.0	4.8	4.6	4.1	3.8	3.9	3.4	3.1	3.2	2.8		2.5	2.1	
38.0	5.4	4.9	4.6	4.5	4.0	3.7	3.8	3.3	3.0	3.2	2.7		2.4	2.0	
40.0	5.2	4.7	4.5	4.3	3.9	3.6	3.7	3.2	3.0	3.1	2.6	2.4	2.4	2.0	
44.0	4.9	4.5	4.3	4.1	3.7	3.4	3.4	3.0	2.8	2.8	2.4	2.3	2.3	1.9	
48.0	4.6	4.3	4.1	3.8	3.5	3.3	3.2	2.8	2.7	2.7	2.3	2.1	2.2	1.8	
52.0	4.4	4.1	4.0	3.6	3.3	3.2	3.0	2.7	2.5	2.5	2.2	2.0	2.1	1.7	
56.0	4.0	3.9	3.9	3.5	3.1	3.0	2.8	2.6	2.4	2.3	2.0	1.9	1.9	1.6	
60.0	3.7	3.7	3.6	3.3	3.0	2.9	2.7	2.4	2.3	2.2	1.9	1.8	1.8	1.5	
64.0	3.4	3.4		3.0	2.9	2.8	2.6	2.3	2.2	2.0	1.8	1.7	1.7	1.4	
68.0	2.8	3.0		2.8	2.7	2.7	2.4	2.2	2.1	1.9	1.7	1.6	1.5	1.4	
72.0	2.3	2.4		2.4	2.5		2.2	2.1	2.0	1.8	1.6	1.5	1.4	1.3	
76.0				2.0	2.1		2.0	2.0		1.6	1.5	1.4	1.3		
80.0							1.7	1.9		1.5	1.4	1.3			
84.0							1.3	1.4		1.3	1.3				

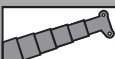
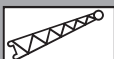
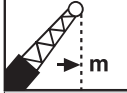
Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

     71t DIN/ISO/EN															
 m	34.1 m + 13.2 m			34.1 m + 19.2 m			34.1 m + 25.2 m			34.1 m + 31.2 m			34.1 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
6.0	17.9														
7.0	17.2			13.1											
8.0	16.4			13.1			8.9								
9.0	15.8			13.1			8.9			5.7					
10.0	15.1			12.9			8.9			5.7			4.1		
11.0	14.5	10.4		12.6			8.9			5.7			4.1		
12.0	14.0	10.2		12.3			8.9			5.7			4.1		
14.0	13.0	9.6		11.6			8.8			5.7			4.1		
16.0	12.1	9.1	7.6	10.9	8.2		8.4			5.7			4.1		
18.0	11.4	8.7	7.3	10.3	7.8		7.9			5.7			4.1		
20.0	10.7	8.3	7.1	9.7	7.4	5.8	7.5	5.7		5.7			4.1		
22.0	10.1	8.0	6.9	9.1	7.1	5.6	7.1	5.4		5.4			4.1		
24.0	9.6	7.7	6.8	8.7	6.8	5.4	6.7	5.2		5.2	4.1		3.9		
26.0	9.1	7.5	6.6	8.2	6.5	5.2	6.3	5.0		5.0	3.9		3.8		
28.0	8.7	7.2	6.5	7.8	6.2	5.0	6.0	4.8	3.8	4.7	3.7		3.6		
30.0	8.3	7.0	6.4	7.5	5.9	4.9	5.7	4.6	3.7	4.5	3.6		3.4	2.8	
32.0	7.9	6.8	6.3	7.1	5.6	4.7	5.5	4.4	3.5	4.3	3.4	2.7	3.3	2.7	
34.0	7.6	6.7	6.3	6.8	5.4	4.6	5.2	4.2	3.4	4.1	3.3	2.6	3.2	2.6	
36.0	7.4	6.5	6.3	6.4	5.2	4.5	5.0	4.0	3.3	3.9	3.1	2.5	3.0	2.5	
38.0	7.1	6.4		6.0	4.9	4.4	4.8	3.8	3.2	3.8	2.9	2.4	2.9	2.4	1.8
40.0	6.9	6.3		5.7	4.8	4.3	4.5	3.6	3.1	3.6	2.8	2.3	2.8	2.2	1.8
44.0	6.7			5.1	4.5		4.0	3.4	3.0	3.2	2.6	2.2	2.6	2.0	1.6
48.0				4.6	4.3		3.6	3.1	2.9	2.8	2.4	2.1	2.3	1.8	1.5
52.0							3.2	2.9		2.5	2.2	2.0	2.0	1.7	1.4
56.0							2.9			2.3	2.0		1.8	1.5	1.4
60.0										2.0	1.9		1.6	1.4	1.3
64.0													1.5	1.3	
68.0													1.3		

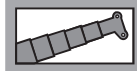
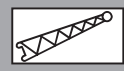
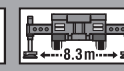
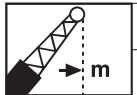
     71t DIN/ISO/EN															
 m	13.2 m + 13.2 m			13.2 m + 19.2 m			13.2 m + 25.2 m			13.2 m + 31.2 m			13.2 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	18.0														
3.5	18.0			16.0											
4.0	18.0			15.7			10.4								
4.5	17.4			15.4			10.4								
5.0	16.7			15.0			10.4			6.4					
6.0	15.4			14.3			10.4			6.4			4.6		
7.0	14.4	11.5		13.6			10.4			6.4			4.6		
8.0	13.4	10.9		13.0			10.4			6.4			4.6		
9.0	12.6	10.3		12.4			10.0			6.4			4.6		
10.0	11.9	9.8		11.7			9.5			6.4			4.6		
11.0	11.2	9.4		11.1	9.0		9.0			6.4			4.6		
12.0	10.6	9.0	7.9	10.5	8.6		8.6			6.4			4.6		
14.0	9.6	8.3	7.4	9.5	7.9		7.8			6.3			4.6		
16.0	8.8	7.8	7.1	8.7	7.1	5.9	7.1	6.0		5.8			4.5		
18.0	8.1	7.3	6.8	7.8	6.5	5.5	6.5	5.6		5.4			4.2		
20.0	7.5	6.9	6.7	7.0	5.9	5.2	6.0	5.0		5.0			4.0		
22.0	7.1	6.7		6.3	5.5	4.9	5.5	4.6		4.6	3.9		3.7		
24.0				5.7	5.1	4.6	4.9	4.2		4.3	3.6		3.5	3.1	
26.0				5.2	4.7	4.4	4.5	3.9	3.5	3.8	3.3		3.3	2.9	
28.0				4.7	4.5		4.1	3.6	3.3	3.5	3.0		3.1	2.6	
30.0							3.7	3.4	3.1	3.2	2.8		2.8	2.4	
32.0							3.4	3.2	3.0	2.9	2.6	2.4	2.5	2.2	
34.0							3.2	3.0		2.7	2.4	2.2	2.3	2.1	
36.0							2.9			2.5	2.3	2.1	2.1	1.9	1.7
38.0										2.3	2.2	2.0	2.0	1.8	1.6
40.0										2.1	2.0		1.8	1.7	1.5
44.0													1.5	1.5	1.4
48.0													1.3	1.3	

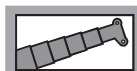
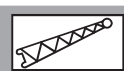
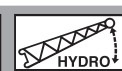
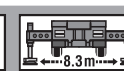
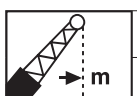
Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

     47t DIN/ISO/EN															
	68.0 m + 13.2 m			68.0 m + 19.2 m			68.0 m + 25.2 m			68.0 m + 31.2 m			68.0 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°		
14.0	6.5														
16.0	6.5			4.6											
18.0	6.4			4.6											
20.0	6.3	5.9		4.6			3.6			2.8			2.3		
22.0	6.2	5.9		4.6			3.6			2.8			2.3		
24.0	6.1	5.8	5.4	4.6	4.6		3.6			2.8			2.3		
26.0	6.0	5.6	5.2	4.6	4.6		3.6			2.8			2.3		
28.0	5.9	5.4	5.0	4.6	4.4		3.6	3.6		2.8			2.3		
30.0	5.7	5.2	4.9	4.6	4.3	3.9	3.6	3.6		2.8			2.3		
32.0	5.5	5.0	4.7	4.6	4.1	3.8	3.6	3.4		2.8			2.3		
34.0	5.3	4.8	4.6	4.5	4.0	3.7	3.6	3.3		2.8	2.7		2.3		
36.0	5.2	4.7	4.5	4.3	3.9	3.6	3.6	3.2	3.0	2.8	2.6		2.3		
38.0	5.0	4.5	4.3	4.2	3.8	3.5	3.5	3.1	2.9	2.8	2.6		2.3		
40.0	4.8	4.4	4.2	4.0	3.6	3.4	3.4	3.0	2.8	2.8	2.5		2.3		
44.0	4.5	4.2	4.0	3.8	3.4	3.2	3.2	2.8	2.6	2.7	2.3	2.1	2.2		
48.0	3.8	4.0	3.8	3.6	3.2	3.1	3.0	2.7	2.5	2.5	2.2	2.0	2.1		
52.0	2.9	3.3	3.6	3.2	3.1	2.9	2.8	2.5	2.4	2.3	2.0	1.9	1.9		
56.0	2.2	2.5	2.8	2.5	2.9	2.8	2.6	2.4	2.3	2.1	1.9	1.8	1.8		
60.0	1.5	1.8	2.0	1.8	2.3	2.6	1.9	2.2	2.2	1.9	1.8	1.7	1.7		
64.0		1.2	1.4	1.2	1.6	1.9	1.3	1.9	2.1	1.3	1.7	1.6	1.4		
68.0						1.3		1.3	1.7		1.5	1.5			
72.0											1.4				

     47t DIN/ISO/EN															
	63.4 m + 13.2 m			63.4 m + 19.2 m			63.4 m + 25.2 m			63.4 m + 31.2 m			63.4 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	
14.0	7.5			5.2											
16.0	7.3			5.2			4.0			3.2					
18.0	7.2			5.2			4.0			3.2			2.5		
20.0	7.0	6.7		5.2			4.0			3.2			2.5		
22.0	6.9	6.4		5.2	5.2		4.0			3.2			2.5		
24.0	6.8	6.2	5.7	5.2	5.1		4.0			3.2			2.5		
26.0	6.7	6.0	5.5	5.2	4.9		4.0	4.0		3.2			2.5		
28.0	6.4	5.8	5.4	5.2	4.7		4.0	3.9		3.2			2.5		
30.0	6.2	5.6	5.2	5.2	4.5	4.2	4.0	3.8		3.2	3.0		2.5		
32.0	5.9	5.4	5.0	5.0	4.4	4.1	4.0	3.6		3.2	3.0		2.5		
34.0	5.7	5.2	4.9	4.8	4.3	3.9	4.0	3.5	3.2	3.2	2.9		2.5	2.1	
36.0	5.5	5.0	4.8	4.6	4.1	3.8	3.9	3.4	3.1	3.2	2.8		2.5	2.1	
38.0	5.4	4.9	4.6	4.5	4.0	3.7	3.8	3.3	3.0	3.2	2.7		2.4	2.0	
40.0	5.2	4.7	4.5	4.3	3.9	3.6	3.7	3.2	3.0	3.1	2.6	2.4	2.4	2.0	
44.0	4.9	4.5	4.3	4.1	3.7	3.4	3.4	3.0	2.8	2.8	2.4	2.3	2.3	1.9	
48.0	3.9	4.3	4.1	3.8	3.5	3.3	3.2	2.8	2.7	2.7	2.3	2.1	2.2	1.8	
52.0	3.0	3.4	3.7	3.2	3.3	3.2	3.0	2.7	2.5	2.5	2.2	2.0	2.1	1.7	
56.0	2.3	2.6	2.8	2.4	3.0	3.0	2.7	2.6	2.4	2.3	2.0	1.9	1.9	1.6	
60.0	1.6	1.9	2.1	1.8	2.2	2.5	2.0	2.4	2.3	2.1	1.9	1.8	1.8	1.5	
64.0		1.3		1.2	1.6	1.8	1.5	2.0	2.2	1.5	1.8	1.7	1.6	1.4	
68.0						1.2		1.4	1.7		1.6	1.6		1.4	
72.0											1.4			1.3	

Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

     47t DIN / ISO / EN															
 m	34.1 m + 13.2 m			34.1 m + 19.2 m			34.1 m + 25.2 m			34.1 m + 31.2 m			34.1 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
6.0	17.9														
7.0	17.2			13.1											
8.0	16.4			13.1			8.9								
9.0	15.8			13.1			8.9			5.7					
10.0	15.1			12.9			8.9			5.7			4.1		
11.0	14.5	10.4		12.6			8.9			5.7			4.1		
12.0	14.0	10.2		12.3			8.9			5.7			4.1		
14.0	13.0	9.6		11.6			8.8			5.7			4.1		
16.0	12.1	9.1	7.6	10.9	8.2		8.4			5.7			4.1		
18.0	11.4	8.7	7.3	10.3	7.8		7.9			5.7			4.1		
20.0	10.7	8.3	7.1	9.7	7.4	5.8	7.5	5.7		5.7			4.1		
22.0	10.1	8.0	6.9	9.1	7.1	5.6	7.1	5.4		5.4			4.1		
24.0	9.6	7.7	6.8	8.7	6.8	5.4	6.7	5.2		5.2	4.1		3.9		
26.0	9.1	7.5	6.6	8.2	6.5	5.2	6.3	5.0		5.0	3.9		3.8		
28.0	8.7	7.2	6.5	7.8	6.2	5.0	6.0	4.8	3.8	4.7	3.7		3.6		
30.0	8.3	7.0	6.4	7.5	5.9	4.9	5.7	4.6	3.7	4.5	3.6		3.4	2.8	
32.0	7.9	6.8	6.3	7.1	5.6	4.7	5.5	4.4	3.5	4.3	3.4	2.7	3.3	2.7	
34.0	7.6	6.7	6.3	6.8	5.4	4.6	5.2	4.2	3.4	4.1	3.3	2.6	3.2	2.6	
36.0	6.8	6.5	6.3	6.4	5.2	4.5	5.0	4.0	3.3	3.9	3.1	2.5	3.0	2.5	
38.0	5.9	6.4		6.0	4.9	4.4	4.8	3.8	3.2	3.8	2.9	2.4	2.9	2.4	1.8
40.0	5.2	5.6		5.7	4.8	4.3	4.5	3.6	3.1	3.6	2.8	2.3	2.8	2.2	1.8
44.0	3.9			4.5	4.5		4.0	3.4	3.0	3.2	2.6	2.2	2.6	2.0	1.6
48.0				3.5	3.8		3.6	3.1	2.9	2.8	2.4	2.1	2.3	1.8	1.5
52.0							3.1	2.9		2.5	2.2	2.0	2.0	1.7	1.4
56.0							2.3			2.3	2.0		1.8	1.5	1.4
60.0										2.0	1.9		1.6	1.4	1.3
64.0													1.5	1.3	
68.0													1.2		

     47t DIN / ISO / EN															
 m	13.2 m + 13.2 m			13.2 m + 19.2 m			13.2 m + 25.2 m			13.2 m + 31.2 m			13.2 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	18.0														
3.5	18.0			16.0											
4.0	18.0			15.7			10.4								
4.5	17.4			15.4			10.4								
5.0	16.7			15.0			10.4			6.4					
6.0	15.4			14.3			10.4			6.4			4.6		
7.0	14.4	11.5		13.6			10.4			6.4			4.6		
8.0	13.4	10.9		13.0			10.4			6.4			4.6		
9.0	12.6	10.3		12.4			10.0			6.4			4.6		
10.0	11.9	9.8		11.7			9.5			6.4			4.6		
11.0	11.2	9.4		11.1	9.0		9.0			6.4			4.6		
12.0	10.6	9.0	7.9	10.5	8.6		8.6			6.4			4.6		
14.0	9.6	8.3	7.4	9.5	7.9		7.8			6.3			4.6		
16.0	8.8	7.8	7.1	8.7	7.1	5.9	7.1	6.0		5.8			4.5		
18.0	8.1	7.3	6.8	7.8	6.5	5.5	6.5	5.6		5.4			4.2		
20.0	7.5	6.9	6.7	7.0	5.9	5.2	6.0	5.0		5.0			4.0		
22.0	7.1	6.7		6.3	5.5	4.9	5.5	4.6		4.6	3.9		3.7		
24.0				5.7	5.1	4.6	4.9	4.2		4.3	3.6		3.5	3.1	
26.0				5.2	4.7	4.4	4.5	3.9	3.5	3.8	3.3		3.3	2.9	
28.0				4.7	4.5		4.1	3.6	3.3	3.5	3.0		3.1	2.6	
30.0							3.7	3.4	3.1	3.2	2.8		2.8	2.4	
32.0							3.4	3.2	3.0	2.9	2.6	2.4	2.5	2.2	
34.0							3.2	3.0		2.7	2.4	2.2	2.3	2.1	
36.0							2.9			2.5	2.3	2.1	2.1	1.9	1.7
38.0										2.3	2.2	2.0	2.0	1.8	1.6
40.0										2.1	2.0		1.8	1.7	1.5
44.0													1.5	1.5	1.4
48.0													1.3	1.3	

Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación



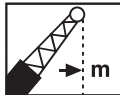
 m	68.0 m + 13.2 m			68.0 m + 19.2 m			68.0 m + 25.2 m			68.0 m + 31.2 m			68.0 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°		
14.0	6.5														
16.0	6.5			4.6											
18.0	6.4			4.6											
20.0	6.3	5.9		4.6			3.6			2.8			2.3		
22.0	6.2	5.9		4.6			3.6			2.8			2.3		
24.0	6.1	5.8	5.4	4.6	4.6		3.6			2.8			2.3		
26.0	6.0	5.6	5.2	4.6	4.6		3.6			2.8			2.3		
28.0	5.9	5.4	5.0	4.6	4.4		3.6	3.6		2.8			2.3		
30.0	5.7	5.2	4.9	4.6	4.3	3.9	3.6	3.6		2.8			2.3		
32.0	5.5	5.0	4.7	4.6	4.1	3.8	3.6	3.4		2.8			2.3		
34.0	5.3	4.8	4.6	4.5	4.0	3.7	3.6	3.3		2.8	2.7		2.3		
36.0	5.2	4.7	4.5	4.3	3.9	3.6	3.6	3.2	3.0	2.8	2.6		2.3		
38.0	4.9	4.5	4.3	4.2	3.8	3.5	3.5	3.1	2.9	2.8	2.6		2.3		
40.0	4.3	4.4	4.2	4.0	3.6	3.4	3.4	3.0	2.8	2.8	2.5		2.3		
44.0	3.1	3.7	4.0	3.5	3.4	3.2	3.2	2.8	2.6	2.7	2.3	2.1	2.2		
48.0	2.2	2.7	3.1	2.5	3.2	3.1	2.6	2.7	2.5	2.5	2.2	2.0	2.1		
52.0	1.4	1.9	2.2	1.7	2.4	2.9	1.8	2.5	2.4	1.9	2.0	1.9	1.9		
56.0			1.4		1.6	2.0	1.2	1.9	2.3	1.2	1.9	1.8	1.3		
60.0						1.3		1.3	1.8		1.5	1.7			
64.0											1.5				



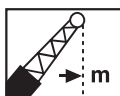
 m	63.4 m + 13.2 m			63.4 m + 19.2 m			63.4 m + 25.2 m			63.4 m + 31.2 m			63.4 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	
14.0	7.5			5.2											
16.0	7.3			5.2			4.0			3.2					
18.0	7.2			5.2			4.0			3.2			2.5		
20.0	7.0	6.7		5.2			4.0			3.2			2.5		
22.0	6.9	6.4		5.2	5.2		4.0			3.2			2.5		
24.0	6.8	6.2	5.7	5.2	5.1		4.0			3.2			2.5		
26.0	6.7	6.0	5.5	5.2	4.9		4.0	4.0		3.2			2.5		
28.0	6.4	5.8	5.4	5.2	4.7		4.0	3.9		3.2			2.5		
30.0	6.2	5.6	5.2	5.2	4.5	4.2	4.0	3.8		3.2	3.0		2.5		
32.0	5.9	5.4	5.0	5.0	4.4	4.1	4.0	3.6		3.2	3.0		2.5		
34.0	5.7	5.2	4.9	4.8	4.3	3.9	4.0	3.5	3.2	3.2	2.9		2.5	2.1	
36.0	5.5	5.0	4.8	4.6	4.1	3.8	3.9	3.4	3.1	3.2	2.8		2.5	2.1	
38.0	5.1	4.9	4.6	4.5	4.0	3.7	3.8	3.3	3.0	3.2	2.7		2.4	2.0	
40.0	4.4	4.7	4.5	4.3	3.9	3.6	3.7	3.2	3.0	3.1	2.6	2.4	2.4	2.0	
44.0	3.2	3.8	4.2	3.4	3.7	3.4	3.4	3.0	2.8	2.8	2.4	2.3	2.3	1.9	
48.0	2.3	2.8	3.1	2.5	3.2	3.3	2.8	2.8	2.7	2.7	2.3	2.1	2.2	1.8	
52.0	1.5	1.9	2.2	1.7	2.3	2.8	2.0	2.7	2.5	2.0	2.2	2.0	2.1	1.7	
56.0		1.2	1.4		1.6	1.9	1.3	2.0	2.4	1.4	2.0	1.9	1.4	1.6	
60.0						1.2		1.4	1.8		1.6	1.8		1.5	
64.0									1.2		1.5			1.2	

Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

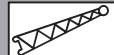


 m	34.1 m + 13.2 m			34.1 m + 19.2 m			34.1 m + 25.2 m			34.1 m + 31.2 m			34.1 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
6.0	17.9														
7.0	17.2			13.1											
8.0	16.4			13.1			8.9								
9.0	15.8			13.1			8.9			5.7					
10.0	15.1			12.9			8.9			5.7			4.1		
11.0	14.5	10.4		12.6			8.9			5.7			4.1		
12.0	14.0	10.2		12.3			8.9			5.7			4.1		
14.0	13.0	9.6		11.6			8.8			5.7			4.1		
16.0	12.1	9.1	7.6	10.9	8.2		8.4			5.7			4.1		
18.0	11.4	8.7	7.3	10.3	7.8		7.9			5.7			4.1		
20.0	10.7	8.3	7.1	9.7	7.4	5.8	7.5	5.7		5.7			4.1		
22.0	10.1	8.0	6.9	9.1	7.1	5.6	7.1	5.4		5.4			4.1		
24.0	9.6	7.7	6.8	8.7	6.8	5.4	6.7	5.2		5.2	4.1		3.9		
26.0	9.1	7.5	6.6	8.2	6.5	5.2	6.3	5.0		5.0	3.9		3.8		
28.0	8.7	7.2	6.5	7.8	6.2	5.0	6.0	4.8	3.8	4.7	3.7		3.6		
30.0	7.5	7.0	6.4	7.5	5.9	4.9	5.7	4.6	3.7	4.5	3.6		3.4	2.8	
32.0	6.4	6.8	6.3	7.0	5.6	4.7	5.5	4.4	3.5	4.3	3.4	2.7	3.3	2.7	
34.0	5.4	6.1	6.3	6.1	5.4	4.6	5.2	4.2	3.4	4.1	3.3	2.6	3.2	2.6	
36.0	4.6	5.2	5.6	5.2	5.2	4.5	5.0	4.0	3.3	3.9	3.1	2.5	3.0	2.5	
38.0	3.8	4.4		4.5	4.9	4.4	4.8	3.8	3.2	3.8	2.9	2.4	2.9	2.4	1.8
40.0	3.2	3.6		3.8	4.6	4.3	4.4	3.6	3.1	3.6	2.8	2.3	2.8	2.2	1.8
44.0	2.1			2.7	3.3		3.3	3.4	3.0	3.2	2.6	2.2	2.6	2.0	1.6
48.0				1.8	2.2		2.4	3.0	2.9	2.7	2.4	2.1	2.3	1.8	1.5
52.0							1.6	2.0		1.9	2.2	2.0	2.0	1.7	1.4
56.0										1.2	1.8		1.5	1.5	1.4
60.0													1.4	1.3	

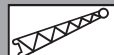


 m	13.2 m + 13.2 m			13.2 m + 19.2 m			13.2 m + 25.2 m			13.2 m + 31.2 m			13.2 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	18.0														
3.5	18.0			16.0											
4.0	18.0			15.7			10.4								
4.5	17.4			15.4			10.4								
5.0	16.7			15.0			10.4			6.4					
6.0	15.4			14.3			10.4			6.4			4.6		
7.0	14.4	11.5		13.6			10.4			6.4			4.6		
8.0	13.4	10.9		13.0			10.4			6.4			4.6		
9.0	12.6	10.3		12.4			10.0			6.4			4.6		
10.0	11.9	9.8		11.7			9.5			6.4			4.6		
11.0	11.2	9.4		11.1	9.0		9.0			6.4			4.6		
12.0	10.6	9.0	7.9	10.5	8.6		8.6			6.4			4.6		
14.0	9.6	8.3	7.4	9.5	7.9		7.8			6.3			4.6		
16.0	8.8	7.8	7.1	8.7	7.1	5.9	7.1	6.0		5.8			4.5		
18.0	8.1	7.3	6.8	7.8	6.5	5.5	6.5	5.6		5.4			4.2		
20.0	7.5	6.9	6.7	7.0	5.9	5.2	6.0	5.0		5.0			4.0		
22.0	7.1	6.7		6.3	5.5	4.9	5.5	4.6		4.6	3.9		3.7		
24.0				5.7	5.1	4.6	4.9	4.2		4.3	3.6		3.5	3.1	
26.0				5.2	4.7	4.4	4.5	3.9	3.5	3.8	3.3		3.3	2.9	
28.0				4.7	4.5		4.1	3.6	3.3	3.5	3.0		3.1	2.6	
30.0							3.7	3.4	3.1	3.2	2.8		2.8	2.4	
32.0							3.4	3.2	3.0	2.9	2.6	2.4	2.5	2.2	
34.0							3.2	3.0		2.7	2.4	2.2	2.3	2.1	
36.0							2.9			2.5	2.3	2.1	2.1	1.9	1.7
38.0										2.3	2.2	2.0	2.0	1.8	1.6
40.0										2.1	2.0		1.8	1.7	1.5
44.0													1.5	1.5	1.4
48.0													1.3	1.3	

Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación

					23.5t	DIN/ISO/EN
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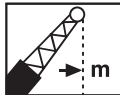
	68.0 m + 13.2 m			68.0 m + 19.2 m			68.0 m + 25.2 m			68.0 m + 31.2 m			68.0 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°			0°		
14.0	6.5														
16.0	6.5			4.6											
18.0	6.4			4.6											
20.0	6.3	5.9		4.6			3.6			2.8			2.3		
22.0	6.2	5.9		4.6			3.6			2.8			2.3		
24.0	6.1	5.8	5.4	4.6	4.6		3.6			2.8			2.3		
26.0	6.0	5.6	5.2	4.6	4.6		3.6			2.8			2.3		
28.0	5.9	5.4	5.0	4.6	4.4		3.6	3.6		2.8			2.3		
30.0	5.7	5.2	4.9	4.6	4.3	3.9	3.6	3.6		2.8			2.3		
32.0	4.9	5.0	4.7	4.6	4.1	3.8	3.6	3.4		2.8			2.3		
34.0	4.1	4.8	4.6	4.5	4.0	3.7	3.6	3.3		2.8			2.3		
36.0	3.4	4.2	4.5	3.8	3.9	3.6	3.6	3.2	3.0	2.8			2.3		
38.0	2.8	3.5	4.1	3.1	3.8	3.5	3.3	3.1	2.9	2.8			2.3		
40.0	2.2	2.9	3.4	2.6	3.5	3.4	2.7	3.0	2.8	2.7			2.3		
44.0	1.3	1.9	2.3	1.6	2.5	3.1	1.7	2.8	2.6	1.8			1.9		
48.0			1.4		1.6	2.1		1.9	2.5						
52.0						1.3		1.2	1.8						

					23.5t	DIN/ISO/EN
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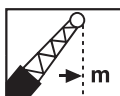
	63.4 m + 13.2 m			63.4 m + 19.2 m			63.4 m + 25.2 m			63.4 m + 31.2 m			63.4 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°		0°		
14.0	7.5			5.2											
16.0	7.3			5.2			4.0			3.2					
18.0	7.2			5.2			4.0			3.2			2.5		
20.0	7.0	6.7		5.2			4.0			3.2			2.5		
22.0	6.9	6.4		5.2	5.2		4.0			3.2			2.5		
24.0	6.8	6.2	5.7	5.2	5.1		4.0			3.2			2.5		
26.0	6.7	6.0	5.5	5.2	4.9		4.0	4.0		3.2			2.5		
28.0	6.4	5.8	5.4	5.2	4.7		4.0	3.9		3.2			2.5		
30.0	6.0	5.6	5.2	5.2	4.5	4.2	4.0	3.8		3.2	3.0		2.5		
32.0	5.0	5.4	5.0	5.0	4.4	4.1	4.0	3.6		3.2	3.0		2.5		
34.0	4.2	5.0	4.9	4.4	4.3	3.9	4.0	3.5	3.2	3.2	2.9		2.5		
36.0	3.5	4.3	4.8	3.7	4.1	3.8	3.9	3.4	3.1	3.2	2.8		2.5		
38.0	2.9	3.6	4.1	3.1	4.0	3.7	3.4	3.3	3.0	3.2	2.7		2.4		
40.0	2.3	3.0	3.5	2.5	3.4	3.6	2.8	3.2	3.0	2.9	2.6		2.4		
44.0	1.4	1.9	2.4	1.6	2.4	3.0	1.9	2.9	2.8	1.9	2.4		2.0		
48.0			1.4		1.5	2.0		2.0	2.7		2.3		1.2		
52.0						1.2		1.3	1.9		1.5				
56.0									1.2						

Tragfähigkeiten
Lifting capacities
Capacités de levage
Capacidades de elevación



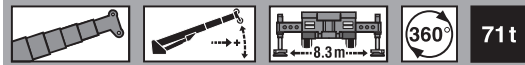
 m	34.1 m + 13.2 m			34.1 m + 19.2 m			34.1 m + 25.2 m			34.1 m + 31.2 m			34.1 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
6.0	17.9														
7.0	17.2			13.1											
8.0	16.4			13.1			8.9								
9.0	15.8			13.1			8.9			5.7					
10.0	15.1			12.9			8.9			5.7			4.1		
11.0	14.5	10.4		12.6			8.9			5.7			4.1		
12.0	14.0	10.2		12.3			8.9			5.7			4.1		
14.0	13.0	9.6		11.6			8.8			5.7			4.1		
16.0	12.1	9.1	7.6	10.9	8.2		8.4			5.7			4.1		
18.0	11.4	8.7	7.3	10.3	7.8		7.9			5.7			4.1		
20.0	10.7	8.3	7.1	9.7	7.4	5.8	7.5	5.7		5.7			4.1		
22.0	10.1	8.0	6.9	9.1	7.1	5.6	7.1	5.4		5.4			4.1		
24.0	8.5	7.7	6.8	8.7	6.8	5.4	6.7	5.2		5.2	4.1		3.9		
26.0	7.0	7.5	6.6	7.7	6.5	5.2	6.3	5.0		5.0	3.9		3.8		
28.0	5.7	6.8	6.5	6.4	6.2	5.0	6.0	4.8	3.8	4.7	3.7		3.6		
30.0	4.6	5.6	6.3	5.4	5.9	4.9	5.7	4.6	3.7	4.5	3.6		3.4	2.8	
32.0	3.7	4.6	5.2	4.4	5.6	4.7	5.1	4.4	3.5	4.3	3.4	2.7	3.3	2.7	
34.0	2.9	3.7	4.1	3.6	4.7	4.6	4.3	4.2	3.4	4.1	3.3	2.6	3.2	2.6	
36.0	2.3	2.9	3.2	2.9	3.9	4.5	3.6	4.0	3.3	3.9	3.1	2.5	3.0	2.5	
38.0	1.7	2.2		2.3	3.2	3.8	2.9	3.8	3.2	3.3	2.9	2.4	2.9	2.4	1.8
40.0		1.5		1.8	2.5	3.1	2.4	3.5	3.1	2.7	2.8	2.3	2.8	2.2	1.8
44.0					1.4		1.4	2.3	3.0	1.8	2.6	2.2	2.1	2.0	1.6
48.0								1.3	1.8		1.9	2.1	1.3	1.8	1.5
52.0											1.6			1.6	1.4
56.0															1.4



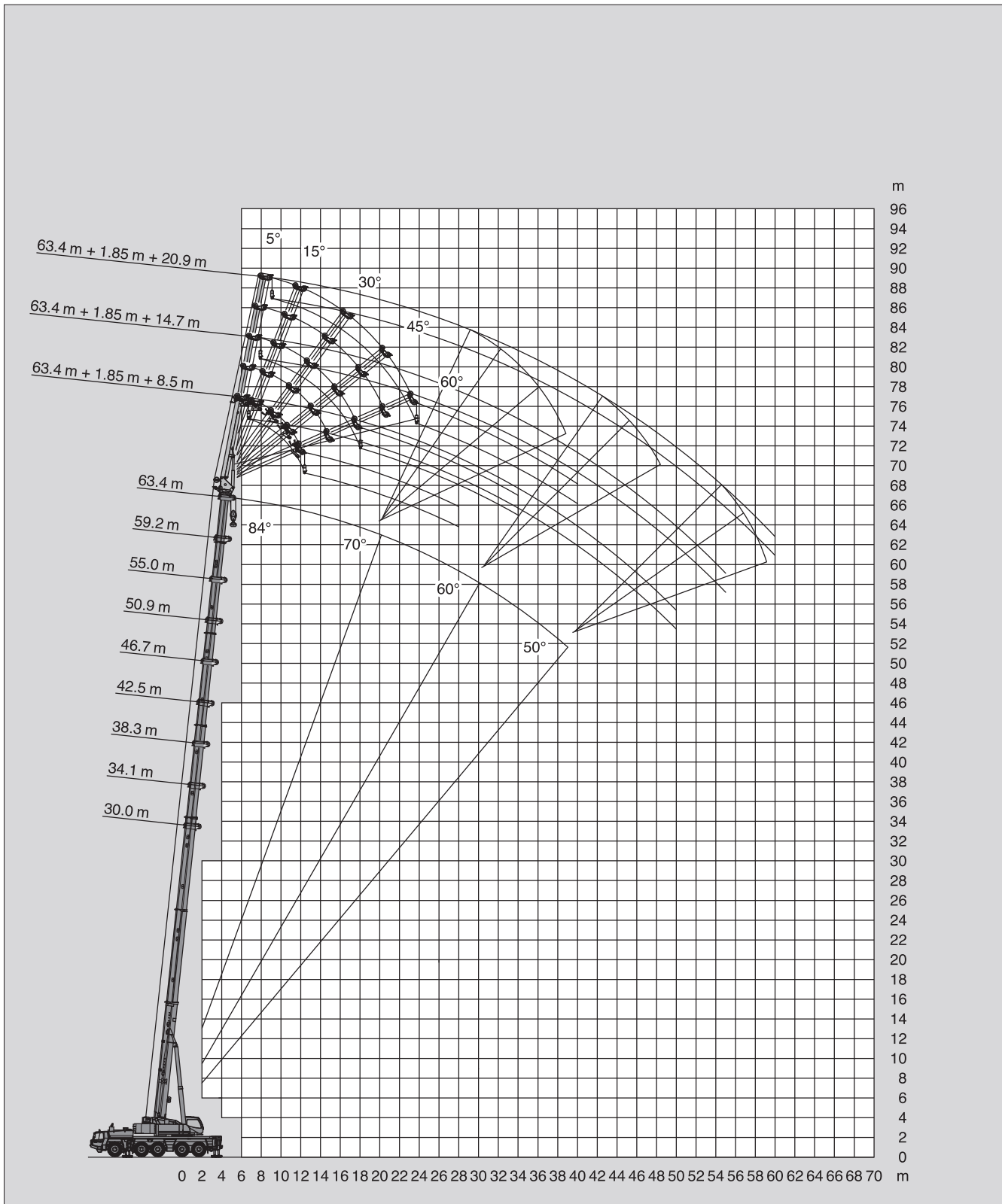
 m	13.2 m + 13.2 m			13.2 m + 19.2 m			13.2 m + 25.2 m			13.2 m + 31.2 m			13.2 m + 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	18.0														
3.5	18.0			16.0											
4.0	18.0			15.7			10.4								
4.5	17.4			15.4			10.4								
5.0	16.7			15.0			10.4			6.4					
6.0	15.4			14.3			10.4			6.4			4.6		
7.0	14.4	11.5		13.6			10.4			6.4			4.6		
8.0	13.4	10.9		13.0			10.4			6.4			4.6		
9.0	12.6	10.3		12.4			10.0			6.4			4.6		
10.0	11.9	9.8		11.7			9.5			6.4			4.6		
11.0	11.2	9.4		11.1	9.0		9.0			6.4			4.6		
12.0	10.6	9.0	7.9	10.5	8.6		8.6			6.4			4.6		
14.0	9.6	8.3	7.4	9.5	7.9		7.8			6.3			4.6		
16.0	8.8	7.8	7.1	8.7	7.1	5.9	7.1	6.0		5.8			4.5		
18.0	8.1	7.3	6.8	7.8	6.5	5.5	6.5	5.6		5.4			4.2		
20.0	7.5	6.9	6.7	7.0	5.9	5.2	6.0	5.0		5.0			4.0		
22.0	7.1	6.7		6.3	5.5	4.9	5.5	4.6		4.6	3.9		3.7		
24.0				5.7	5.1	4.6	4.9	4.2		4.3	3.6		3.5	3.1	
26.0				5.2	4.7	4.4	4.5	3.9	3.5	3.8	3.3		3.3	2.9	
28.0				4.7	4.5		4.1	3.6	3.3	3.5	3.0		3.1	2.6	
30.0							3.7	3.4	3.1	3.2	2.8		2.8	2.4	
32.0							3.4	3.2	3.0	2.9	2.6	2.4	2.5	2.2	
34.0							3.2	3.0		2.7	2.4	2.2	2.3	2.1	
36.0							2.9			2.5	2.3	2.1	2.1	1.9	1.7
38.0										2.3	2.2	2.0	2.0	1.8	1.6
40.0										2.1	2.0		1.8	1.7	1.5
44.0													1.5	1.5	1.4
48.0													1.3	1.3	

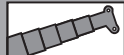
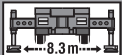


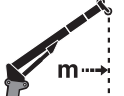
HTLJ / Hubhöhen
 HTLJ / Lifting heights
 HTLJ / Hauteurs de levage
 HTLJ / Alturas de elevación



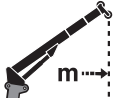
DIN/ISO/EN



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	63.4 m + 1.85 m + 8.5 m					63.4 m + 1.85 m + 11.6 m					63.4 m + 1.85 m + 14.7 m					63.4 m + 1.85 m + 17.8 m					63.4 m + 1.85 m + 20.9 m				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
14.0	7.0	7.0				6.1					5.4					4.7					4.2				
16.0	6.8	6.6	6.3			6.1	6.0				5.4					4.7					4.2				
18.0	6.3	6.1	5.9	5.7		5.9	5.7	5.3			5.4	5.2				4.7					4.2				
20.0	6.0	5.8	5.5	5.3	5.3	5.5	5.3	5.0	4.8		5.2	4.9				4.7	4.5				4.2				
22.0	5.6	5.4	5.1	5.0	5.0	5.2	5.0	4.7	4.5	4.5	4.8	4.6	4.3			4.6	4.3				4.2	4.0			
24.0	5.3	5.1	4.8	4.7	4.7	4.9	4.7	4.4	4.3	4.2	4.5	4.3	4.1	3.9		4.3	4.0	3.8			4.0	3.7			
26.0	4.9	4.8	4.6	4.4	4.4	4.6	4.4	4.2	4.1	4.0	4.3	4.1	3.9	3.7	3.7	4.0	3.8	3.6			3.8	3.5	3.3		
28.0	4.6	4.5	4.3	4.2	4.2	4.3	4.1	3.9	3.9	3.8	4.0	3.8	3.6	3.5	3.5	3.8	3.6	3.4	3.3	3.2	3.6	3.4	3.1		
30.0	4.3	4.2	4.1	4.0		4.1	3.9	3.7	3.6	3.6	3.8	3.6	3.5	3.3	3.3	3.6	3.4	3.2	3.1	3.1	3.3	3.2	3.0	2.9	
32.0	4.0	4.0	3.9	3.8		3.8	3.7	3.5	3.4		3.6	3.4	3.3	3.2	3.2	3.4	3.2	3.0	2.9	2.9	3.2	3.0	2.8	2.7	2.7
34.0	3.8	3.7	3.6	3.6		3.6	3.5	3.3	3.3		3.4	3.2	3.1	3.0	3.0	3.2	3.0	2.9	2.8	2.8	3.0	2.9	2.7	2.6	2.6
36.0	3.6	3.5	3.4	3.4		3.4	3.3	3.2	3.1		3.2	3.1	2.9	2.8		3.0	2.9	2.7	2.7	2.6	2.8	2.7	2.6	2.5	2.4
38.0	3.3	3.3	3.2	3.2		3.2	3.1	3.0	2.9		3.0	2.9	2.8	2.7		2.9	2.7	2.6	2.5		2.7	2.5	2.4	2.3	2.3
40.0	3.1	3.1	3.0	3.0		3.0	2.9	2.8	2.8		2.8	2.8	2.6	2.6		2.7	2.6	2.4	2.4		2.5	2.4	2.3	2.2	2.2
42.0	3.0	2.9	2.8			2.8	2.7	2.7	2.6		2.7	2.6	2.5	2.4		2.5	2.4	2.3	2.3		2.4	2.3	2.2	2.1	
44.0	2.8	2.7	2.7			2.6	2.6	2.5	2.5		2.5	2.4	2.4	2.3		2.4	2.3	2.2	2.1		2.3	2.2	2.0	2.0	
46.0	2.4	2.6	2.5			2.5	2.4	2.4			2.4	2.3	2.3	2.2		2.3	2.2	2.1	2.0		2.2	2.1	1.9	1.9	
48.0	2.3	2.3	2.2			2.2	2.3	2.2			2.2	2.2	2.1			2.1	2.1	2.0	2.0		2.0	2.0	1.8	1.8	
50.0	2.1	2.1	2.1			2.0	2.0	2.1			2.1	2.0	2.0			2.0	1.9	1.9	1.9		1.9	1.9	1.8	1.7	
55.0						1.3	1.5	1.7			1.6	1.6	1.6			1.6	1.7	1.6			1.6	1.6	1.6		
60.0																1.0	1.3	1.3			1.3	1.2	1.3		

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	34.1 m + 1.85 m + 8.5 m					34.1 m + 1.85 m + 11.6 m					34.1 m + 1.85 m + 14.7 m					34.1 m + 1.85 m + 17.8 m					34.1 m + 1.85 m + 20.9 m				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
7.0	27.5	21.5				14.6										13.5									
8.0	25.8	20.5				14.6					13.9					13.2									
9.0	24.2	19.7	16.0			14.6	14.6				13.9					12.8									
10.0	22.8	18.8	15.6			14.6	14.6				13.9	12.8				12.4	10.5				5.6				
11.0	21.6	18.1	15.2	13.4		14.6	14.6	11.9			13.9	12.2				12.0	10.0				5.6				
12.0	20.5	17.4	14.8	13.2	12.1	14.6	14.1	11.6			13.9	11.7				11.0	9.2				5.6	5.6			
14.0	18.5	16.2	14.1	12.8	11.9	14.6	13.0	11.0	9.7		12.8	10.7	8.9			9.9	8.5	7.1			5.6	5.6			
16.0	16.9	15.1	13.5	12.5	11.8	13.9	12.1	10.4	9.4	8.6	11.5	9.9	8.4	7.4		9.9	8.5	7.1			5.6	5.6			
18.0	15.6	14.2	12.9	12.2	11.7	12.6	11.3	10.0	9.1	8.4	10.4	9.2	8.0	7.2	6.5	9.0	7.8	6.7			5.6	5.6	5.6		
20.0	14.4	13.4	12.5	12.0	11.7	11.6	10.6	9.5	8.9	8.4	9.6	8.6	7.6	6.9	6.4	8.2	7.3	6.4	5.6		5.6	5.6	5.6		
22.0	13.4	12.7	12.0	11.8		10.7	9.9	9.2	8.7	8.3	8.8	8.1	7.3	6.7	6.3	7.5	6.8	6.1	5.5	4.9	5.6	5.6	5.4	4.6	
24.0	12.5	12.0	11.7	11.6		10.0	9.4	8.8	8.5		8.1	7.6	7.0	6.6	6.2	6.9	6.4	5.8	5.3	4.8	5.6	5.6	5.1	4.5	3.9
26.0	11.7	11.5	11.4	11.5		9.3	8.9	8.5	8.4		7.5	7.1	6.7	6.4	6.2	6.4	6.0	5.6	5.2	4.7	5.6	5.4	4.9	4.3	3.9
28.0	11.1	11.0	11.1	11.5		8.7	8.5	8.3	8.2		7.0	6.8	6.5	6.3		5.9	5.7	5.3	5.0	4.7	5.4	5.1	4.7	4.2	3.8
30.0	10.5	10.6	10.9			8.2	8.1	8.1	8.2		6.6	6.4	6.3	6.2		5.5	5.4	5.1	4.9		5.0	4.8	4.5	4.1	3.8
32.0	9.5	9.6	9.7			7.7	7.7	7.9			6.2	6.1	6.1	6.1		5.2	5.1	5.0	4.8		4.7	4.5	4.3	4.0	
34.0	8.1	8.3	8.5			7.3	7.4	7.7			5.8	5.8	5.9	6.1		4.9	4.8	4.8	4.8		4.4	4.3	4.1	3.9	
36.0	6.7	6.9				6.9	7.2	7.6			5.5	5.6	5.8			4.6	4.6	4.7	4.7		4.1	4.1	4.0	3.8	
38.0	5.5	5.6				6.6	6.8				5.2	5.4	5.7			4.3	4.4	4.5			3.8	3.9	3.9	3.8	
40.0	4.4					5.5	5.7				4.9	5.2	5.6			4.1	4.2	4.4			3.6	3.7	3.8	3.7	
42.0						4.5	4.6				4.7	5.0				3.9	4.1	4.4			3.4	3.5	3.7		
44.0						3.6					4.5	4.6				3.7	3.9	4.3			3.2	3.4	3.6		
46.0											3.6					3.5	3.8				3.0	3.2	3.5		
48.0																3.4	3.7				2.9	3.1			
50.0																2.9					2.8	3.0			

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 von 7 m/s bis max. 10 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 Bedienungsanlei-
tungen 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.

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.

Des vitesses de vent sont admissibles entre 7 m/s jusqu'à max
10 m/s en fonction de la longueur de flèche.

Les forces de levage sont données en tonnes métriques.

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

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

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.

Maximum admissible wind velocity for working with telescopic boom
is 10 m/sec to 7 m/sec depending at boom length and for working
with fly jib 7 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.

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.

En independencia a la longitud de la pluma, están toleradas
velocidades de viento de entre 7 m/s y 10 m/s.

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.

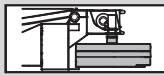
Las capacidades de carga referentes a la pluma telescópica valen
solamente si el plumín está desmontada.

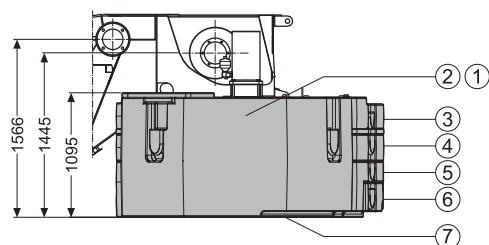
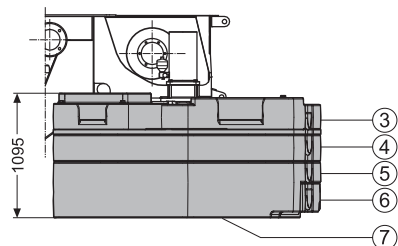
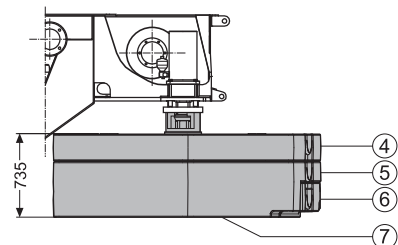
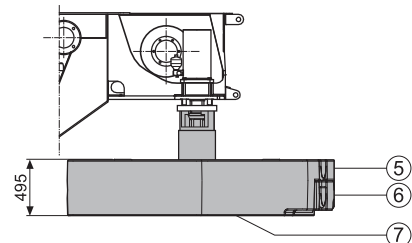
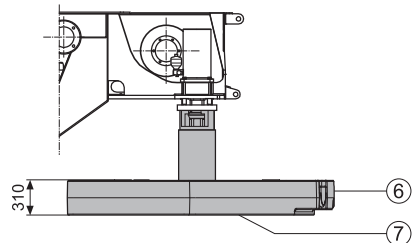
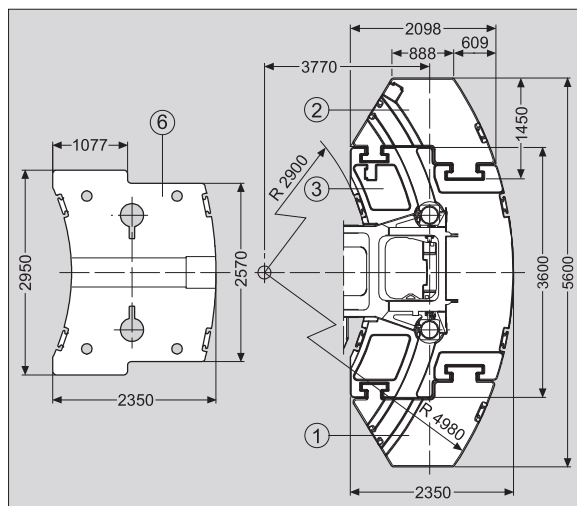
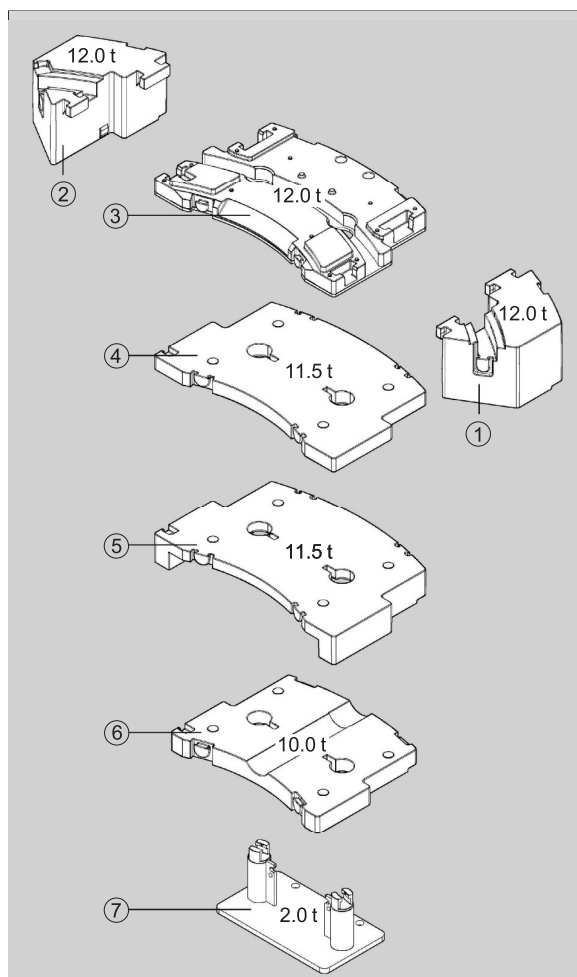
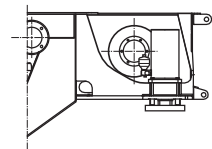
Como alcance se entiende la distancia horizontal desde el centro
de la corona de giro hasta el centro de la carga suspendida libremente
y no oscilante.

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 modi-ficaciones de aquellos
valores.

Gegengewichtvarianten
Counterweight versions
Variations des contrepoids
Variaciones de contrapeso

	Gegengewicht / Counterweight Contrepoids / Contrapeso	①	②	③	④	⑤	⑥	⑦
	(t)	12.0	12.0	12.0	11.5	11.5	10.0	2.0

71 t

47 t

35 t

23.5 t

12 t

0 t


Ausrüstung



Rahmen Verwindungs- und biegesteife Schweißkonstruktion aus hochfestem Feinkornstahl. Zentralschmieranlage.

Abstützung Hydraulische 4-Punkt-Doppelteleskopabstützung, Bedienungsmöglichkeiten an beiden Seiten des Fahrgestelles und in der Oberwagenkabine.
Abstützbasis 8,3 m (und 5,6 m) x 9,01 m.

Motor Mercedes-Benz 8-Zylinder-Dieselmotor OM 502 LA (Euromot III B / EPA Tier 4i), wassergekühlt, Leistung 405 kW (551 PS) bei 1800 min⁻¹. Drehmoment 2600 Nm (265 kpm) bei 1300 min⁻¹. Motorleistung nach 80 / 1269 / EWG.
Kraftstoffbehälter 540 l. AdBlue-Behälter 40 l.

Getriebe ZF-AS-Tronic 16 AS 2602, mechanisches Schaltgetriebe mit integriertem Intarder, elektronisch-pneumatisch betätigter Trockenkupplung und vollautomatischer Schaltung mit 16 Vorwärts- und 2 Rückwärtsgängen.
Power / Economy Modus.

Verteilergetriebe 2-stufiges Verteilergetriebe.

Antrieb 10 x 8 (10 x 6 Optional*)

Achsen

1. Achse: gelenkt, angetrieben (*nicht angetrieben), Differentialsperre quer.
2. Achse: gelenkt, angetrieben, zuschaltbar, Differentialsperre quer.
3. Achse: gelenkt, nicht angetrieben.
4. Achse: gelenkt, angetrieben, Differentialsperre längs und quer.
5. Achse: gelenkt, angetrieben, Differentialsperre quer.

Achsaufhängung Hydropneumatische Federung mit Niveauregulierung.

Bremsen Druckluft-Zweikreis-Bremsanlage mit Lufttrockner. Feststellbremse als Federspeicherbremse an der 2., 4. und 5. Achse wirkend. Intarder mit Bremsomat-Funktion und Konstantdrosselanlage mit Auspuffklappenbremse als Dauerbremse.

Räder 10-fach 445/95 R 25 (16.00 R 25).

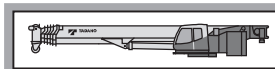
Lenkung ZF-Servocom-Zweikreis-Hydraulenlenkung mit Notlenkpumpe. Mechanische Lenkung der 1. und 2. Achse und Mitlenken der 3. und 4. Achse bis zu einer Geschwindigkeit von 25 km/h und der 5. Achse bis zu einer Fahrgeschwindigkeit von 50 km/h.

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

Elektrische Anlage 24 Volt-Gleichstrom, 2 Batterien, CAN-Bus System mit integriertem CSS-System zur Eigendiagnose, Abstützfeldbeleuchtung, 2 Rundumkennleuchten, Rückfahralarm. Die elektrische Anlage entspricht der EG-Norm.

Zusatz-ausrüstung (gegen Mehrpreis)

Anhängerkupplung, motorunabhängige Zusatzheizung mit Motorvorwärmung, Klimaanlage, ABS, 525/80 R 25 (20.5 R 25) Bereifung, Reserverad, Sonderlackierung und Beschriftung.
Weitere Zusatz-ausrüstung auf Anfrage.



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

Motor Mercedes-Benz 4-Zylinder-Dieselmotor OM 924 LA (Euromot III B / EPA Tier 4i), wassergekühlt. Drehzahl ist über Fußpedal stufenlos regelbar, Leistung 129 kW (175 PS) bei 2200 min⁻¹. Drehmoment 675 Nm (69 kpm) bei 1200 - 1600 min⁻¹. Motorleistung nach 80 / 1269 / EWG.
Kraftstoffbehälter 250 l. AdBlue-Behälter 8 l.

Hydraulik System Diesel-hydraulisch mit 3-Kreis-Hydraulik, 1 leistungsgeregelte Axialkolbendoppelpumpe (hydraulisch verstellbar) und 1 Axialkolbenpumpe, 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. 13,2 m - 60,0 m lang.
Rollenkopf mit 7 Seilrollen.

Wippwerk Ein Differentialzylinder mit angebautem Senkbremsventil.

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

Drehwerk Axialkolben-Motor, dreistufiges Planetengetriebe mit fußbetätigter oder automatischer Betriebs- und Feststellbremse. Offener Hydraulikkreislauf mit Drehwerk-Freischaltung. Drehgeschwindigkeit stufenlos von 0 - 1,2 min⁻¹.

Gegengewicht Gesamtgewicht 50 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, motorabhängige Warmwasserheizung und motorunabhängige Zusatzheizung mit Motorvorwärmung, Klimaanlage, Radio/CD-Player, Kontroll- und Bedienungselemente sowie graphische LCD-Anzeige für Kranbetrieb.

Elektrische Anlage 24 Volt-Gleichstrom, 2 Batterien.

Sicherheitseinrichtungen 'Lift Adjuster' zum pendelfreien Anheben der Last, Lastmomentbegrenzung (LMB), Windmesser, Arbeitsbereichsbegrenzung, Hubendschalter, Windendenschalter, Seilwindendrehmelder, Sicherheitsventile gegen Rohr- und Schlauchbrüche. Sperrventile an Hydraulik-Zylindern.

Zusatz-ausrüstung (gegen Mehrpreis)

Auslegerverlängerungen von 13,2 m bis 37,2 m, wahlweise abwinkelbar 0°, 20° und 40° oder hydraulisch 0° - 40° (5,4 m integrierte Schwerlastspitze + 7,5 m Endstück + 4 Zwischenstücke à 6,12 m x 0,64 m x 1,10 m/ Gewicht 440 kg), Auslegerverlängerung HTLJ 1,85 m + 8,5 m bis 1,85 m + 21 m (hydraulisch abwinkel- und teleskopierbar 0° - 60°), LMB-Erweiterung für 12 t, 23,5 t, 35 t und 47 t Gegengewicht, 10 t Hakengeschirr, Unterflaschen von 32 t bis 160 t, 2. Hubwerk (wie Hauptwinde), Zusatzölkühler, Stützkraftanzeige, Sonderlackierung und Beschriftung.

Weitere Zusatz-ausrüstung auf Anfrage.



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

Outriggers 4 point, double telescopic hydraulic outriggers with controls on both sides of carrier and in superstructure cab. Outrigger base 8.3 m (5.6 m mid extension) x 9.01 m.

Carrier engine Mercedes-Benz 8 cylinder model OM 502 LA (Euromot III B / EPA Tier 4i), water-cooled diesel engine. Rated at 405 kW (551 HP) at 1800 min⁻¹. Torque 2600 Nm (265 kpm) at 1300 min⁻¹. Engine rating according to 80 / 1269 / EWG. Fuel tank 540 l. AdBlue-tank 40 l.

Transmission ZF-AS-Tronic 16 AS 2602 mechanical transmission with integrated intarder, electro-pneumatically operated dry-type clutch and automatic gear shifting with 16 forward gears and 2 reverse gears. Power / Economy modes.

Transfer Case Two stage.

Drive 10 x 8 (10 x 6 optional*)

Axles

1st axle: steered, driven (*not driven).
 2nd axle: steered, driven.
 3rd axle: steered, not driven.
 4th axle: steered, driven, with longitudinal differential lock.
 5th axle: steered, driven.
 All driven axles with transverse differential locks.

Suspension Hydro-pneumatic with levelling adjustment.

Brake system Service brakes: dual circuit compressed air system with air dryer. Parking brake: spring loaded type acting on 2nd, 4th and 5th axles. Auxiliary brakes: intarder with brake control, engine exhaust brake and constant throttle engine brake system.

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

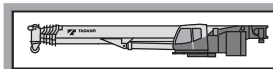
Steering system ZF-Servocom, dual circuit hydraulic steering with emergency steering pump, mechanical hydraulically assisted steering of front two axles and automatic steering of the 3rd and 4th axle up to a travel speed of 25 km/h and of the 5th axle up to 50 km/h.

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, CAN-Bus system with CSS integrated self-diagnosis system, outrigger area lighting, 2 rotating beacons, reversing alarm. Electrical system conforms with EEC regulations.

Optional Equipment (at extra charge)

Towing attachment, engine independent additional heater with engine pre-heat, air conditioning, ABS, 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. Central lubricating system.

Superstructure engine Mercedes-Benz 4 cylinder model OM 924 LA (Euromot III B / EPA Tier 4i), water cooled diesel engine. Rated at 129 kW (175 HP) at 2200 min⁻¹. Torque 675 Nm (69 kpm) at 1200 - 1600 min⁻¹. Engine rating according to 80 / 1269 / EWG. Fuel tank 250 l. AdBlue-tank 8 l.

Hydraulic system Three circuit diesel hydraulic system with 1 power controlled double axial piston pump (hydraulically adjustable) and 1 axial piston pump, 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. 13.2 m to 60.0 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 three-stage planetary gear equipped with a foot actuated or automatic service and a parking brake. Open circuit with free slewing function. Speed infinitely variable 0 - 1.2 min⁻¹.

Counterweight Total 50 t divisible, assembly and disassembly 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 dependent water heater engine independent additional heater with engine pre-heat, air conditioning, radio/CD-player. Complete controls and instrumentation plus LCD graphic display for crane operation.

Electrical system 24 volt DC system, 2 batteries.

Safety devices 'Lift Adjuster' to prevent dangerous swinging of the load, load moment device (LMD), anemometer, 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)

Boom extensions 13.2 m to 37.2 m, offsets 0°, 20° and 40° or hydraulically 0°- 40° (5.4 m integrated heavy duty jib + 7.5 m tip section + 4 inserts à 6.12 m x 0.64 m x 1.10 m/ weight 440 kg), boom extensions HTLJ 1.85 m + 8.5 m to 1.85 m + 21 m (hydraulically offsets and telescopic 0° - 60°), LMD-programme for 12 t, 23.5 t, 35 t and 47 t counterweight, 10 t swivel hook, selection of hook blocks 32 t - 160 t, auxiliary winch (same as main winch), additional oil cooler, outrigger load display, special painting and lettering.

Further optional equipment available upon request.

Equipement



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

Calage Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Commande des mouvements sur les deux côtés du porteur et depuis la cabine de la superstructure. Calage 8,3 m (aussi 5,6 m) x 9,01 m.

Moteur Mercedes Benz diesel 8 cylindres, modèle OM 502 LA (Euromot III B/EPA Tier 4i), refroidi par eau, de 405 kW (551 CV) à 1800 min⁻¹. Couple: 2600 Nm (265 kpm) à 1300 min⁻¹. Puissance selon 80 / 1269 / EWG. Capacité du réservoir 540 l. AdBlue-capacité du réservoir 40 l.

Boîte de vitesse Boîte mécanique ZF-AS-Tronic, modèle 16 AS 2602 avec embrayage électro-pneumatique réglé à commande et boîte automatique, 16 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 10 x 8 (10 x 6 optionnel*)

Essieux

- 1^{er} essieu: directeur, entraîné, (*non entraîné) blocage de différentiel transversal.
- 2^{ème} essieu: directeur, entraîné, netraîné sur commande, blocage de différentiel transversal.
- 3^{ème} essieu: directeur, non entraîné.
- 4^{ème} essieu: directeur, entraîné, blocage de différentiel longitudinal et transversal.
- 5^{ème} essieu: directeur, entraîné, blocage de différentiel transversal.

Suspension Hydro-pneumatique, avec réglage de niveau.

Freins Système à air comprimé, à double circuit avec desiccateur d'air. Frein de stationnement: avec accumulateurs à ressort agissant sur le 2^{ème}, 4^{ème} et 5^{ème} essieu. Freins continus: frein moteur par clapet sur échappement. Ralentisseur hydrodynamique Intarder.

Pneus 10 x 445/95 R 25 (16.00 R 25).

Direction Servocom à double circuit, marque ZF avec pompe de direction auxiliaire. Direction mécanique du 1^{er} et 2^{ème} essieu, à assistance hydraulique, avec pompe de direction auxiliaire direction du 3^{ème} et 4^{ème} essieu jusqu'à une vitesse de 25 km/h et du 5^{ème} essieu jusqu'à une vitesse de 50 km/h.

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, connexion circuit électrique avec CAN-Bus. Équipement avec prise diagnostic et avec interprétation de code erreur de système CSS, éclairage des points de calage, 2 gyrohars, alarme de recul. Conforme aux normes CE.

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

Autres équipements supplémentaires sur demande.

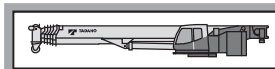


Plate forme Construction mécano-soudée résistante à la torsion. Couronne d'orientation à billes à une rangée, à denture extérieure, permettant une rotation illimitée sur 360°. Graissage centralisé.

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 129 kW (175 CV) à 2200 min⁻¹. Couple: 675 Nm (69 kpm) à 1200 - 1600 min⁻¹. Puissance selon 80 / 1269 / EWG. Capacité du réservoir 250 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 hydraulique) et 1 pompe à pistons axiaux x, 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 13,2 m à 60,0 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 3 gammes. Frein de service actionné par l'intermédiaire d'une pédale ou avec frein de stationnement automatique. Circuit ouvert avec déconnexion de l'orientation. Vitesse de rotation 0 à 1,2 min⁻¹ en continu.

Contrepoids Poids total 50 t divisible, commandé depuis la cabine du grutier.

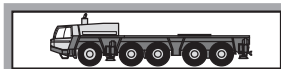
Cabine du grutier Cabine de grue spacieuse, construction en matière combinée acier / synthétique, avec vitrage de sécurité en verre teinté, siège chauffant, réglable et amorti hydrauliquement, inclinable avec instruments de commande, chauffage à eau chaude relié au moteur et chauffage auxiliaire indépendant du moteur avec préchauffage du moteur, climatisation, radio/CD-player, éléments de commande et de contrôle avec affichage digital pour travaux.

Système électrique 24 V courant continu, 2 batteries.

Dispositifs de sécurité 'Lift Adjuster' pour éviter le balancement dangereux de la charge, limiteur de charge (CEC), anémomètre, 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) Flèche de 13,2 m à 37,2 m mau choix inclinable 0°, 20° et 40° ou hydrauliquement 0° à 40° (flèche de 5,4 m pour levage lourde intégrée + élément de tête de 7,5 m + 4 sections intermédiaires à 6,12 m x 0,64 m x 1,10 m / poids 440 kg), flèche HTLJ de 1,85 m + 8,5 m à 1,85 m + 21 m (hydrauliquement inclinable et télescopable 0° - 60°), programmation CEC pour contrepoids de 12 t, 23,5 t, 35 t et 47 t, 10 t elingues, moufles de 32 t à 160 t, 2^{ème} treuil de levage (identique au treuil principale), refroidisseur d'huile supplémentaire, indicateur de pression sur les calages, 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. Sistema de engrase central.

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: 8,3 m (y 5,6 m) x 9,01 m.

Motor Mercedes Benz modelo OM 502 LA (Euromot III B/EPA Tier 4i), 8 cilindros, diesel, refrigerado por agua. Nominal 405 kW (551 CV) a 1800 min⁻¹. Par 2600 Nm (265 kpm) a 1300 min⁻¹. Potencia del motor según 80 / 1269 / EWG. Depósito de combustible de 540 l. Depósito AdBlue 40 l.

Transmisión Transmisión mecánica tipo ZF-AS Tronic modelo 16 AS 2602 con intarder integrado, accionamiento electro-neumático embrague en seco y cambio automático, 16 marchas delanteras y 2 marchas traseras. Modo rendimiento máximo / económico.

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

Tracción 10 x 8 (10 x 6 como opción*)

Ejes

- 1º eje: de dirección, accionado (*no accionado), con bloqueo diferencial transversal.
- 2º eje: de dirección, accionado, conectar según necesidad, con bloqueo diferencial transversal.
- 3º eje: de dirección, no accionado.
- 4º eje: de dirección, accionado, con bloqueo diferencial longitudinal y transversal.
- 5º eje: de dirección, accionado, con bloqueo diferencial transversal.

Suspensión Suspensión hidroneumática con regulación de nivel.

Sistemas de frenos Accionamiento neumático de doble circuito con secador de aire. Freno de estacionamiento del tipo muelles cargados, liberados por aire, sobre los ejes 2º, 4º y 5º. Intarder / sistema automático de frenado y freno continuo: Sistema estrangulador y sobre el escape del motor diesel.

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

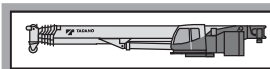
Dirección Hidráulica ZF Servocom de doble circuito con bomba auxiliar de dirección. Dirección mecánica del 1º y 2º eje y direccionable del 3º y 4º eje hasta una velocidad de 25 km/h y del 5º eje hasta una velocidad de conducción de 50 km/h.

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 e instrumentos para circulación por carretera. Regulador de velocidad, sistema automático de frenado.

Sistema eléctrico Sistema de 24 V c.c. con dos baterías, conexiones eléctricas integradas en el sistema CAN-Bus, sistema integrado de diagnóstico CSS. Faros de trabajo en los estabilizadores, 2 luces rotativas, alarma de marcha atrás. El sistema eléctrico cumple la normativa CEE.

Equipo adicional (con suplemento de precio) Embrague de remolque, calefacción adicional con precalefacción del motor, climatización, ABS, 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 a 360°. Sistema de engrase central.

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 129 kW (175 CV) a 2200 min⁻¹. Par 675 Nm (69 kpm) a 1200 - 1600 min⁻¹. Potencia del motor según 80 / 1269 / EWG. Depósito de combustible de 250 l. Depósito AdBlue 8 l.

Sistema hidráulico Sistema hidráulico de 3 circuitos, 1 bomba doble de pistones axiales de caudal variable (regulable hidráulicamente) y una bomba de pistones axiales, 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 13,2 m a 60,0 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 tres etapas. Freno de giro controlado por pedal y freno de giro automático de bloqueo. Circuito abierto con mecanismo de giro libre con posibilidad de desconexión. Velocidad de giro gradual de 0 a 1,2 min⁻¹.

Contrapeso Peso total 50 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 por agua caliente del motor y calefacción adicional con precalefacción del motor, climatización, radio/CD-player. Controles, instrumentos y mandos de conducción como display digital LCD para la operación de la grúa.

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

Medidas de seguridad 'Lift Adjuster' elevación de cargas sin balanceo, limitación del momento de carga (LMC), anemómetro, 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) Plumín de 13,2 m a 37,2 m regulable de 0°, 20° y 40° (o hidráulicamente 0° a 40°), compuesto por cabezal de 5,4 m + punta de 7,5 m + cuatro tramos a 6,12 m x 0,64 m x 1,10 m / peso 440 kg, plumín HTLJ de 1,85 m + 8,5 m a 1,85 m + 21 m (hidráulicamente regulable y telescopable 0° 60°), prolongación, programación LMC en el sistema de limitación de cargas, para contrapesos de 12 t, 23,5 t, 35 t y 47 t gancho de bola, 10 t gancho de bola, gancho de 32 t a 160 t, 2º cabrestante (similar a cabrestante principal), enfriador adicional, control carga (gatos de apoyo), pintura especial y rotulación.

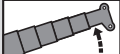
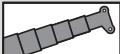
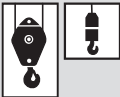
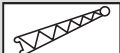
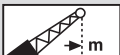
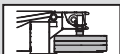
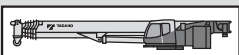
Otros equipamientos sobre pedido.

Symbolerklärung

Symbols

Glossaire des symboles

Glosario de símbolos

	Siehe Seite 42 As on Page 42 Voyez la page 42 Véase la página 42		Wippwerk Derricking system Mécanisme de relevage Elevación de pluma
 385/95 R 25 (14.00 R 25)	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 / Hakengeschirr 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 HTLJ Boom extension HTLJ Fléchette HTLJ Plumín HTLJ
	Gelände Off road Tout-terrain Todo terreno		Auslegerverlängerung Boom extension Fléchette Plumín
	Straße On road En route En carretera		Auslegerverlängerung hydraulisch Boom extension hydraulically Fléchette hydrauliquement Plumín hidráulicamente
	Geschwindigkeiten Oberwagen Superstructure speeds Vitesses du partie tournante Velocidades de la superestructura		Ausladung Radius Portée Radio
	Hubwerk Main winch Mécanisme de levage Cabrestante principal		Gegengewichtvarianten Counterweight versions Variations des contrepoids Variaciones de contrapeso
	2. Hubwerk Auxiliary winch 2 ^{ème} treuil de levage 2 ^o cabrestante		Unterwagen Carrier Châssis Chasis
	Drehwerk Slewing system Orientation Sistema de giro		Oberwagen Superstructure Partie tournante Superestructura





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