



CRANE SPECIFICATION

DEMAG AC350 - 6

COMPREHENSIVE LIFTING SOLUTIONS

We look forward to providing a full heavy lift engineering and crane solution for your next project. Our heavy lift engineers and on site personnel are experienced in managing and organising highly de-manding lift requirements.

Contact us to discuss your lifting requirements and a free quote.

BRISBANE (HQ)

07 3907 5800
37 Paringa Rd, Murarrie, QLD, 4172

BALLINA

02 6686 7748
5 Convair Ave, Ballina, NSW, 2478

GLADSTONE

07 4829 5219
7 Morgan St, Gladstone, QLD, 4680

ROMA

07 4622 5522
8 Wormwell Drive, Roma QLD 4455

TOWNSVILLE

07 4779 4088
16 Mackley St, Garbutt QLD 4814

RICHLANDS

07 3907 5800
462 Boundary Rd, Richlands QLD 4077

ROCKHAMPTON

07 4939 1095
39-42 Johnson St, Park Hurst, QLD, 4702

BILOELA

07 4939 1095
67 Dawson Hwy, Biloela QLD 4715

SUNSHINE COAST

0409 595 618
562 Maroochydore Rd, Kunda Park, QLD, 4556

MACKAY

07 4952 6998
135 Diesel Drive, Paget QLD 4740



KEY



Counterweight · Gegengewicht · Contrepoids · Contrappeso · Contrapeso



Lifting capacities on outriggers · Tragfähigkeiten, abgestützt · Capacités de levage sur stabilisateurs · Portate su stabilizzatori · Capacidad de elevación sobre los apoyos · 360°



Radius · Ausladung · Portée · Sbraccio · Radio



Main boom · Hauptausleger · Flèche principale · Braccio base · Pluma principal



Swing-away jib · Klappspitze · Fléchette pliante · Punta retráctil · Plumin de articulación



Fixed fly jib · Starrer Hilfsausleger · Fléchette fixe · Falcone fissa · Plumin fijo



Luffing fly jib · Wippbarer Hilfsausleger · Fléchette à volée variable · Falcone a volata variabile · Plumin abatible



Runner · Montagespitze · Potence · Runner · Runner



Adapter · Adapter · Adaptateur · Adattatore · Adaptador



Max. axle loads · Max. Achslasten · Poids d'essieux max. · Pesi sugli assi max. · Carga por eje máx.



Mechanism · Antrieb · Mécanisme · Funzioni · Mecanismos



Tyres · Bereifung · Pneumatiques · Pneumatici · Neumáticos



Hook block · Unterflasche · Crochet-moufle · Bozzello · Gancho



Hoist · Hubwerk · Treuil de levage · Agano · Cabrestante



Dolly · Nachläufer · Remorque · Vagoni · Tráiler



Superlift · Superlift · Levage supplémentaire · Superlift · Superlift



Travel speed · Fahrgeschwindigkeit · Vitesse sur route · Velocità su strada · Velocidad en carretera



Gradeability – road · Steigfähigkeit – Straße · Capacité sur rampes – route · Pendenza superabile – su strada · Pendiente franqueable – carretera



Gradeability – off road · Steigfähigkeit – Gelände · Capacité sur rampes – tous terrains · Pendenza superabile – fuoristrada · Pendiente franqueable – campo a través



Slewing · Drehwerk · Orientation · Rotazione · Unidad de giro



Boom telescoping · Teleskopieren · Télescopage · Funzione telescopica · Despliegue telescópico



Boom elevation · Ausleger-Winkelstellung · Relevage de flèche · Angolazione braccio · Elevación de pluma



Angle of extension · Winkel der Verlängerung · Angle de l'extension · Angolo di estensione del braccio · Ángulo de la extensión



Workings speeds · Arbeitsgeschwindigkeiten · Vitesses opérationnelles · Velocità di lavoro · Velocidades de trabajo



Max. line pull · Max. Seilzug · Traction par câble max. · Tiro max · Tensión máx. de cable



Rope diameter · Seildurchmesser · Diamètre du câble · Diametro · Diam. cable



Rope length · Seillänge · Longueur du câble · Lunghezza fune · Long. cable



Hook block (capacity-sheaves-rope diameter) · Unterflasche (Tragfähigkeit-Rollen-Seildurchmesser) · Crochet-moufle (capacité de charge-poulies-diamètre du câble) · Bozzello (portata-pulegge-diametro fune) · Gancho (capacidad de carga-poleas-diametro de cable)



Number of lines · Einscherung · Nombre de brins · No max avvolgim. · Reenvíos máx.



Possible load of hook block · Mögliche Traglast Unterflasche · Charge possible de crochet-moufle · Portata possibile di bozzello · Carga permitida de gancho



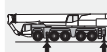
Weight of hook block · Gewicht Unterflasche · Poids de crochet-moufle · Peso di bozzello · Peso de gancho



Distance head sheave axle – hook ground · Abstand Kopfrollenachse – Hakengrund · Distance entre l'axe de la poulie de tête et le fond du crochet · Distanza asse puleggia da testa – zona di ancoraggio del gancho · Distancia eje de la polea de cabeza – fondo del gancho



Number of sheaves in boom head · Anzahl der Rollen im Auslegerkopf · Nombre de poulies au niveau de la tête de flèche · Numero di pulegge nella testa del braccio · Total de poleas en el cabezal de flecha



Supporting force · Stützkraft · Force de calage · Carico degli stabilizzatori · Fuerza de apoyo

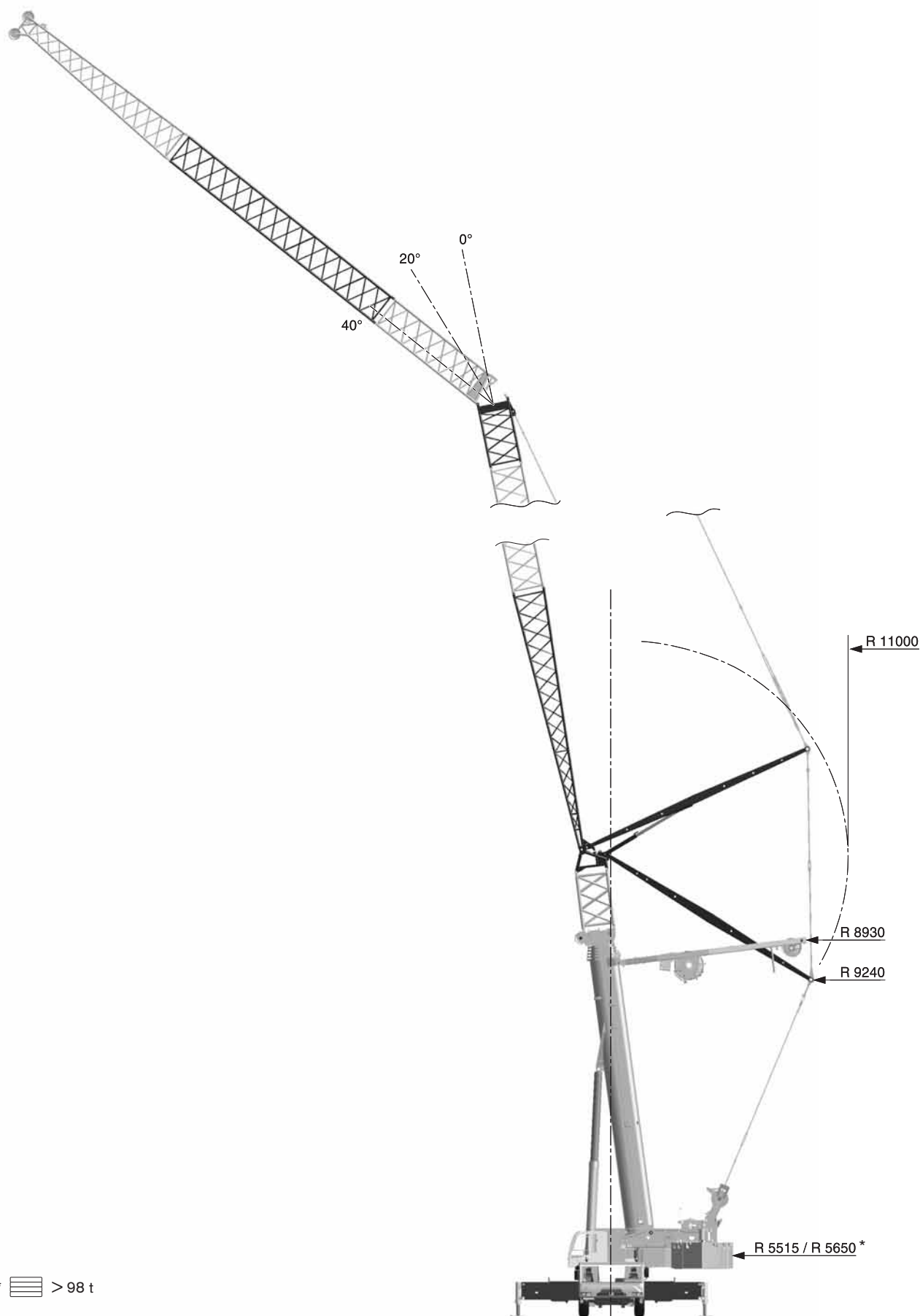


Length of stroke (support cylinders) · Stützhub · Longueur d'appui · Lunghezza corsa (cilindri di stabilizzazione) · Longitud de carrera (cilindros de soporte)

Technical drawing of the rear view of the vehicle chassis. The drawing shows the rear suspension, rear axle, and rear wheel assembly. Key dimensions and radii are indicated:

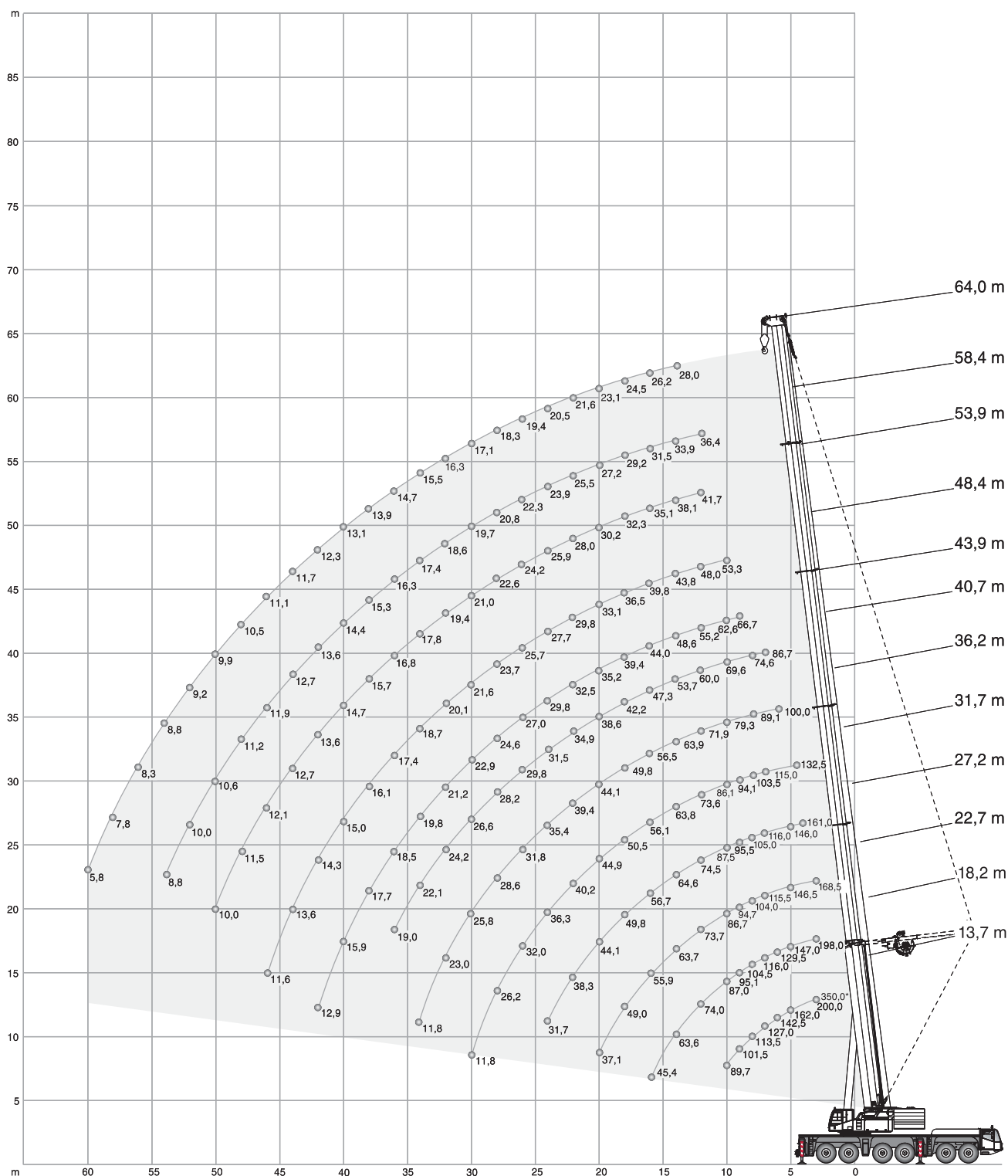
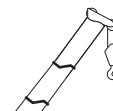
- Overall width: 3416 (< 98t)
- Distance between rear wheels: 3000
- Overall width including rear wheel: 3841 (> 98t)
- Rear wheel radius: R5515 (< 98t)
- Rear wheel offset: 875
- Rear wheel diameter: $\varnothing 700$
- Rear wheel offset from centerline: 3890
- Overall width including rear wheel (alternative): 8687
- Rear wheel offset from centerline (alternative): 7380
- Rear wheel offset from centerline (alternative): 13940
- Rear wheel offset from centerline (alternative): 13600
- Rear wheel offset from centerline (alternative): 2880
- Rear wheel offset from centerline (alternative): 2750
- Rear wheel offset from centerline (alternative): 2980
- Rear wheel offset from centerline (alternative): 5540
- Rear wheel offset from centerline (alternative): 7000
- Rear wheel offset from centerline (alternative): 8500

DIMENSIONS



[illegible]

HA / HA-SL



HA / HA-SL

 116,7 t		 8,7 m x 8,5 m										360°										ISO	
 (0°)	m	13,7	13,7	18,2	22,7	27,2	31,7	36,2	36,2*	40,7	40,7*	43,9	45,2*	48,4	49,7*	53,9	54,2*	58,4	58,7*	64,0	64,0*		
	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t		
	350,0**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3	200,0	200,0	198,0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4	184,0	168,5	169,0	168,5	161,0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5	162,0	146,5	147,0	146,5	146,0	132,5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
6	142,5	129,0	129,5	129,5	128,5	125,5	100,0	106,0	-	83,3	-	-	-	-	-	-	-	-	-	-	-		
7	127,0	115,0	116,0	115,5	116,0	115,0	94,5	103,5	86,7	80,9	-	68,3	-	-	-	-	-	-	-	-	-		
8	113,5	103,5	104,5	104,0	105,0	103,5	89,1	100,5	80,7	78,6	-	66,6	-	54,9	-	46,2	-	-	-	-	-		
9	101,5	94,3	95,1	94,7	95,5	94,1	84,2	91,6	74,6	76,5	66,7	64,8	-	53,7	-	45,3	-	35,6	-	-	-		
10	89,7	86,2	87,0	86,7	87,5	86,1	79,3	83,7	69,6	74,4	62,6	63,3	53,3	52,6	-	44,4	-	34,8	-	27,3	-		
12	-	-	74,0	73,7	74,5	73,6	71,9	71,3	60,0	69,8	55,2	60,2	48,0	50,4	41,7	42,5	36,4	33,4	-	26,1	-		
14	-	-	63,6	63,7	64,6	63,8	63,9	61,9	53,7	60,5	48,6	57,7	43,8	48,3	38,1	40,7	33,9	32,1	28,0	25,1	-		
16	-	-	45,4	55,9	56,7	56,1	56,5	54,4	47,3	53,1	44,0	52,5	39,8	46,6	35,1	39,1	31,5	30,8	26,2	24,1	-		
18	-	-	-	49,0	49,8	50,5	49,8	48,1	42,2	47,2	39,4	46,6	36,5	44,8	32,3	37,7	29,2	29,7	24,5	23,1	-		
20	-	-	-	37,1	44,1	44,9	44,1	42,4	38,6	41,9	35,2	41,7	33,1	41,5	30,2	36,3	27,2	28,7	23,1	22,3	-		
22	-	-	-	-	38,3	40,2	39,4	37,7	34,9	37,2	32,5	37,3	29,8	37,4	28,0	34,9	25,5	27,6	21,6	21,5	-		
24	-	-	-	-	31,7	36,3	35,4	33,7	31,5	33,2	29,8	33,3	27,7	33,7	25,9	33,3	23,9	26,6	20,5	20,7	-		
26	-	-	-	-	-	32,0	31,8	30,0	29,8	29,5	27,0	29,7	25,7	30,1	24,2	30,7	22,3	25,8	19,4	19,9	-		
28	-	-	-	-	-	26,2	28,6	26,9	28,2	26,4	24,6	26,5	23,7	26,9	22,6	27,6	20,8	25,0	18,3	19,3	-		
30	-	-	-	-	-	11,8	25,8	23,6	26,6	23,7	22,9	23,8	21,6	24,2	21,0	24,9	19,7	24,3	17,1	18,7	-		
32	-	-	-	-	-	-	23,0	19,1	24,2	21,4	21,2	21,5	20,1	21,9	19,4	22,5	18,6	23,1	16,3	18,1	-		
34	-	-	-	-	-	-	11,8	-	22,1	19,0	19,8	19,4	18,7	19,7	17,8	20,3	17,4	20,9	15,5	17,6	-		
36	-	-	-	-	-	-	-	-	19,0	15,4	18,5	17,4	17,4	17,8	16,8	18,4	16,3	19,0	14,7	17,0	-		
38	-	-	-	-	-	-	-	-	-	-	17,7	15,7	16,1	16,0	15,7	16,7	15,3	17,3	13,9	16,4	-		
40	-	-	-	-	-	-	-	-	-	-	15,9	12,4	15,0	14,6	14,7	15,2	14,4	15,8	13,1	15,5	-		
42	-	-	-	-	-	-	-	-	-	-	12,9	9,0	14,3	13,1	13,6	13,7	13,6	14,3	12,3	14,5	-		
44	-	-	-	-	-	-	-	-	-	-	-	-	13,6	10,6	12,7	12,5	12,7	13,1	11,7	13,3	-		
46	-	-	-	-	-	-	-	-	-	-	-	-	11,6	8,0	12,1	11,3	11,9	11,9	11,1	12,1	-		
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,5	9,3	11,2	10,9	10,5	11,1	-		
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,0	7,3	10,6	9,9	9,9	10,1	-		
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,0	8,3	9,2	9,3	-		
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,8	6,7	8,8	8,4	-		
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,3	7,4	-		
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,8	6,3	-		
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,8	4,4	-		



** Capacity class

** Tragfähigkeitsklasse

** Classe de capacité

** Classe di portata

** Clase de capacidad

[illegible]

[illegible]

TECHNICAL DESCRIPTION

Basic equipment

Carrier

Engine 450-3a	Daimler; Output 450 kW (612 HP), Torque 2700 Nm, certifications in accordance with EURO MOT 3a, TIER 3, CARB; Exhaust system cpl. stainless steel, incl. spark arrester, certification in accordance with 94/4/EC (ATEX Directive).
Fuel tank 630	630 l; Fuel: Diesel or alternatives (no RME / Bio-Diesel); Supplies carrier and crane (50 l buffer tank at crane).
Transmission AS-INT	ZF AS-Tronic; Automated gearbox with integrated hydraulic retarder, 12 forward speeds and 2 reverse; 2-stage transfer case with switchable off-road gear and switchable longitudinal lock.
Axles 12 x 8 x 10	12 x 8 x 10; 6 axles, axles 2,4-6 driven and equipped with selectable transverse lock, axles 4 and 5 with selectable longitudinal lock, axles 1-3, 5 and 6 steered, axle 4 liftable.
Suspension	Hydropneumatic suspension with axle load compensation; Hydraulically lockable; Manual or automatic levelling alternatively.
Steering	Dual circuit hydro semiblock steering with emergency steering pump; Active rear axle steering with different steering programs.
Brakes	Pneumatic dual circuit service brake, acting on all wheels; Disc brakes; Hydraulic retarder integrated into transmission as sustained-action brake; Additional exhaust brake and constant choke valve; Spring-loaded parking brake.
Wheels 38595	385/95R25 (14.00R25); Steel rims.
Cab carrier 2880	Type 2.88 m; Adjustable driver seat with seat heating, armrests and pneumatic suspension; Co-driver's seat; Steering wheel height and tilt adjustable; Power door windows; Tinted glass; Radio-preparation.
Heating engine-dependant 12	Engine-dependant warm water heating with 12 kW heating power.
Aircondition carrier 7	Aircondition in carrier cab with 7 KW cooling power.
Drive lights	With low beam, upper beam.
Tempomat	Automatic speed control including automatic brake control.
Central lubrication	Central auto lube for all lubrication points at carrier.
Electronic immobiliser system	Prevents uncontrolled carrier mobilisation; Incl. 3 keys.
Miscellaneous	Ascendancies; Loose stepladder.

Crane

Telescopic boom HA64	15 m - 64 m; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 6 sheaves integrated in boom head for max. capacity of 134.5 t.
Counterweight 75	75.1 t, 8 pieces (a-f, g+h); Automatic rigging system; Expandable to max. 116.7 t; Max. 8.0 t can be carried on board serially.
Outriggers	H-4-Point design; 4 outriggers telescopic; Vertical and horizontal agitation fully hydraulic; Manual or automatic levelling alternatively; 4 outrigger bases.
Outrigger pads 038	4 outrigger foots A = 0.38 m ² with transport position at vertical cylinder.
Outrigger load indicator	Displayed in LMI crane cab.
Boom luffing	1 luffing cylinder with automatic lowering brake valve.
Rotary drive	1 slewing gear unit with spring-loaded multi-disc brake; Different operating modes selectable.
H1	Hoist with spring-loaded multi-disc brake; Twist prevention for rope; Integrated rotation indicator.
Engine 205-3a	Daimler; Output 205 kW (279 HP), Torque 1100 Nm, certifications in accordance with EURO MOT 3a, TIER 3, CARB; Exhaust system cpl. stainless steel, incl. spark arrester, certification in accordance with 94/4/EC (ATEX Directive).
Drive	Hydraulic system with power control; Hydraulic oil cooler.
Control system	Enabling 4 simultaneous working movements; Electric pilot controls via 2 two-axis joysticks.
Operator aids	IC-1, with integrated load moment indicator; Colour display; Displaying of current operating conditions, load charts, fault indicator; (pre-) warning when approaching limit devices and conditions; Signal lights indicating LMI-load; Crane data logger.
Working range limiter	In LMI.
Cab crane 088	Type 0.875 m; Tilt variable 20°; Seat heating; Sliding window in door and rear; Fold-out front window; Extendable side pedestal, foldable front pedestal; Handrails; Tinted safety glass; Pull-down sun visor and light curtains; Radio-preparation.
Heating engine dependant 12	Engine-dependant warm water heating with 12 kW heating power.
Aircondition crane 7	Aircondition in crane cab with 7 KW cooling power.
Xenon work floodlight 1	Out of crane cab adjustable xenon floodlight, at front support boom base section.
Miscellaneous	Safety balustrade and handrails for crane access.

Diverse

Illumination	1 x for hoists and rigging, 1 x adjustable for work prefield at crane cab, 1 x engine area crane, 4 x for outriggers.
Positioning light	Double beacon, disconnectable, to be used with all extensions.
Contour safety marking	Continuous reflecting bands at carrier sides and tail.

TECHNICAL DESCRIPTION

Options

Carrier

Counterweight transport storage on carrier tail

Wheels 44595

Wheels 52580 Michelin

For storing counterweight „b“ à 6.5 t or one of „c-e“ à 10.1 t on carrier tail; Enables to carry max. 18.1 t counterweight on board; Not together with tail boxes.

445/95R25 (16.00R25); Steel rims.

525/80R25 (20.50R25); Steel rims; Michelin; Incl. carrier broadening to 3.12 m.

Crane

S1

4 additional sheaves = 10 sheaves in boom head enable max. capacity of 200 t.

SL

Superlift; Capacity increasing boom guy support; Incl. transport storage, machine height 4.09 m.

H2

2. hoist; Spring-loaded multi-disc brake; Resolver; Rope twist prevention; Incl. quick couplings and transport storage, machine height 4.09 m; Enables 2-hook operation with all extensions except WIHI; Exclusive luffing tackle.

H2 hint

Attention! H2 incl. disconnectable luffing tackle unit included in WIHI.

Reeving winch

For reeving assistance.

Additional counterweight 21ij

20.8 t; Side weights i+j; For max. 95.9 t or 116.7 t in combination with optional additional counterweight 21kl.

Additional counterweight 21kl

20.8 t; Side weights k+l; For max. 95.9 t or 116.7 t in combination with optional additional counterweight 21ij.

Extensions

WIHI72

72 m; Luffing jib, complete building set; Spacing 6 m; With integrated manual offset section 20° / 40°; System dimensions Q1313, Q1309; 2-sheaved head; Includes TWIHI66, SF51, LF27, H2 incl. disconnectable luffing tackle unit.

SF51

51 m; Strong fixed jib; Spacing 6 m; With integrated manual offset section 20° / 40°; System dimensions Q1313, Q1309; 2-sheaved head; Includes LF27.

LF27

27 m; Light fixed jib; Spacing 6 m; With integrated manual offset section 20° / 40°; System dimension Q1309; 2-sheaved head.

MS3

3 m; 2-parted runner; 3-sheaved head for max. capacity 69 t; Operation of runner head also with selected LF- and WIHI-lengths (SWIHI).

HAV20

11.4 m / 20 m; Extensile swing-away jib incl. folding adapter, manual offset 20° / 40°; 1-sheaved head; Incl. transport storage (folding adapter remains at boom head).

Swing-away rooster sheave

Incl. transport storage; For single-reeving operation.

Diverse

Hook block 200-9-23-D

200-9-23-D (2000 kg); Hook block with ramshorn hook; white with red signal stripes.

Hook block 160-7-23-D

160-7-23-D (1700 kg); Hook block with ramshorn hook; white with red signal stripes.

Hook block 125-5-23-D

125-5-23-D (1200 kg); Hook block with ramshorn hook; white with red signal stripes.

Hook block 80-3-23-D

80-3-23-D (1050 kg); Hook block with ramshorn hook; white with red signal stripes.

Hook block 80-3-23-E

80-3-23-E (1050 kg); Hook block with single hook; white with red signal stripes.

Hook block 40-1-23-D

40-1-23-D (750 kg); Hook block with ramshorn hook; white with red signal stripes.

Hook block 40-1-23-E

40-1-23-E (750 kg); Hook block with single hook; white with red signal stripes.

Hook 12-0V-E

12-0V-E (500 kg); single hook with vertical swivel; red.