

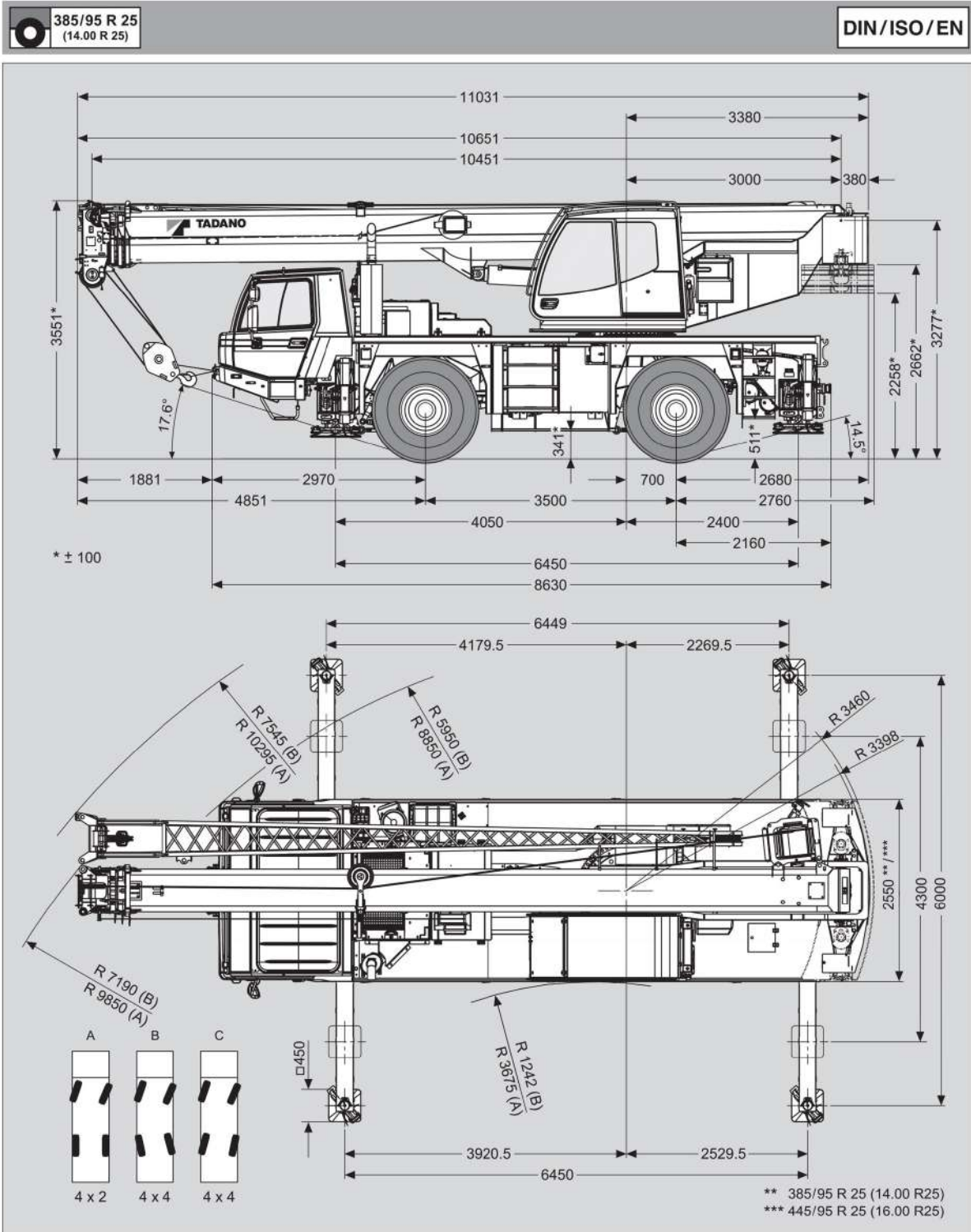


# TADANO ATF 40G-2

**AE** engineering  
Fylde Limited  
**CRANE AND PLANT HIRE**


**01523 422 044**  
**[www.ae-engineering.co.uk](http://www.ae-engineering.co.uk)**

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



## ATF 40G-2

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


	<b>Achse / Axle Essieu / Eje</b>	<b>1</b>	<b>2</b>	<b>Gesamtgewicht / Total weight Poids total / Peso total</b>
	(t)	12	12	24*

\* Incl. 1,4 t Gegengewicht, 9 m Auslegerverlängerung, Unterflasche, Antrieb 4 x 4, Bereifung 445/95 R 25 (16.00 R 25).




\* Incl. 1.4 t counterweight, 9 m boom extension, hook block, drive 4 x 4, tyres 445/95 R 25 (16.00 R 25).




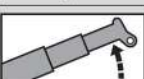

\* Incl. de 1,4 t contrepoids, 9 m flèche, moufle, entraînement 4 x 4, pneus 445/95 R 25 (16.00 R 25).

\* Incl. contrapeso de 1,4 t, 9 m plumin, gancho, tracción 4 x 4, neumáticos 445/95 R 25 (16.00 R 25).

	<b>Traglast / Lifting capacity / Force de levage / Capacidad de elevación</b>	<b>Rollen / Sheaves Pulies / Poleas</b>	<b>Stränge / Parts of line Brins / Ramales de cable</b>	<b>Gewicht / Weight Poid / Peso</b>
	29.1 t (Typ / Type / Typo 32)	5	9	280 kg
	19.6 t (Typ / Type / Typo 20)	3	6	200 kg
	9.9 t (Typ / Type / Typo 10)	1	3	150 kg
	3.4 t (Typ / Type / Typo 4)	–	1	75 kg



	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>R</b>	
 <b>385/95 R 25 (14.00 R 25)</b>	5	7	11	17	27	41	5	74%
 <b>km/h</b>	10	15	24	36	56	85	10	40%
 <b>445/95 R 25 (16.00 R 25)</b>	5	8	12	19	29	44	5	65%
 <b>km/h</b>	10	16	26	39	61	85	11	36%

<b>V+</b> 	<b>Stufenlos Infinitely variable Progressivement variable Infinitamente variable</b>	<b>Seil Rope Câble Cable</b>	<b>Max. Seilzug Max. single line pull Effort maxi au brin simple Trio máximo por ramal</b>
	0 - 130 m/min für einfachen Strang single line au brin simple ramal simple	14 mm / 150 m	33 kN
	0 - 2 min <sup>-1</sup>		
	- 0.5° - + 79°	ca. 36 s approx. 36 s env. 36 s aproximadamente 36 s	
	10.45 m - 35.20 m	ca. 80 s approx. 80 s env. 80 s aproximadamente 80 s	






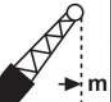
## ATF 40G-2

Tragfähigkeiten  
Lifting capacities  
Capacités de levage  
Capacidades de elevación

   <b>6.5t</b> <span style="float: right;"><b>DIN/ISO/EN</b></span>								
 m	10.5 m*	10.5 m	15.4 m	20.4 m	25.3 m	30.3 m	32.7 m	35.2 m
2.5	40.0**							
3.0	36.6**	32.1**	20.0	20.0	15.1			
3.5	33.9**	29.0	20.0	20.0	15.1			
4.0	30.6	26.4	20.0	20.0	15.1			
4.5	27.0	24.2	20.0	20.0	15.1	10.3		
5.0	24.1	22.2	20.0	20.0	14.8	10.3		
6.0	19.6	18.6	18.8	18.8	13.7	10.3	8.9	7.6
7.0	15.0	15.0	15.3	15.4	12.7	10.3	8.9	7.6
8.0			12.3	12.4	11.7	9.6	8.8	7.6
9.0			10.2	10.3	10.4	9.0	8.2	7.6
10.0			8.6	8.7	8.8	8.4	7.7	7.1
11.0			7.4	7.5	7.6	7.6	7.2	6.7
12.0			6.5	6.5	6.6	6.7	6.7	6.3
14.0				5.1	5.1	5.2	5.2	5.2
16.0				4.1	4.1	4.2	4.2	4.2
18.0					3.4	3.4	3.4	3.4
20.0					2.8	2.8	2.8	2.8
22.0					2.3	2.3	2.4	2.4
24.0						2.0	2.0	2.0
26.0						1.7	1.7	1.7
28.0							1.4	1.4
30.0								1.2
32.0								1.0



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

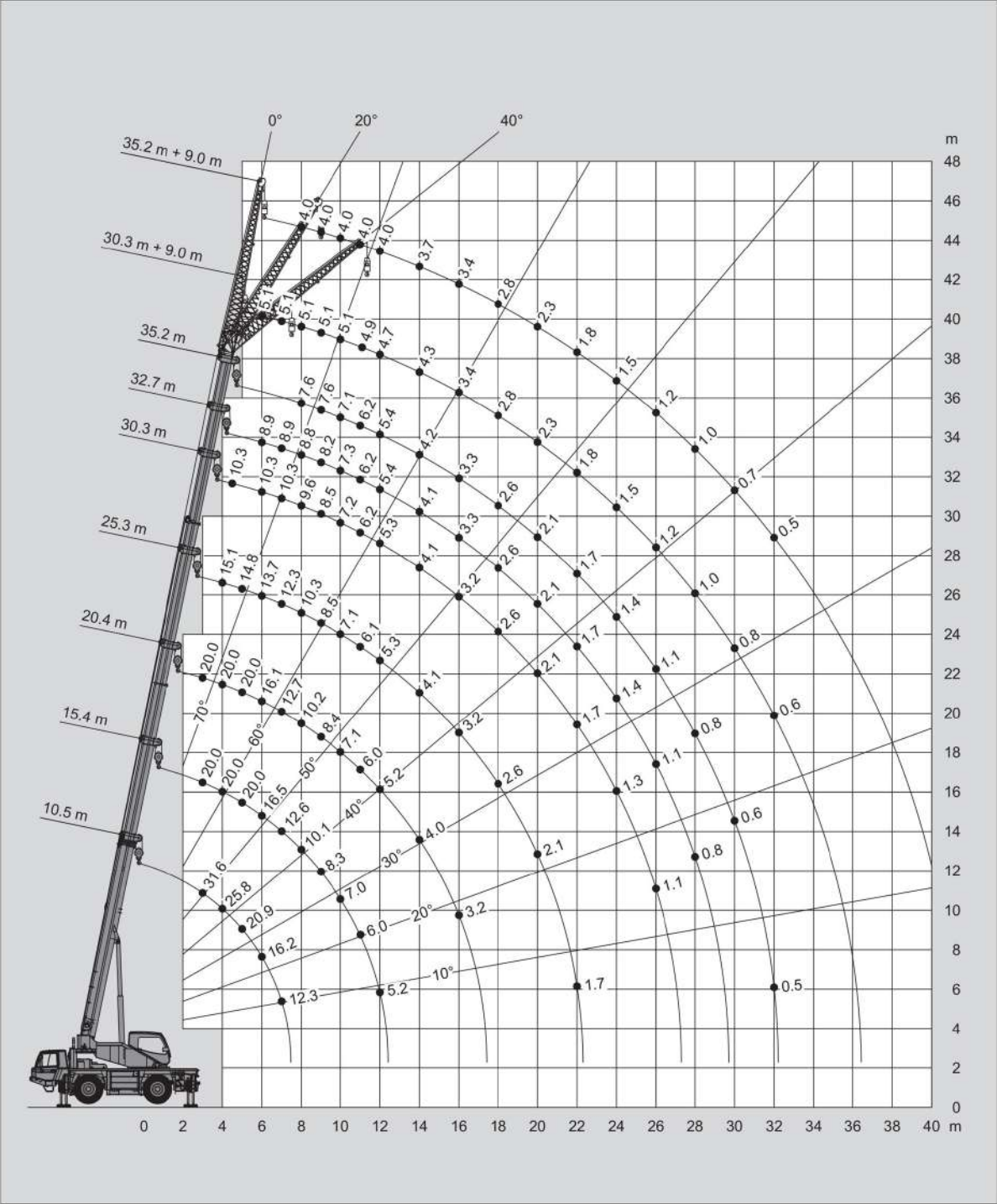
\*\* Mit Zusatzhubausrüstungen / \*\* With additional lifting equipments / \*\* Avec équipements supplémentaires / \*\* Con equipos adicionales

   <b>6.5t</b> <span style="float: right;"><b>DIN/ISO/EN</b></span>									
 m	10.5 m + 9.0 m			30.3 m + 9.0 m			35.2 m + 9.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	6.5								
3.5	6.5								
4.0	6.5	6.5							
4.5	6.5	6.5							
5.0	6.5	6.4							
6.0	6.5	6.0		5.1					
7.0	6.5	5.6	4.7	5.1					
8.0	6.4	5.4	4.5	5.1			4.0		
9.0	6.0	5.1	4.4	5.1	4.6		4.0		
10.0	5.6	4.9	4.2	5.1	4.4		4.0		
11.0	5.3	4.6	4.1	4.9	4.2		4.0	3.7	
12.0	5.1	4.4	4.0	4.7	4.1	3.8	4.0	3.5	
14.0	4.6	4.1	3.9	4.3	3.8	3.5	3.7	3.3	3.1
16.0	4.2	4.0		4.0	3.6	3.3	3.4	3.1	2.9
18.0				3.6	3.4	3.2	3.2	2.9	2.8
20.0				3.0	3.2	3.0	2.9	2.8	2.6
22.0				2.5	2.7	2.8	2.5	2.6	2.5
24.0				2.1	2.3	2.4	2.1	2.3	2.4
26.0				1.8	1.9	2.0	1.8	1.9	2.0
28.0				1.5	1.6	1.7	1.5	1.6	1.7
30.0				1.3	1.4	1.4	1.2	1.4	1.4
32.0				1.1	1.1		1.0	1.1	1.2
34.0				0.9	0.9		0.9	0.9	1.0
36.0				0.8			0.7	0.8	
38.0							0.5	0.6	


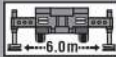


Hubhöhen  
 Lifting heights  
 Hauteurs de levage  
 Alturas de elevación


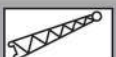







DIN/ISO/EN

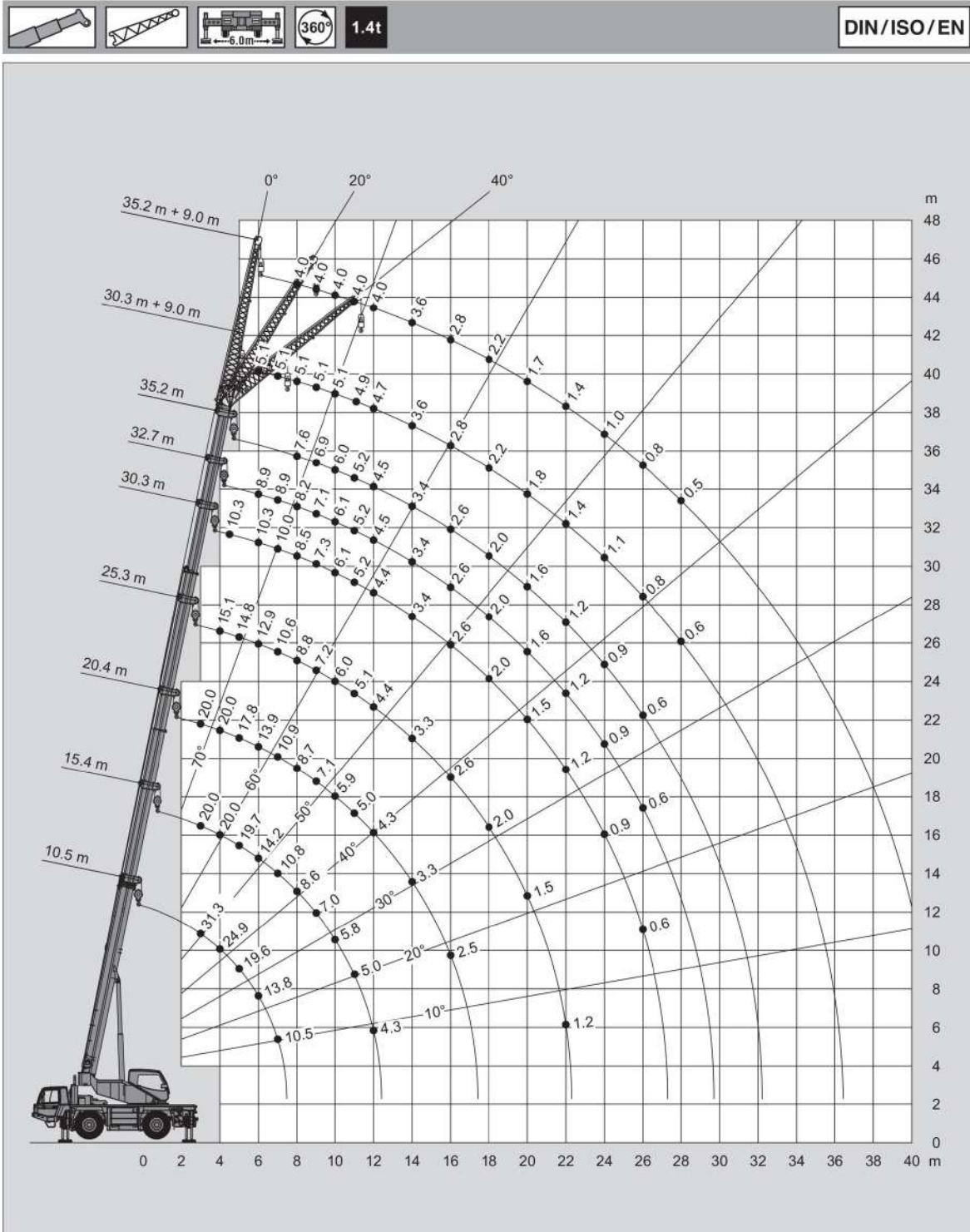


Tragfähigkeiten  
Lifting capacities  
Capacités de levage  
Capacidades de elevación

   <b>3.5t</b> <span style="float: right;"><b>DIN/ISO/EN</b></span>							
 m	10.5 m	15.4 m	20.4 m	25.3 m	30.3 m	32.7 m	35.2 m
3.0	31.6	20.0	20.0	15.1			
3.5	28.5	20.0	20.0	15.1			
4.0	25.8	20.0	20.0	15.1			
4.5	23.2	20.0	20.0	15.1	10.3		
5.0	20.9	20.0	20.0	14.8	10.3		
6.0	16.2	16.5	16.1	13.7	10.3	8.9	7.6
7.0	12.3	12.6	12.7	12.3	10.3	8.9	7.6
8.0		10.1	10.2	10.3	9.6	8.8	7.6
9.0		8.3	8.4	8.5	8.5	8.2	7.6
10.0		7.0	7.1	7.1	7.2	7.3	7.1
11.0		6.0	6.0	6.1	6.2	6.2	6.2
12.0		5.2	5.2	5.3	5.3	5.4	5.4
14.0			4.0	4.1	4.1	4.1	4.2
16.0			3.2	3.2	3.2	3.3	3.3
18.0				2.6	2.6	2.6	2.6
20.0				2.1	2.1	2.1	2.1
22.0				1.7	1.7	1.7	1.7
24.0					1.3	1.4	1.4
26.0					1.1	1.1	1.1
28.0						0.8	0.8
30.0							0.6
32.0							0.5


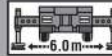


   <b>3.5t</b> <span style="float: right;"><b>DIN/ISO/EN</b></span>									
 m	10.5 m + 9.0 m			30.3 m + 9.0 m			35.2 m + 9.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	6.5								
3.5	6.5								
4.0	6.5	6.5							
4.5	6.5	6.5							
5.0	6.5	6.4							
6.0	6.5	6.0		5.1					
7.0	6.5	5.6	4.7	5.1					
8.0	6.4	5.4	4.5	5.1			4.0		
9.0	6.0	5.1	4.4	5.1	4.6		4.0		
10.0	5.6	4.9	4.2	5.1	4.4		4.0		
11.0	5.3	4.6	4.1	4.9	4.2		4.0	3.7	
12.0	5.1	4.4	4.0	4.7	4.1	3.8	4.0	3.5	
14.0	4.6	4.1	3.9	4.3	3.8	3.5	3.7	3.3	3.1
16.0	4.0	4.0		3.4	3.6	3.3	3.4	3.1	2.9
18.0				2.8	3.0	3.2	2.8	2.9	2.8
20.0				2.3	2.5	2.6	2.3	2.5	2.6
22.0				1.8	2.0	2.2	1.8	2.0	2.2
24.0				1.5	1.7	1.8	1.5	1.7	1.8
26.0				1.2	1.4	1.4	1.2	1.4	1.5
28.0				1.0	1.1	1.2	1.0	1.1	1.2
30.0				0.8	0.9	0.9	0.7	0.9	0.9
32.0				0.6	0.7		0.5	0.6	0.7
34.0					0.5				0.5


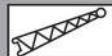


Hubhöhen  
Lifting heights  
Hauteurs de levage  
Alturas de elevación





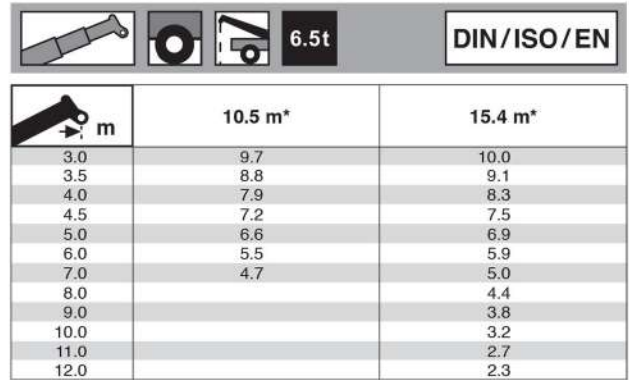
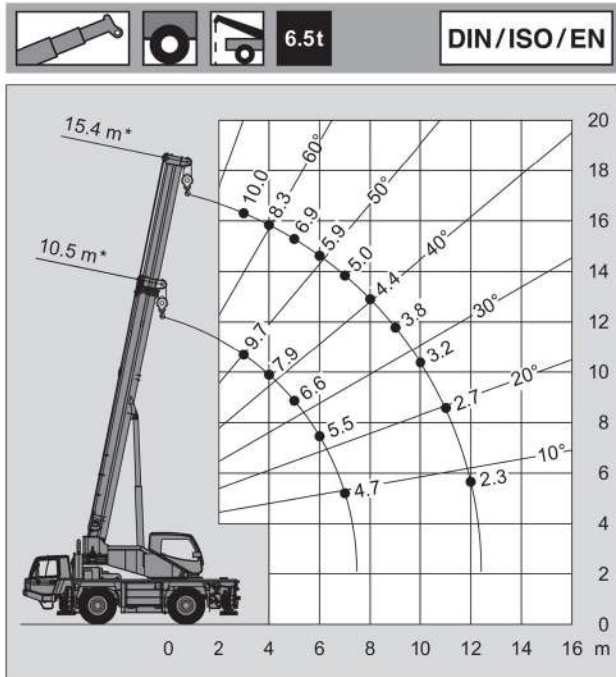
Tragfähigkeiten  
Lifting capacities  
Capacités de levage  
Capacidades de elevación

   <b>1.4t</b> <span style="float: right;"><b>DIN/ISO/EN</b></span>							
 m	10.5 m	15.4 m	20.4 m	25.3 m	30.3 m	32.7 m	35.2 m
3.0	31.3	20.0	20.0	15.1			
3.5	28.0	20.0	20.0	15.1			
4.0	24.9	20.0	20.0	15.1			
4.5	22.2	20.0	20.0	15.1	10.3		
5.0	19.6	19.7	17.8	14.8	10.3		
6.0	13.8	14.2	13.9	12.9	10.3	8.9	7.6
7.0	10.5	10.8	10.9	10.6	10.0	8.9	7.6
8.0		8.6	8.7	8.8	8.5	8.2	7.6
9.0		7.0	7.1	7.2	7.3	7.1	6.9
10.0		5.8	5.9	6.0	6.1	6.1	6.0
11.0		5.0	5.0	5.1	5.2	5.2	5.2
12.0		4.3	4.3	4.4	4.4	4.5	4.5
14.0			3.3	3.3	3.4	3.4	3.4
16.0			2.5	2.6	2.6	2.6	2.6
18.0				2.0	2.0	2.0	2.0
20.0				1.5	1.5	1.6	1.6
22.0				1.2	1.2	1.2	1.2
24.0					0.9	0.9	0.9
26.0					0.6	0.6	0.6

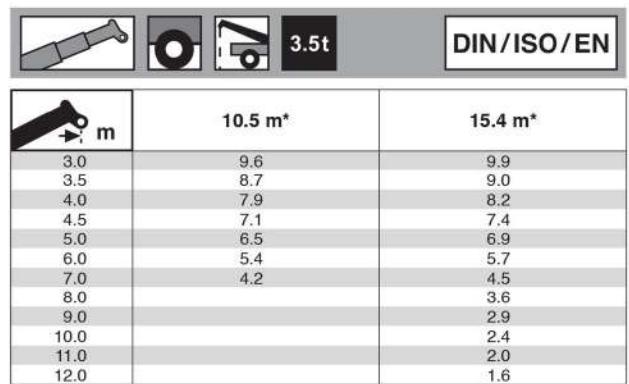
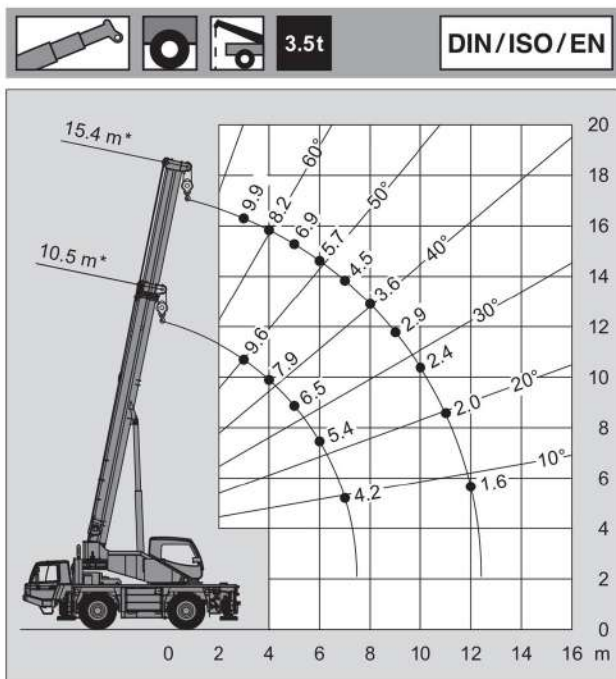
   <b>1.4t</b> <span style="float: right;"><b>DIN/ISO/EN</b></span>									
 m	10.5 m + 9.0 m			30.3 m + 9.0 m			35.2 m + 9.0 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	6.5								
3.5	6.5								
4.0	6.5	6.5							
4.5	6.5	6.5							
5.0	6.5	6.4							
6.0	6.5	6.0		5.1					
7.0	6.5	5.6	4.7	5.1					
8.0	6.4	5.4	4.5	5.1			4.0		
9.0	6.0	5.1	4.4	5.1	4.6		4.0		
10.0	5.6	4.9	4.2	5.1	4.4		4.0		
11.0	5.3	4.6	4.1	4.9	4.2		4.0	3.7	
12.0	5.1	4.4	4.0	4.7	4.1	3.8	4.0	3.5	
14.0	4.1	4.1	3.9	3.6	3.8	3.5	3.6	3.3	3.1
16.0	3.3	3.4		2.8	3.1	3.3	2.8	3.1	2.9
18.0				2.2	2.5	2.7	2.2	2.5	2.7
20.0				1.8	2.0	2.1	1.7	2.0	2.2
22.0				1.4	1.6	1.7	1.4	1.6	1.7
24.0				1.1	1.2	1.3	1.0	1.2	1.4
26.0				0.8	0.9	1.0	0.8	0.9	1.0
28.0				0.6	0.7	0.8	0.5	0.7	0.8
30.0					0.5	0.5		0.5	0.6

Hubhöhen  
Lifting heights  
Hauteurs de levage  
Alturas de elevación

Tragfähigkeiten  
Lifting capacities  
Capacités de levage  
Capacidades de elevación



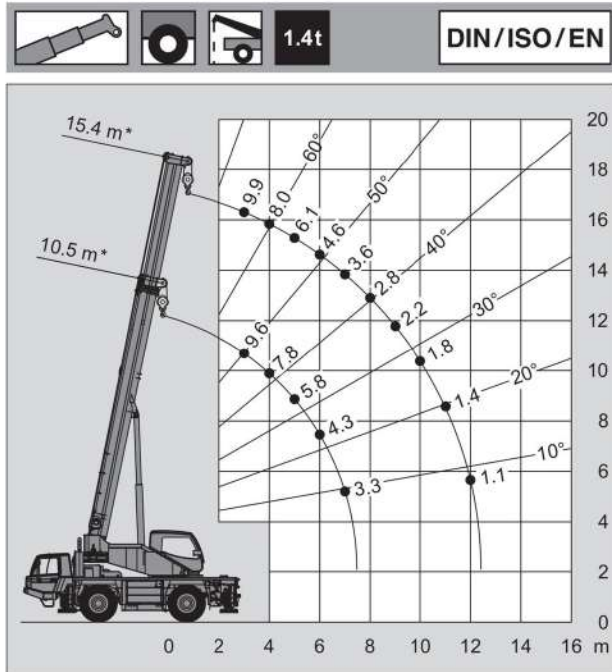
\* Oberwagenverriegelung eingelegt \* Superstructure verrouillé  
\* Superstructure locked \* Bloqueo de superestructura



\* Oberwagenverriegelung eingelegt \* Superstructure verrouillé  
\* Superstructure locked \* Bloqueo de superestructura

Hubhöhen  
Lifting heights  
Hauteurs de levage  
Alturas de elevación

Tragfähigkeiten  
Lifting capacities  
Capacités de levage  
Capacidades de elevación



1.4t DIN/ISO/EN

Height (m)	10.5 m*	10.5 m (360°)	15.4 m*	15.4 m (360°)
3.0	9.6	6.1	9.9	6.4
3.5	8.6	5.1	8.9	5.4
4.0	7.8	4.4	8.0	4.7
4.5	6.8	3.8	7.0	4.1
5.0	5.8	3.2	6.1	3.5
6.0	4.3	2.4	4.6	2.7
7.0	3.3	1.8	3.6	2.1
8.0			2.8	1.6
9.0			2.2	1.2
10.0			1.8	0.9
11.0			1.4	0.7
12.0			1.1	

\* Oberwagenverriegelung eingelegt  
\* Superstructure locked

\* Superstructure verrouillée  
\* Bloqueo de superestructura

Anmerkungen zu den Traglasttabellen  
Remarks relating to the capacity 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 Teil 3 / F.E.M. / EN 13000.*

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

*Die zulässige Windgeschwindigkeit beträgt maximal 15 m/sec.*

*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 demontierter 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 Bedienungsanleitungen müssen zu Rate gezogen werden, bevor die Maschine in Betrieb genommen wird. Alle hier gemachten Angaben beziehen sich auf die Standard-Ausführung. Jegliche Ausrüstungsveränderungen können die angegebenen Werte beeinflussen.*

### Remarques relatives aux tableaux des charges

*Les forces de levage sont conformes aux normes DIN 15018, chap. 3 / F.E.M. / EN 13000.*

*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'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 capacity charts

*The lifting capacities in the structural area are based on DIN 15018 part 3 / F.E.M. / EN 13000.*

*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.*

### 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, Cap. 3/F.E.M./ EN 13000.*

*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.*

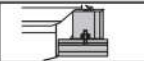
*Las capacidades de carga referentes a la pluma telescópica valen solamente si el plumín está desmontada.*

*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.*

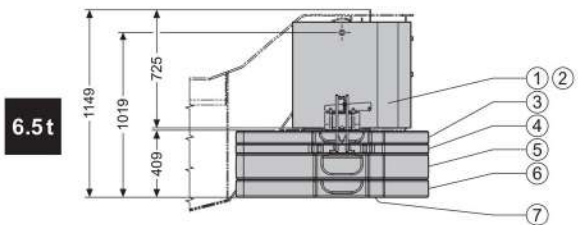
*Salvo modificación de capacidades de carga, sin previo aviso.*

*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.*

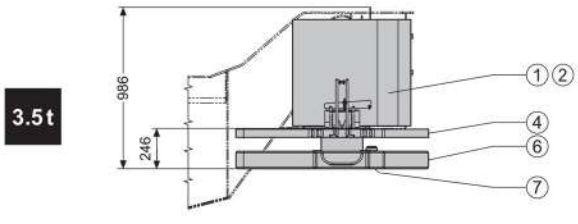
Gegengewichtvarianten  
Counterweight versions  
Variations des contrepoids  
Variaciones de contrapeso

	Gegengewicht / Counterweight Contrepoids / Contrapeso	①	②	③	④	⑤	⑥	⑦
	(t)	0.7	0.7	1.0	0.7	2.0	1.2	0.2

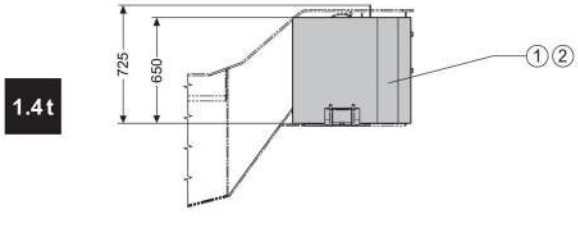
  



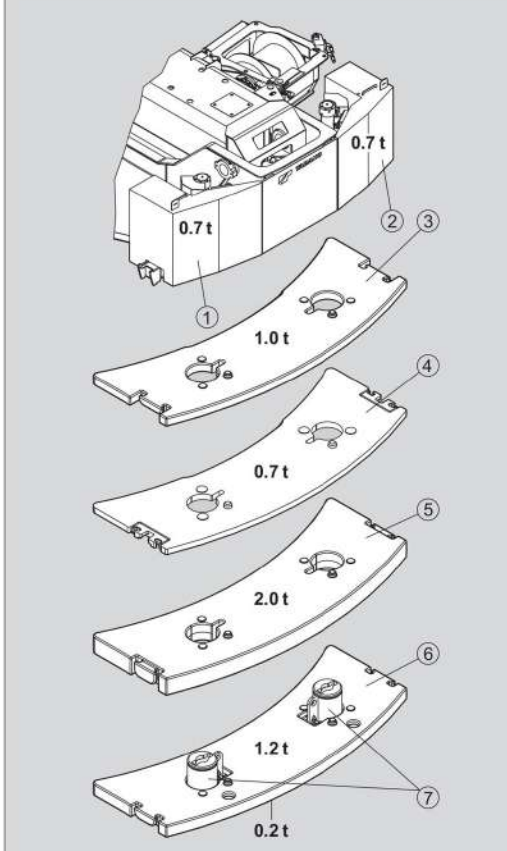
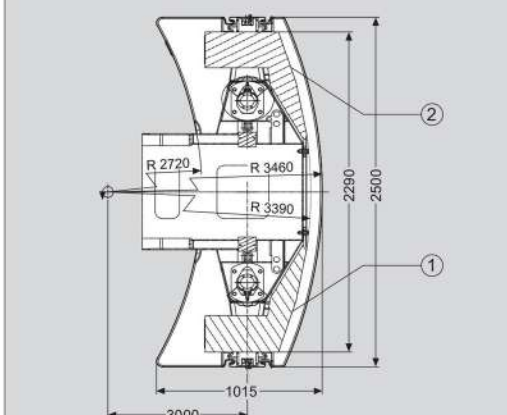
**6.5t**

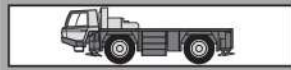


**3.5t**



**1.4t**



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

**Outriggers** 4 point, telescopic hydraulic outriggers with controls on both sides of carrier and in superstructure cab. Outrigger base 6.0 m (4.3 m mid extension) x 6.45 m.

**Carrier engine** Mercedes-Benz 6 cylinder model OM 906 LA (Euromot III A/ EPA III), water-cooled diesel engine. Rated at 205 kW (279 HP) at 2200 min<sup>-1</sup>. Torque 1100 Nm (112 kpm) at 1200 - 1600 min<sup>-1</sup>. Engine rating according to 80 / 1269 / EWG. Fuel tank 300 l.

**Transmission** ZF Powershift transmission 6 WG 210 with integrated transfer case, hydrodynamic torque converter (with "lock-up" from 1<sup>st</sup> gear) and with 6 forward gears and 1 reverse gear.

**Drive** 4 x 4

#### Axles

1<sup>st</sup> axle: steered, driven, with differential lock.  
2<sup>nd</sup> axle: steered, driven, with differential lock.

**Suspension** Hydro-pneumatic with levelling adjustment.

**Brake system** Service brakes: dual circuit compressed air system with ABS. Parking brake: spring loaded type acting on 1<sup>st</sup> and 2<sup>nd</sup> axles. Auxiliary brakes: engine exhaust brake and constant throttle engine brake system.

**Tyres** (4) 385/95 R 25 (14.00 R 25).

**Steering system** ZF-Servocom, dual circuit hydraulic steering, mechanical steering of front axle with hydraulic assistance and emergency steering pump. Steering of both axles possible. All axles steered hydrostatically from superstructure cab.

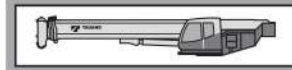
**Carrier cab** Two man full width cab of composite (steel sheet metal and fibre-glass) structure, with safety glass, air-cushioned adjustable seats, engine dependent hot-water heater. Complete controls and instrumentation for road travel. Speed control.

**Electrical system** 24 volt DC system, 2 batteries, Electrical system conforms with EEC regulations.

#### Optional Equipment (at extra charge)

Towing attachment, eddy current retarder brake, engine independent additional heater with engine pre-heat, air conditioning, 445/95 R 25 (16.00 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.

**Hydraulic system** Three circuit diesel hydraulic system with 1 double axial piston pump (hydraulically adjustable) and 1 gear pump, oil cooler. Pumps driven by carrier engine rated at 188 kW (255 HP) at 1650 min<sup>-1</sup> (DIN 6270B).

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

**Telescopic boom** 4 sections, made of high tensile, fine-grained steel, consisting of 1 base section and 3 telescoping sections, single telescopic cylinder and ropes. All telescope sections extendable under partial load. 10.45 m to 35.2 m long. Boom head with 5 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 with hydraulically controlled spring-loaded, multiple disc brake and with 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 reduction with a foot actuated service and a parking brake. Speed infinitely variable 0 - 2 min<sup>-1</sup>.

**Counterweight** Standard 1.4 t.

**Superstructure cab** Spacious panoramic cab of composite structure with safety (tinted) glass windows with hydraulically cushioned adjustable seat, engine independent hot-water heater, air conditioning. Complete controls and instrumentation for crane operation, on-site travelling and outriggers.

**Electrical system** 24 volt DC system.

**Safety devices** Load moment device (LMD), working area display, 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 extension 9.0 m, offsets 0°, 20° and 40°, additional counterweight 5.1 t, counterweight variation 3.5 t, selection of hook blocks, working and slewing area limiter, additional oil cooler, special painting and lettering.

Further optional equipment available upon request.