



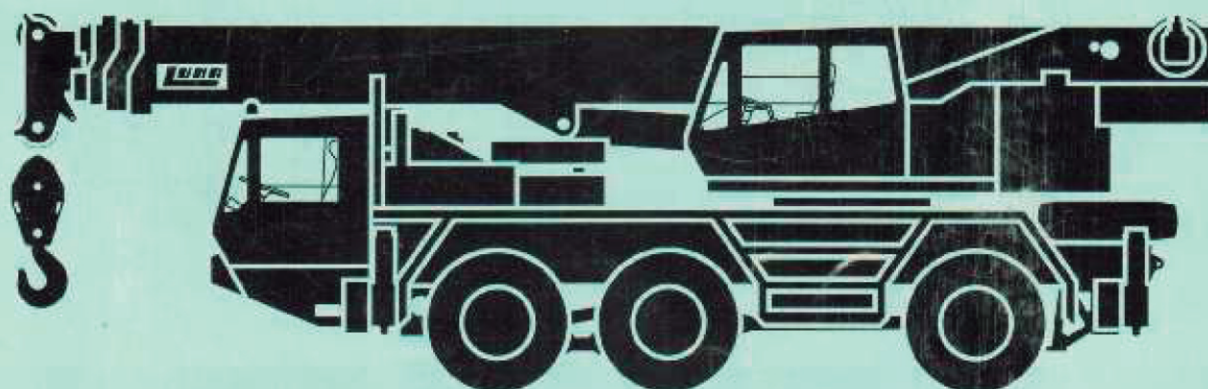
GRÚA AUTOPROPULSADA TODO TERRENO RÁPIDA

ALL TERRAIN CRANE

GRUE AUTOMOTRICE TOUT TERRAIN RAPIDE

GELÄNDEKRAN

AT-50/40



DIMENSIONES

AT504000400

DIMENSIONS / DIMENSIONS / ABMESSUNGEN

N1152

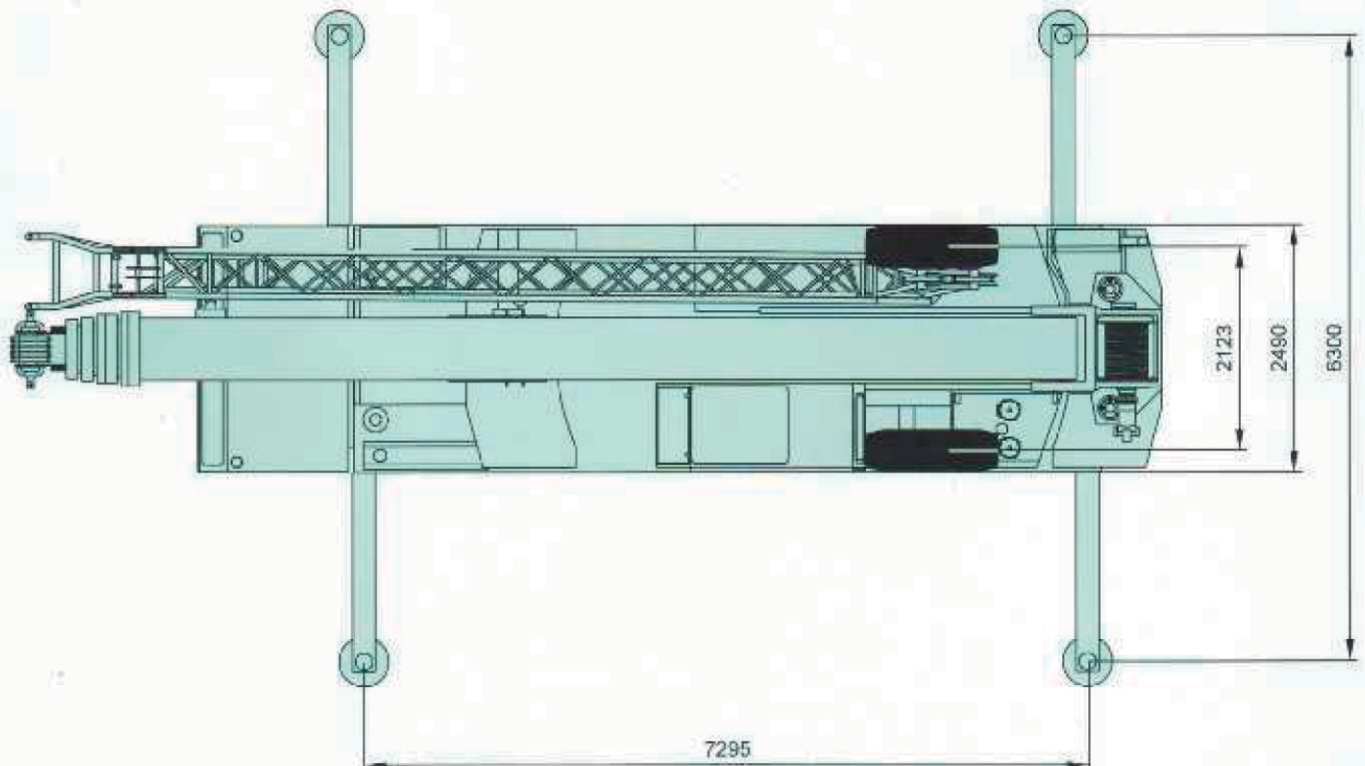
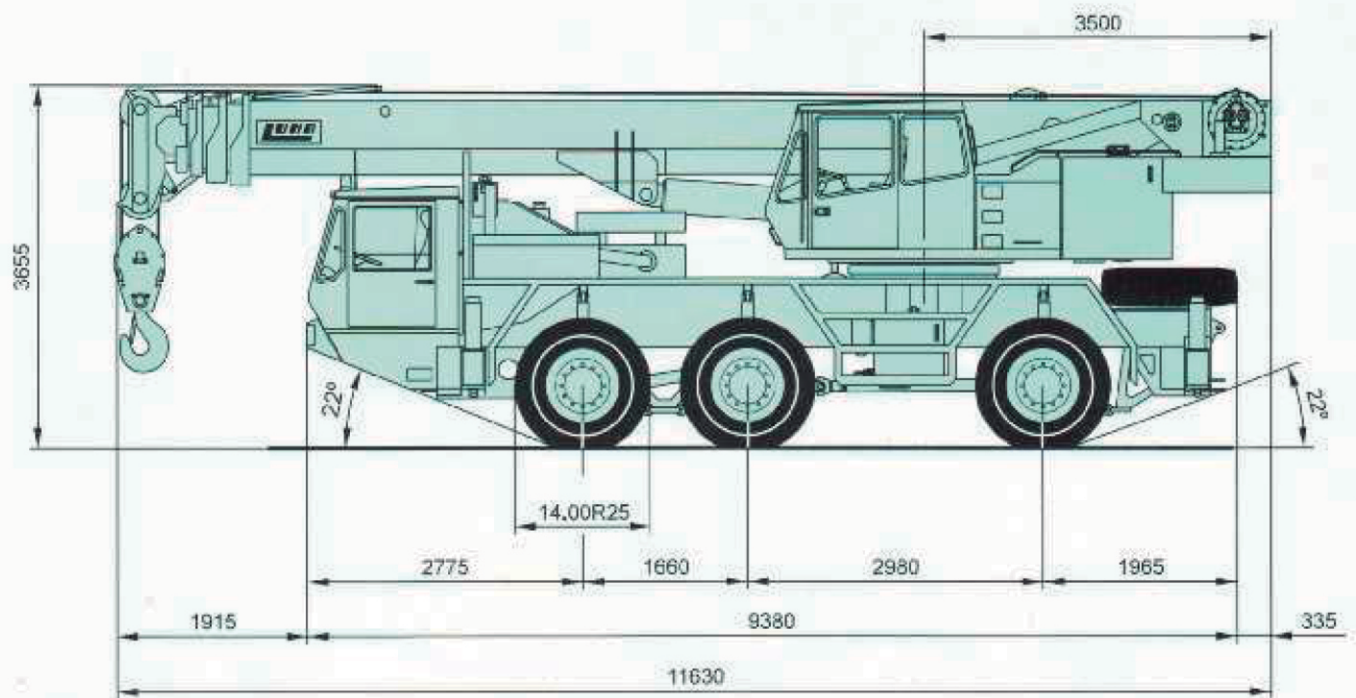


DIAGRAMA DE ALCANCES

AT504000400

RANGE DIAGRAM / DIAGRAMME DES PORTEES / AUSLADUNGSDIAGRAMM



00502

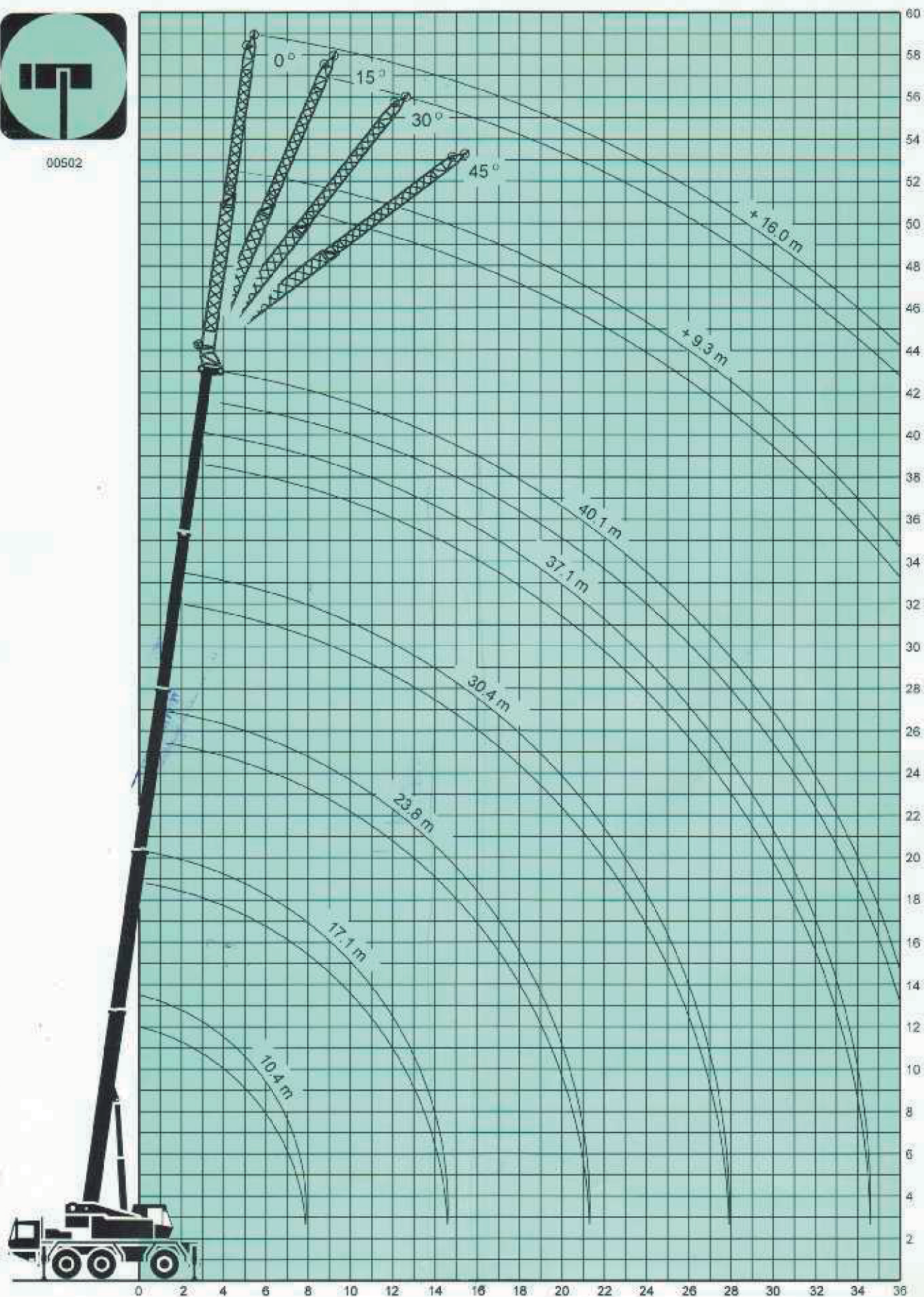


TABLA DE CARGAS

AT504000400

LIFTING CAPACITIES / FORCES DE LEVAGE / TRAGLASTEN

01013-01020

CONTRAPESO / COUNTERWEIGHT / CONTREPOIDS / BALLAST

7 t

PLUMA PRINCIPAL. GRUA SOBRE ESTABILIZADORES TOTALMENTE EXTENDIDOS. ZONA DE TRABAJO 360°

MAIN BOOM. CRANE ON FULLY EXTENDED OUTRIGGERS. ROTATION 360°

FLÈCHE PRINCIPALE. GRUE SUR STABILISATEURS EN EXTENSION TOTALE. ROTATION 360°

TELESKOP-AUSLEGER. ARBEITSZUSTAND: ABGESTÜTZT (VOLLE STÜTZBASIS). ARBEITSBEREICH: 360°

RADIO RADIUS PORTÉE AUSLADUNG m	75%									RADIO RADIUS PORTÉE AUSLADUNG m
	LONGITUD DE PLUMA BOOM LENGTH LONGUEUR DE FLÈCHE TELESKOP-AUSLEGERLÄNGEN									
	10.4 m	17.1 m		23.8 m		30.4 m		37.1 m	40.1 m	
3	50.0*/45.0	31.5	18.0							3
4	38.5*/36.5	31.2	18.4	17.0	15.0					4
5	30.8	28.3	19.1	17.9	15.0	14.0	12.0			5
6	25.7	24.4	19.9	18.3	14.8	14.0	11.5	9.5		6
7	21.3	20.2	20.2	17.8	13.5	13.6	10.7	9.4	7.7	7
8		16.7	18.8	16.0	12.4	12.8	9.8	9.2	7.6	8
9		14.0	18.1	13.9	11.5	12.0	9.0	8.8	7.4	9
10		11.6	13.7	12.0	10.6	11.0	8.3	8.4	7.1	10
12		8.1	10.1	9.0	9.1	9.1	7.0	7.3	6.5	12
14		5.8	7.7	6.8	7.8	7.3	6.0	6.3	5.9	14
16				5.1	6.6	5.7	5.2	5.4	5.3	16
18				3.9	5.4	4.4	4.6	4.6	4.6	18
20				3.1	4.4	3.4	4.1	3.9	3.9	20
22						2.7	3.7	3.1	3.1	22
24						2.1	3.2	2.4	2.4	24
26						1.6	2.7	1.8	1.8	26
28								1.3	1.3	28
30								0.9	0.9	30
32								0.6	0.6	32

RADIO RADIUS PORTÉE AUSLADUNG m	85%									RADIO RADIUS PORTÉE AUSLADUNG m
	LONGITUD DE PLUMA BOOM LENGTH LONGUEUR DE FLÈCHE TELESKOP-AUSLEGERLÄNGEN									
	10.4 m	17.1 m		23.8 m		30.4 m		37.1 m	40.1 m	
3	50.0*/45.0	31.5	18.0							3
4	38.5*/36.5	31.5	18.4	17.0	15.0					4
5	30.8	30.8	19.1	17.9	15.0	14.0	12.0			5
6	25.7	25.7	19.9	18.3	15.0	14.0	12.0	9.5		6
7	22.0	22.0	20.2	18.3	14.9	14.0	11.8	9.5	7.7	7
8		18.4	18.8	17.6	13.6	14.0	10.8	9.5	7.7	8
9		15.4	17.1	15.3	12.7	13.2	9.9	9.5	7.7	9
10		12.8	15.1	13.2	11.7	12.1	9.1	9.2	7.7	10
12		8.9	11.1	9.9	10.0	10.0	7.7	8.0	7.2	12
14		6.4	8.5	7.5	8.6	8.0	6.6	6.9	6.5	14
16				5.6	7.3	6.3	5.7	5.9	5.8	16
18				4.3	5.9	4.8	5.1	5.1	5.1	18
20				3.4	4.8	3.7	4.5	4.3	4.3	20
22						3.0	4.1	3.4	3.4	22
24						2.3	3.5	2.6	2.6	24
26						1.8	3.0	2.0	2.0	26
28								1.4	1.4	28
30								1.0	1.0	30
32								0.7	0.7	32

I	0	90	0	90	0	90	0	90	100	I
II-III-IV	0	0	30	30	60	60	90	90	100	II-III-IV

TABLA DE CARGAS

AT504000400

LIFTING CAPACITIES / FORCES DE LEVAGE / TRAGLASTEN

04011-04020

CONTRAPESO / COUNTERWEIGHT / CONTREPOIDS / BALLAST

7 t

PLUMA PRINCIPAL+PLUMÍN DE CELOSIA: GRUA SOBRE ESTABILIZADORES TOTALMENTE EXTENDIDOS. ZONA DE TRABAJO 360°
 MAIN BOOM+LATTICE JIB: CRANE ON FULLY EXTENDED OUTRIGGERS. ROTATION 360°
 FLÈCHE PRINCIPALE+FLÈCHETTE TREILLIS: GRUE SUR STABILISATEURS EN EXTENSION TOTALE. ROTATION 360°
 TELESKOP-AUSLEGER+GITTERSPITZE: ARBEITSZUSTAND: ABGESTÜTZT (VOLLE STÜTZBASIS). ARBEITSBEREICH: 360°

RADIO RADIUS PORTÉE AUSLADUNG m	75%												RADIO RADIUS PORTÉE AUSLADUNG m
	LONGITUD DE PLUMA+PLUMIN MAIN BOOM+JIB LENGTH LONGUEUR DE FLÈCHE+FLÈCHETTE TELESKOP-AUSLEGER- UND SPITZENLÄNGEN												
	34.2 m + 9.3 m				37.1 m + 9.3 m				40.1 m + 9.3 m				
	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	
7	5.0												7
8	5.0				4.1								8
9	4.9	4.5			4.1				3.1				9
10	4.8	4.5	4.3		4.1	3.7			3.1	3.1			10
12	4.7	4.3	4.1	3.2	4.0	3.6	3.4		3.1	3.1	2.9		12
14	4.4	4.1	3.9	3.1	3.9	3.5	3.3	2.8	3.1	3.1	2.8	2.4	14
16	4.2	3.9	3.6	3.0	3.8	3.3	3.1	2.7	3.0	3.0	2.7	2.3	16
18	4.0	3.7	3.3	2.9	3.6	3.1	2.8	2.6	3.0	2.9	2.6	2.2	18
20	3.7	3.4	3.0	2.8	3.3	2.9	2.6	2.4	2.9	2.7	2.4	2.1	20
22	3.0	3.0	2.6	2.5	2.9	2.6	2.4	2.1	2.7	2.5	2.2	1.9	22
24	2.4	2.5	2.3	2.2	2.4	2.3	2.1	1.8	2.3	2.2	1.9	1.6	24
26	1.8	1.9	1.9	1.9	1.8	1.9	1.8	1.6	1.8	1.8	1.6	1.4	26
28	1.4	1.5	1.5		1.4	1.5	1.4	1.4	1.4	1.4	1.3	1.2	28
30	1.0	1.1	1.1		1.0	1.1	1.1		1.0	1.1	1.1	1.0	30
32	0.7	0.8	0.8		0.7	0.8	0.8		0.7	0.8	0.9		32
34	0.5	0.6			0.5	0.6	0.6				0.6		34

RADIO RADIUS PORTÉE AUSLADUNG m	85%												RADIO RADIUS PORTÉE AUSLADUNG m
	LONGITUD DE PLUMA+PLUMIN MAIN BOOM+JIB LENGTH LONGUEUR DE FLÈCHE+FLÈCHETTE TELESKOP-AUSLEGER- UND SPITZENLÄNGEN												
	34.2 m + 9.3 m				37.1 m + 9.3 m				40.1 m + 9.3 m				
	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	
7	5.0												7
8	5.0				4.1								8
9	5.0	5.0			4.1				3.1				9
10	5.0	5.0	4.7		4.1	4.1			3.1	3.1			10
12	5.0	4.7	4.5	3.5	4.1	4.0	3.7		3.1	3.1	3.1		12
14	4.8	4.5	4.3	3.4	4.1	3.9	3.6	3.1	3.1	3.1	3.1	2.6	14
16	4.6	4.3	4.0	3.3	4.1	3.6	3.4	3.0	3.1	3.1	3.0	2.5	16
18	4.4	4.1	3.6	3.2	4.0	3.4	3.1	2.9	3.1	3.1	2.9	2.4	18
20	4.1	3.7	3.3	3.1	3.6	3.2	2.9	2.6	3.1	3.0	2.6	2.3	20
22	3.3	3.3	2.9	2.8	3.2	2.9	2.6	2.3	3.0	2.8	2.4	2.1	22
24	2.6	2.8	2.5	2.4	2.6	2.5	2.3	2.0	2.5	2.4	2.1	1.8	24
26	2.0	2.1	2.1	2.1	2.0	2.1	2.0	1.8	2.0	2.0	1.8	1.5	26
28	1.5	1.7	1.7		1.5	1.7	1.5	1.5	1.5	1.5	1.4	1.3	28
30	1.1	1.2	1.2		1.1	1.2	1.2		1.1	1.2	1.2	1.1	30
32	0.8	0.9	0.9		0.8	0.9	0.9		0.8	0.9	1.0		32
34	0.6	0.7			0.6	0.7	0.7				0.7		34

I	80	80	80	80	90	90	90	90	100	100	100	100	I
II-III-IV	80	80	80	80	90	90	90	90	100	100	100	100	II-III-IV

TECHNICAL SPECIFICATIONS

Carrier chassis

Chassis:	LUNA, 6 x 6, box type, electric-welded, built in high strength steel with high elastic limit.
Outriggers:	4 support points with vertical and horizontal operation from crane cab and both sides of the chassis. Electric control. Electro-hydraulic operation.
Engine:	MERCEDES BENZ. OM441LA. 243 kW (330 CV) 2100 rpm.
Transmission:	ZF. Torque converter with lock up clutch. Automatic hydrokinetic gear box, 6 forward and 3 reverse speeds. Maximum speed: 66 km/h. Gradeability: 60%.
Axles:	All 3 steering-drive, double reduction in differential and hubs. Transversal lockout. Disconnectable front axles. The 2nd axle incorporates the transfer box with double range.
Suspension:	Hydraulic. Blockage on the axles. Independent control for each wheel. Automatic levelling.
Tyres:	6 + 1, size 14.00 R 25. Single mounting.
Steering:	Power assistance to the 1st and 2nd axles with double pump and electro-hydraulic operation on the 3rd axle. Reduced turning circle, and crabbing, controlled from both cabs. Auxiliary steering pump in constant mesh with the transfer box of 2nd axle.
Brakes:	Pneumatic on all wheels with double circuit. Parking brake by spring actuators on 2nd and 3rd axles. Electric brake TELMA mounted between 2nd and 3rd axles.
Cab:	2.5 m. width, 2 seats, manufactured in steel with chemical anticorrosive treatment. Non shattering glasses. Controls and indicators for crane motion.
Electric installation:	D.C. 24 V. 2 batteries of 12 V and 180 Ah each. Lights and light signalling according to EC norms.

Superstructure

Frame:	Thoroughly electric-welded, built in high strength steel.
Auxiliary engine:	MERCEDES BENZ. OM904LA. 125 kW (170 CV)/2500 rpm.
Hydraulic system:	1 triple constant flow pump and 1 variable flow pump. All crane movements can be done simultaneously with either empty or half load, and 2 of them under full load.
Control system:	All crane movements can be carried out by means of 2 multidirectional levers selfcentering to neutral position.
Winch:	LUNA, driven by a variable hydraulic motor with an automatic freewheeled multidisc brake. maximal single line pull: 5800 kg to 75 m/min. Minimal single line pull: 3200 kg to 120 m/min. 16 mm rotation resistant wire rope. Length: 180 m.
Boom luffing:	1 single effect cylinder. From -3° to 82°. 40 sec.
Telescopic boom:	1 basic section and 4 telescopic ones by means of 2 cylinders and double rope systems. Fabricated in high elastic limit steel. Length: 40.1 m. Telescoping speed: 0.3 m/sec.
Slew ring:	ROTHE-ERDE, external rack. 360° Continuous rotation. From 0 to 1.7 rpm. through a hydraulic motor and gear reducer with dynamic and static brake. Free slewing available
Cab:	Manufactured in steel with chemical anticorrosive treatment. Non shattering glasses. Independent heating. Controls and indicators for crane motion and operation.
Electric installation:	D.C. 24 V. 2 batteries of 12 V and 180 Ah each.
Safety equipment:	Lowering limit switch system. Electronic load indicator on hook. Safe load indicator with anti-two block system. All circuits are fitted with safety valves and piping anti-breakage valves.

Optionals

Jib:	Telescopic lattice jib 9.3 and 16.0 m long. Swingaway on boom side. 0°, 15°, 30° and 45° offset. Hook: up to 12 t.
Auxiliary winch:	Identical characteristics to main one.
Recovery winch:	4500 kg line pull. Installed at the front of the superstructure. 16 mm diameter rotation resistant wire rope. Length: 50 m.