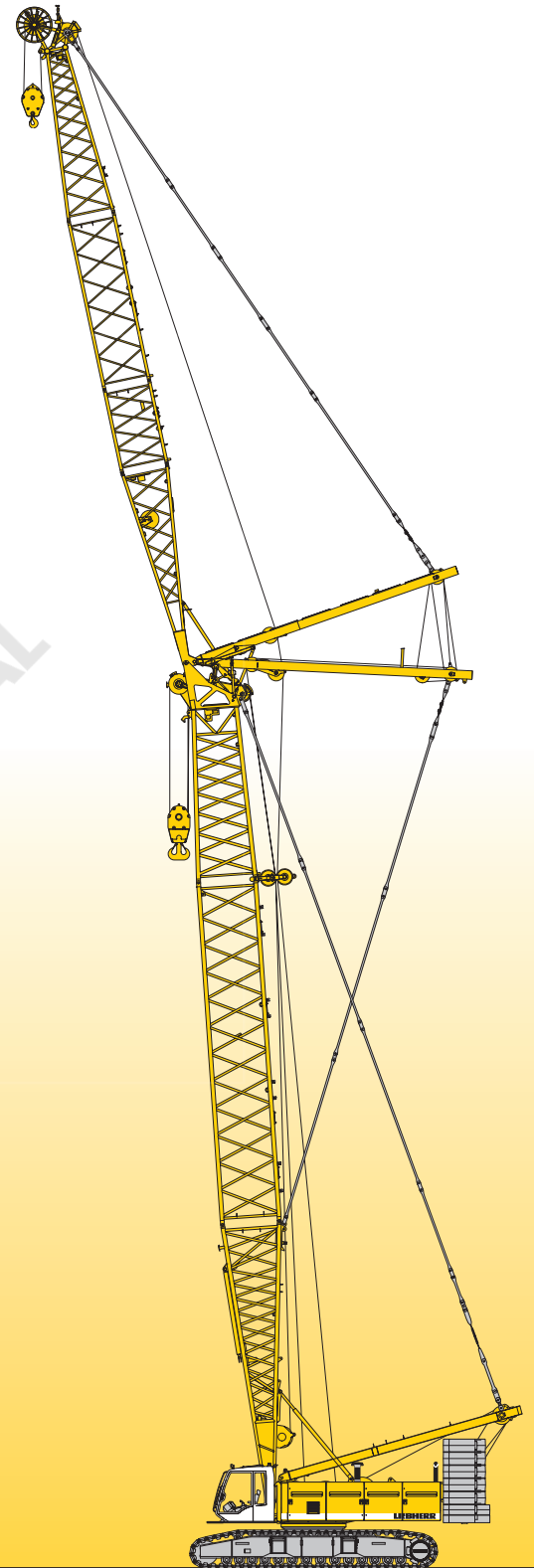


Technische Daten Raupenkran

LR 1200

Litronic®

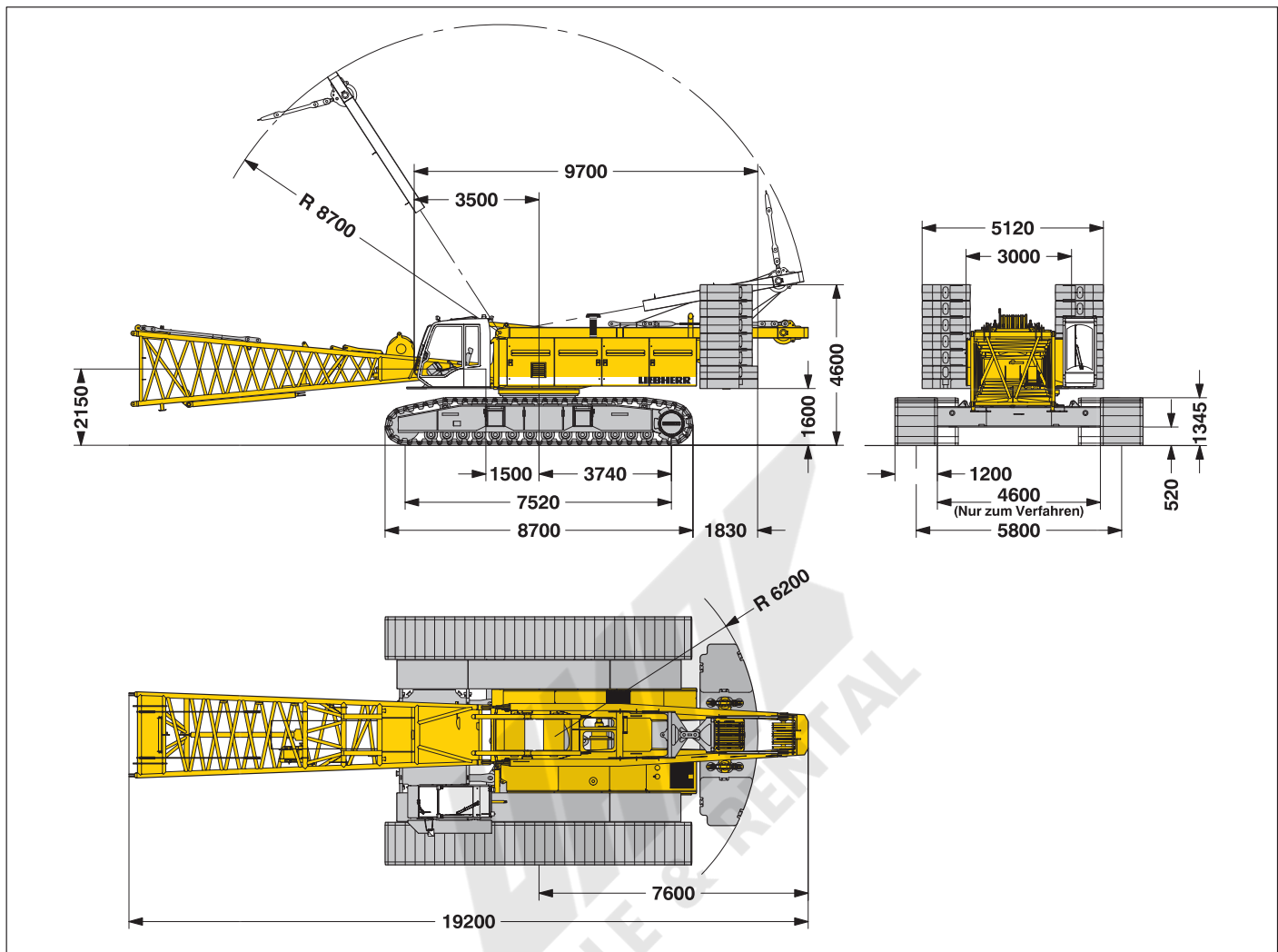
WMAK
SALE & RENTAL



LIEBHERR

Abmessungen

Grundgerät mit Unterwagen



Dienstgewicht

Die Dienstgewichte beinhalten das Grundgerät mit Plattenlaufwerk, 2 Hauptwinden 120 kN inklusive Beseilung (260 m und 495 m) und 20 m Hauptausleger, bestehend aus Aufrichtmast, Auslegeranlenkstück (10 m), Auslegerkopf (7 m) und Auslegerzwischenstück (3 m), 81 t Grundballast, 36 t Zentralballast und 250 t Hakenflasche.

Gesamtgewicht _____ ca. 210,0 t

Bodenbelastung

Bodenbelastung _____ 1.16 kg/cm²

Arbeitsausrüstung

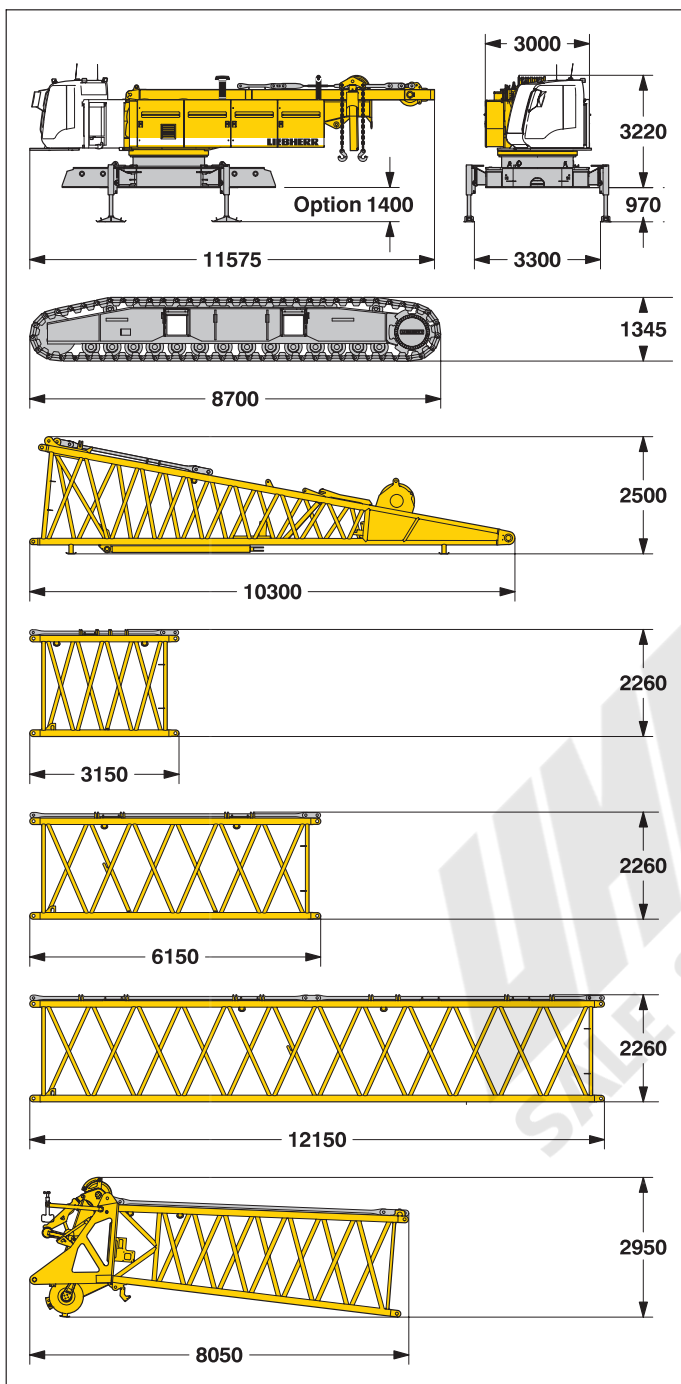
Hauptausleger (No. 2320.xx) max. Länge _____ 89 m
 Leichtausleger (No. 2320.xx und 1916.xx) _____ 117 m
 Verstellbarer Nadelausleger (No. 1916.xx) max. Länge _____ 95 m
 Max. Kombination _____ Hauptausleger 53 m
 Verstellbarer Nadelausleger 95 m
 Feststehender Nadelausleger (No. 1008.xx) _____ 11 m – 26 m
 Spitzenausleger 24 t (Optional 36 t)

Anmerkungen

1. Traglasten für Einsatz als Montagekran (entspricht Kraneinstufung nach F.E.M. 1.001, Krangruppe A1).
2. Die Maschine steht auf tragfähigem, waagrechtem Untergrund.
3. Das Gewicht des Lastaufnahmemittels (Hakenflasche, Hubseile, Schäkel usw.) ist von der Traglast abzuziehen.
4. Zusatzlasten am Ausleger (wie z.B. Podeste) sind von den Traglasten abzuziehen.
5. Die maximal zulässige Windgeschwindigkeit entnehmen Sie bitte dem Traglastentabellenbuch.
6. Die Ausladungen sind von Mitte Drehkranz und unter Last angegeben.
7. Die Traglasten sind in Tonnen angegeben und rundum schwenkbar.
8. Desweiteren sind für die Berechnung der Standsicherheit die DIN 15019 / Teil 2 / Tab. 1 und ISO 4305 Tab. 1 + 2, als auch die Kippwinkelmethode 4° zugrunde gelegt.
9. Für die Stahltragwerke gilt F.E.M. 1.001 – 1998 (EN 13001–2 / 2004).

Transportmaße und Gewichte

Grundgerät und Hauptausleger (No. 2320.xx)



*) Inklusive Haltestangen

Grundgerät

mit Aufrichtmast, 2x 120 kN Kranwinden inklusive Beseilung (max. 755 m), ohne Laufwerke, Auslegeranlenkstück, Grundballast und Zentralballast

Breite	mm	3000
Gewicht	kg	40800

Laufwerke

2x

Flachbodenplatten	mm	1200
Breite	mm	1200
Gewicht	kg	19800

Anlenkstück (No. 2320.25)

Breite	mm	2420
Gewicht*	kg	5300

Zwischenstück (No. 2320.23)

3 m

Breite	mm	2420
Gewicht*	kg	920

Zwischenstück (No. 2320.20)

6 m

Breite	mm	2420
Gewicht*	kg	1285

Zwischenstück (No. 2320.20)

12 m

Breite	mm	2420
Gewicht*	kg	2360

Auslegerkopf (No. 2320.23)

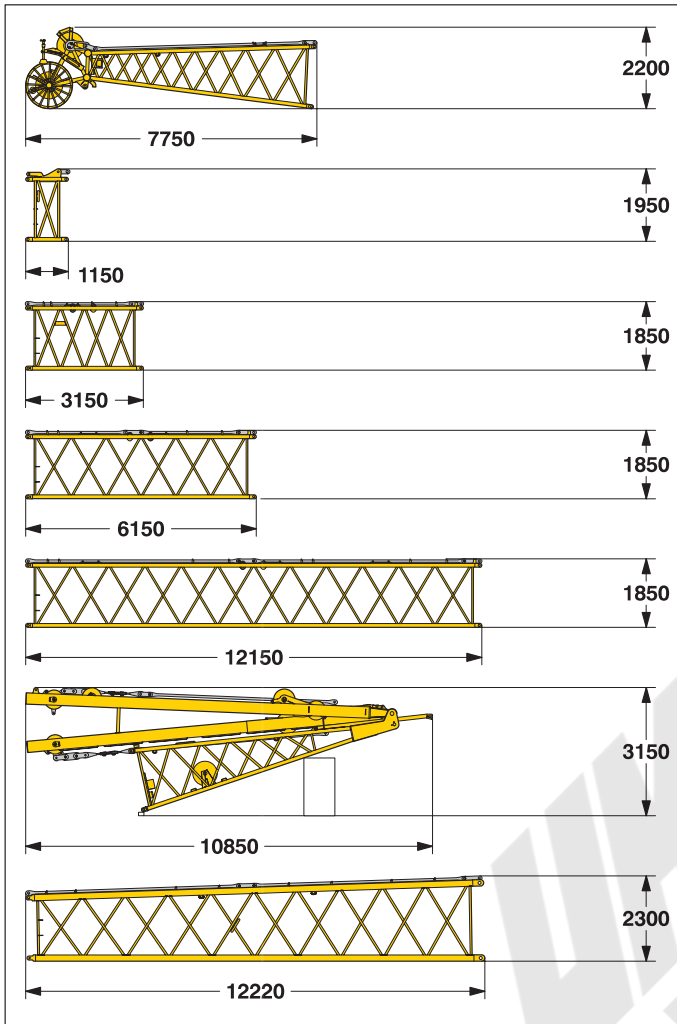
Breite	mm	2420
Gewicht*	kg	4300

Hauptausleger-Transportalternative

No. 2320.xx/1916.xxx	m	12 / 12	6 / 6	3 / 3
Länge	mm	12250	6250	3250
Gewicht*	kg	3610	1975	1470

Transportmaße und Gewichte

Verstellbarer Nadelausleger (No. 1916.xx)



Nadelkopf (No. 1916.21)

Breite	mm	2050
Gewicht*	kg	1550

Leichtausleger-Z-Stück (No. 1916.22) 1 m

Breite	mm	2050
Gewicht*	kg	457

Zwischenstück (No. 1916.18) 3 m

Breite	mm	2050
Gewicht*	kg	550

Zwischenstück (No. 1916.18) 6 m

Breite	mm	2050
Gewicht*	kg	690

Zwischenstück (No. 1916.18) 12 m

Breite	mm	2050
Gewicht*	kg	1250

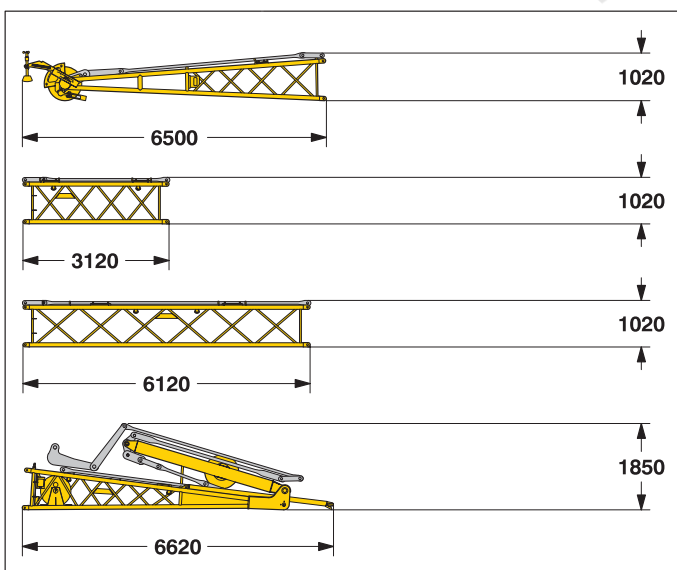
Anlenkstück mit A-Böcken (No. 1916.22)

Breite	mm	2050
Gewicht*	kg	6400

Leichtausleger-Reduzierstück (No. 2320/1916.22) 12 m

Breite	mm	2420
Gewicht*	kg	2635

Feststehender Nadelausleger (No. 1008.xx)



Nadelkopf (No. 1008.20)

Breite	mm	1140
Gewicht*	kg	935

Zwischenstück (No. 1008.17) 3 m

Breite	mm	1100
Gewicht*	kg	300

Zwischenstück (No. 1008.17) 6 m

Breite	mm	1100
Gewicht*	kg	460

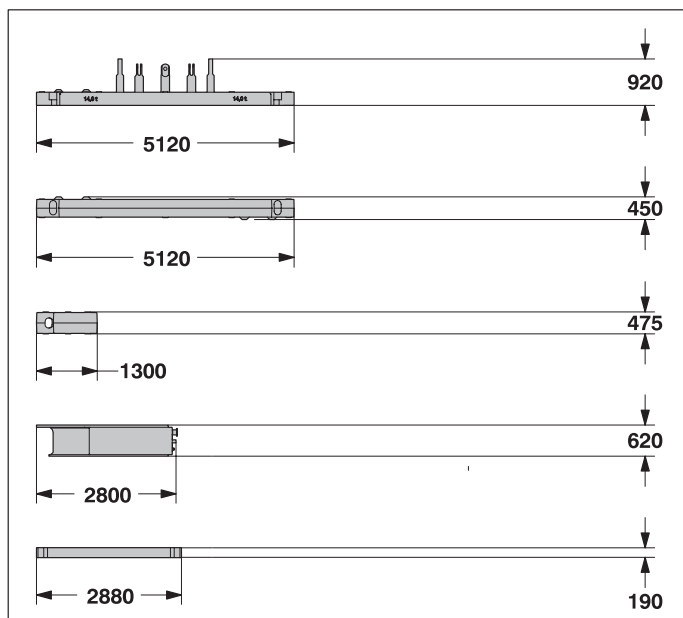
Anlenkstück mit A-Bock (No. 1008.20)

Breite	mm	1500
Gewicht*	kg	1950

*) Inklusive Haltestangen

Transportmaße und Gewichte

Ballast



Ballastplatte

1x

Breite	mm	1660
Gewicht	kg	14500

Ballastplatte

1x

Breite	mm	1660
Gewicht	kg	16300

Ballastplatte

10x

Breite	mm	1360
Gewicht	kg	5100

Zentralballastplatte

2x

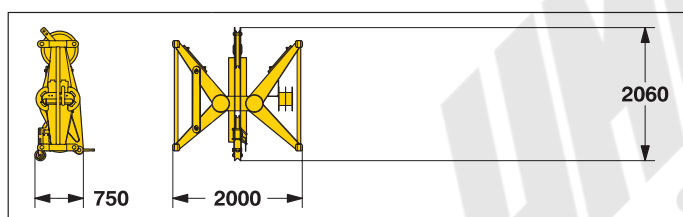
Breite	mm	3340
Gewicht	kg	9800

Zentralballastplatte

2x

Breite	mm	2050
Gewicht	kg	8300

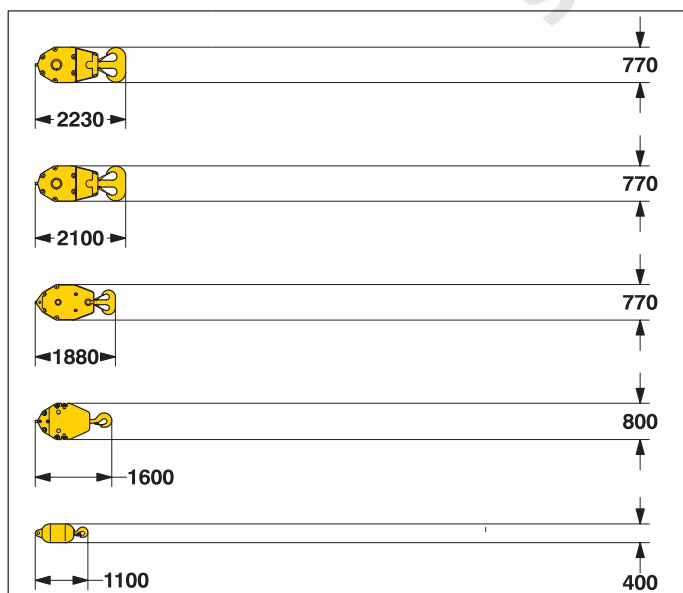
Mid fall (optional)



Mid fall Zwischenstück (No. 1916.xx) 0.5 m

Breite	mm	750
Gewicht	kg	715

Haken



250 t Hakenflasche - 11 Rollen

Breite	mm	1030 — 1250
Gewicht	kg	2300 — 3200

160 t Hakenflasche - 7 Rollen

Breite	mm	640 — 760 — 880
Gewicht	kg	1500 — 2250 — 3000

100 t Hakenflasche - 5 Rollen

Breite	mm	540 — 670 — 770
Gewicht	kg	1300 — 1800 — 2300

40 t Hakenflasche - 1 Rolle

Breite	mm	300 — 400 — 500
Gewicht	kg	700 — 1100 — 1500

12.5 t Einzelhaken

Breite	mm	400
Gewicht	kg	600

Technische Beschreibung



Motor

Leistung nach ISO 9249, 270 kW (362 PS) bei 2000 U/min
Modell _____ Liebherr D 936 L A6
Kraftstofftank _____ 800 l Tankinhalt mit kontinuierlicher
Niveauanzeige und Reserveangabe
Der Dieselmotor entspricht der Abgaszertifizierung für mobile Maschinen
nach EPA/CARB Tier 3 und 97/68 EG Stufe III.



Hydraulikanlage

Eine doppelte Verstellpumpe versorgt die Hydraulikanlage im offenen
Kreislauf und ermöglicht das gleichzeitige Fahren aller Bewegungen. Um
hydraulische Druckspitzen abzufangen wurde eine automatisch arbeitende
Druckabschneidung integriert. Alle Filter werden elektronisch überwacht.
Die Verwendung synthetischer, umweltfreundlicher Öle ist möglich.
Arbeitsdruck _____ max. 350 bar
Hydrauliktankinhalt _____ 650 l



Nadelausleger-Verstellwinde

Seilzug _____ max. 105 kN
Seildurchmesser _____ 20 mm
Verstellung Nadelausleger von 15° bis 78° in 51 sec.



Hauptausleger-Verstellwinde

Seilzug _____ 217 kN
Seildurchmesser _____ 24 mm
Verstellung Hauptausleger von 15° bis 86° in 130 sec.



Schwenkwerk

Rollendrehkranz mit außenliegender Verzahnung, Schwenkwerk mit
Axialkolbenmotor, hydraulisch lüftbare Lamellenbremse, Planeten-
getriebe und Drehwerksritzel.
Das Schwenkwerk kann sowohl mit Geschwindigkeitsvorwahl wie auch im
Freilauf betrieben werden.
Bei der Geschwindigkeitsvorwahl schließt eine Lamellenbremse
(Stillstandsbremse), wenn keine Drehbewegung vorhanden ist.
Drehwerksgeschwindigkeit 0 – 3 U/min stufenlos regelbar.



Windwerke

Seilzug in der 1. Lage _____ max. 175 kN
Seilzug in der 7. Lage _____ 120 kN
Seildurchmesser _____ 26 mm
Seiltrommeldurchmesser _____ 580 mm
Seilgeschwindigkeit m/min _____ 0 – 136
Seilkapazität in 7 Lagen _____ 489 m
Die Winden zeichnen sich durch ihre kompakte, montagefreundliche
Bauweise aus.

In Öl laufende, innenliegende, wartungsarme Planetengetriebe.
Lastabstützung über Hydraulikanlage, zusätzliche Sicherheit durch feder-
belastete Lamellenbremse (Stillstandsbremse).

Für die Hauptwinden werden hochdruckgeregelte Verstellölmotoren
verwendet. Diese erlauben schon im Teillastbereich die volle Ausnutzung der
installierten Motorleistung durch Geschwindigkeitsanpassung an den
jeweiligen Seilzug.

Auf Wunsch – Winde mit Freifalleinrichtung:

Bei der Freifalleinrichtung wird sowohl die Kupplungs- als auch die
Bremsfunktion über die Arbeitsbremse realisiert. Diese Bremse ist eine
verschleißarme, wartungsfreie Lamellenbremse in kompakter Bauweise.



Fahrwerk

Fahrwerksantrieb mit Axialkolbenmotor, hydraulisch lüftbare, federbelastete
Lamellenbremse, Laufwerk mit hydraulischer Kettenspannung.
Flachbodenplatten _____ 1200 mm
Fahrgeschwindigkeit _____ 0 – 1.6 km/h



Steuerung

Die von Liebherr entwickelte und im eigenen Haus gefertigte Steuerung ist für
den harten Baustelleneinsatz und extreme Umweltbedingungen wie große
Temperaturschwankungen, starke Vibrationen und elektromagnetische
Interferenzen konzipiert.

Alle Betriebsdaten des Gerätes werden auf einem kontraststarken Bildschirm
angezeigt.

Standard-Betriebsinformationen erscheinen in Form von Symbolen,
Fehleranzeigen im Klartext auf dem Bildschirm (mehr als 15 Sprachen
verfügbar).

Eine elektrohydraulische, stufenlose Proportionalsteuerung ermöglicht das
Fahren aller Bewegungen gleichzeitig.

Die Bedienung erfolgt über 2 Einhebel-Kreuzschaltungen für "Winde I und
Einziehwerk" und für "Winde II und Drehwerk".

Auf Wunsch:

Doppel-T-Hebel für den gleichzeitigen Betrieb von Winde und verstellbarem
Nadelausleger.

Das Fahrwerk wird über zwei Fußpedale gesteuert und kann über zwei Hebel
in eine Hand-Fahrwerks-Steuerung umgewandelt werden.

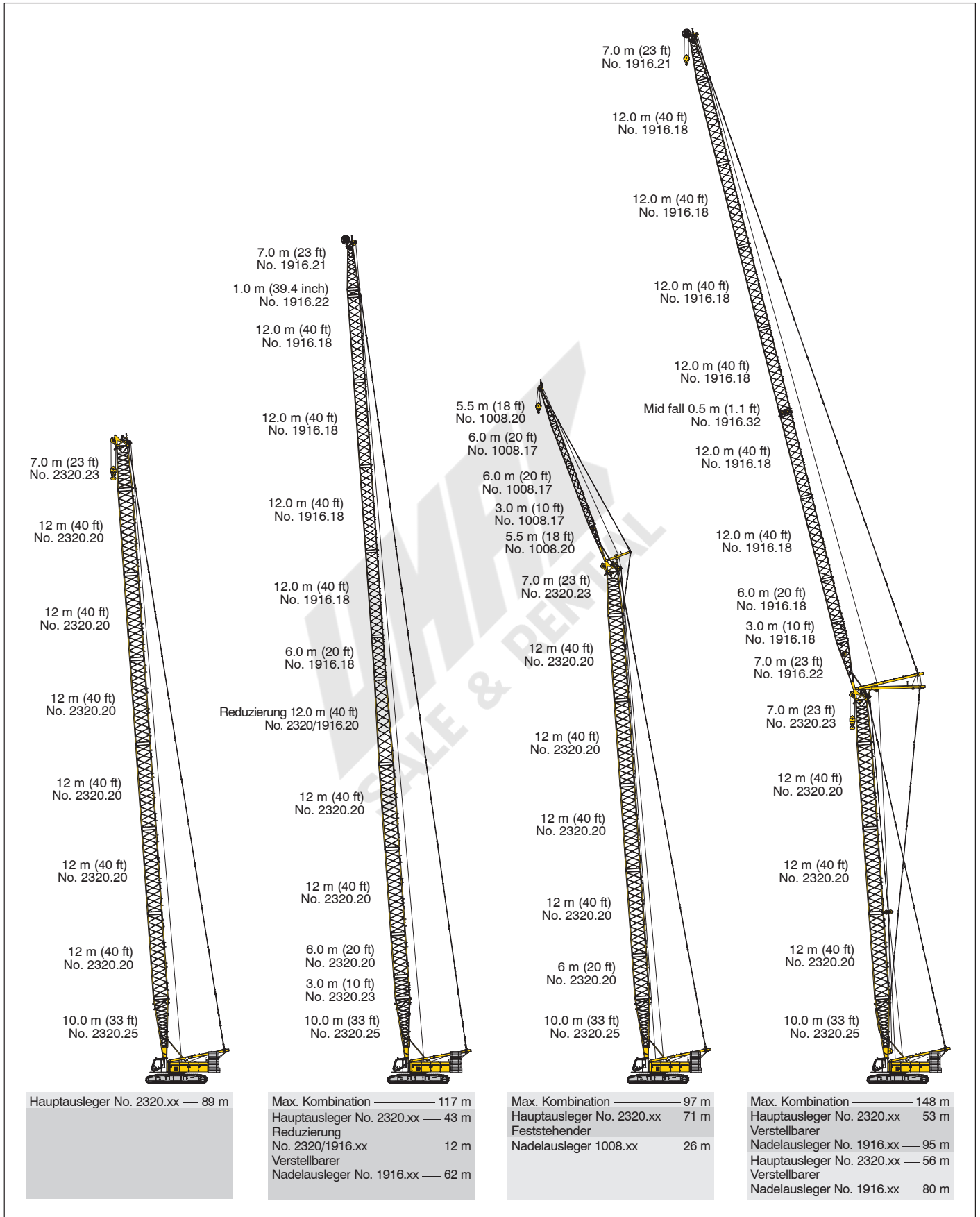
Fernsteuerung für die Heckballastmontage und für die Verbolzung des
Auslegeranlenkstückes mit dem Oberwagenstahlbau.



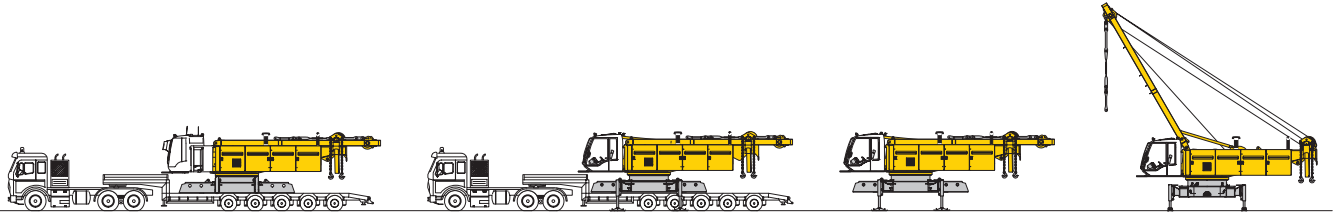
Schallemission

Die Schallemissionen entsprechen der Richtlinie 2000/14/EC über
Geräuschemissionen von zur Verwendung im Freien vorgesehenen Geräten
und Maschinen.

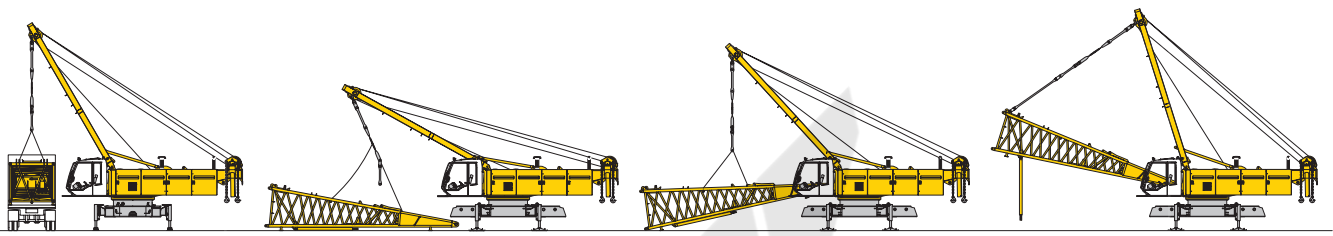
Auslegerkombinationen



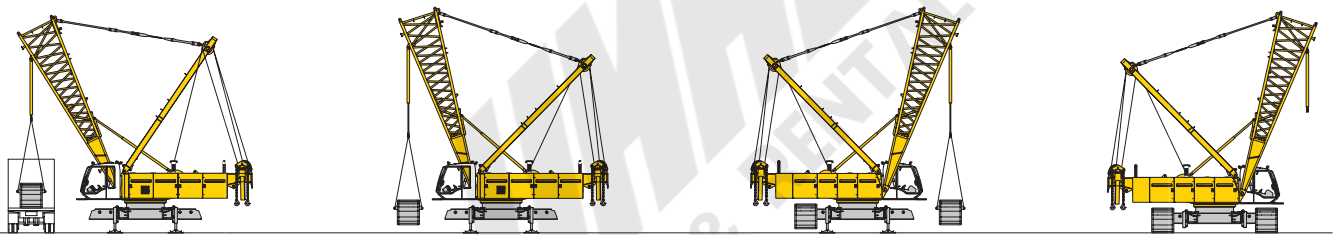
Selbstmontage-System



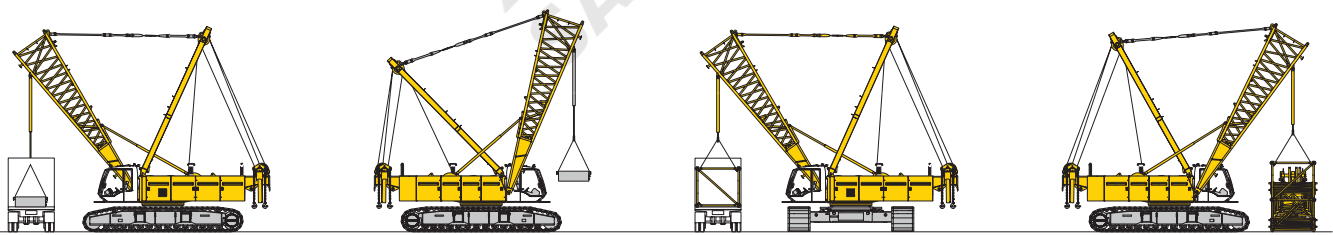
Entladung des Grundgerätes



Entladung und Anbau des Anlenkstücks

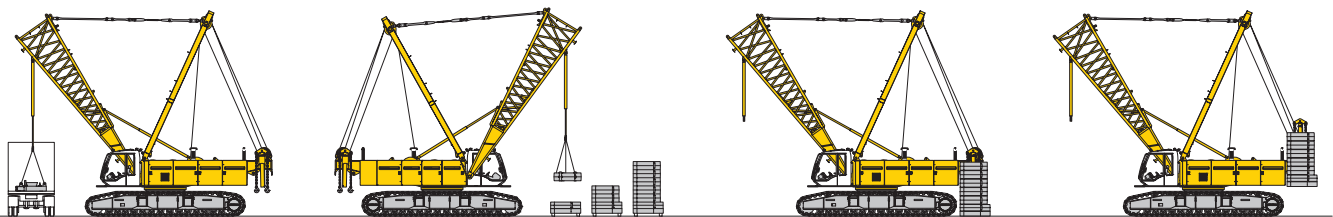


Entladung und Anbau der Laufwerke



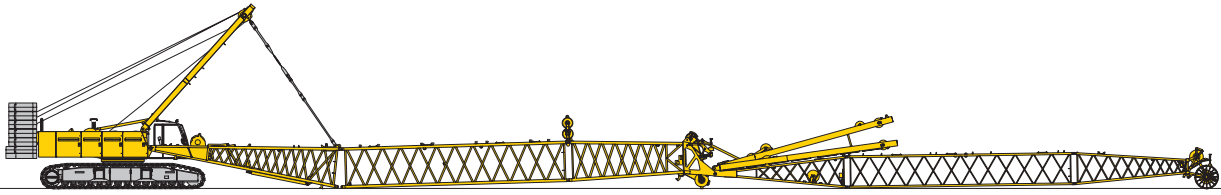
Entladung und Anbau des Zentralballastes

Entladung und Zusammenbau des Auslegers

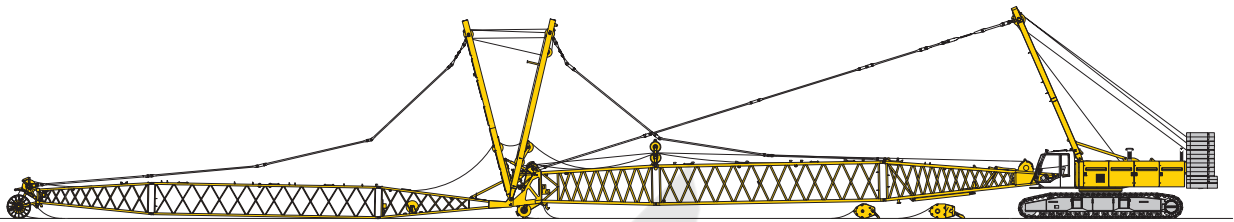


Entladung, Zusammen- und Anbau des Gegengewichtes

Ausleger aufrichten - Kran in Arbeitsposition



Anbau des Auslegers



Einziehen der Hub- und Nadelseile

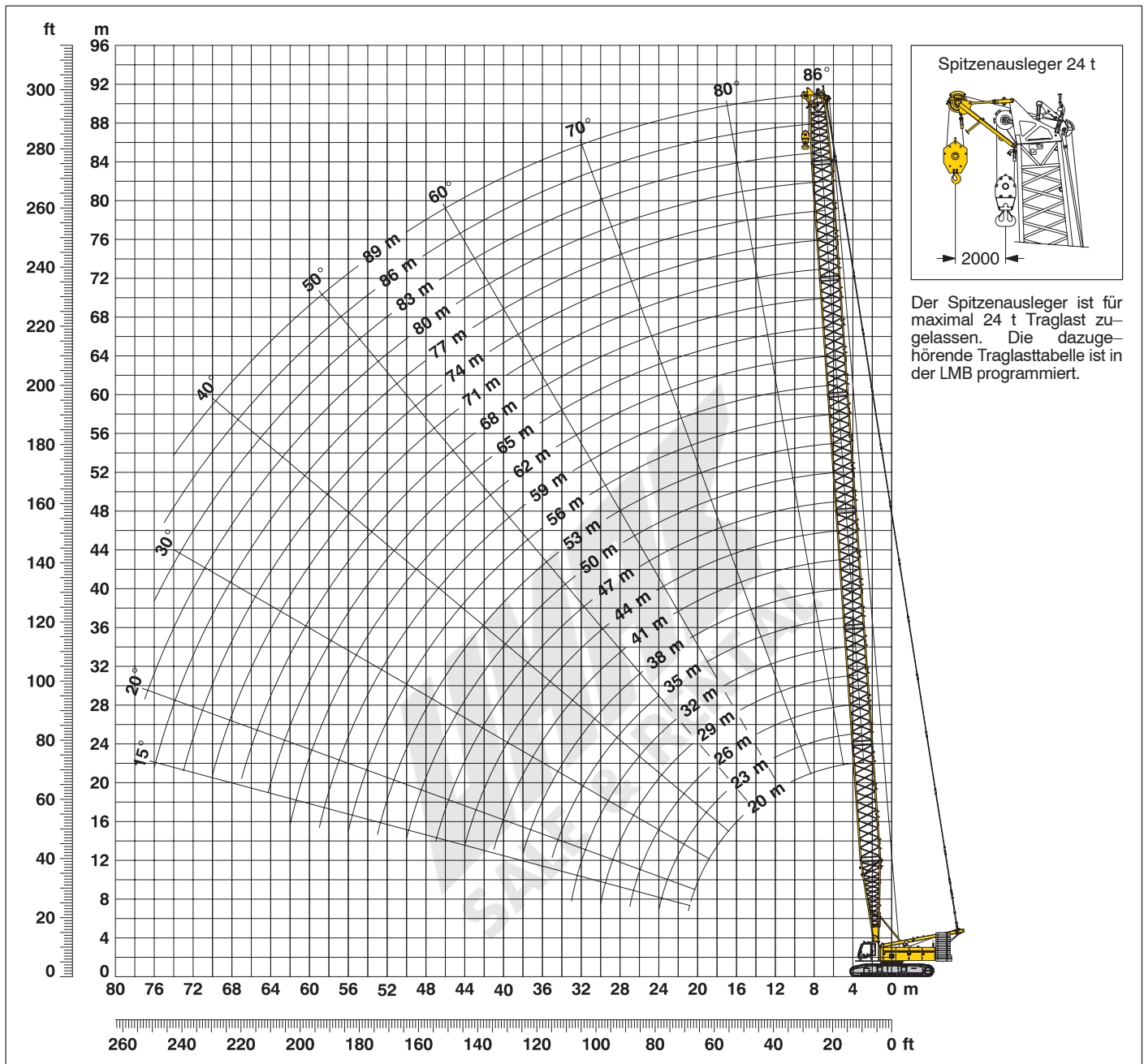


Haupt- und Nadelausleger anheben

Kran in Arbeitsposition

Hauptausleger (No. 2320.xx) 86° - 15°

81 t Ballast und 36 t Zentralballast



Auslegerzusammenbau (Tabelle 1 – No. 2320.xx)

Auslegerzusammenbau für Auslegerlängen von 20 m bis 89 m

Anlenkstück	Länge	Anzahl der Auslegerstücke																							
		20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89
Anlenkstück	10.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Z-Stück	3.0 m	1		1		1		1		1		1		1		1		1		1		1		1	
Z-Stück	6.0 m		1	1		1	1	1		1	1		1	1		1	1		1	1		1	1		1
Z-Stück	12.0 m				1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6
Auslegerkopf	7.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Auslegerlänge (m)		20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89

Traglasten – Hauptausleger (No. 2320.xx)

81 t Ballast und 36 t Zentralballast

Traglasten in t für Auslegerlängen von 20 m bis 89 m – mit 120 kN Winden

Radius (m)	Auslegerlänge (m)												
	20	26	32	38	44	50	56	62	68	74	80	86	89
6.2	t	t	t	t	t	90.6	t	t	t	t	t	t	t
7				129.1	106.8	89.2	79.4	63.5					
8			125.3	117.1	99.9	83.2	75.7	62.9	51.7	44.6			
9	119.2	116.7	110.3	103.8	88.0	77.8	71.6	59.8	50.0	44.2	37.0	30.0	26.4
10	107.3	104.1	97.8	91.6	84.4	72.6	68.1	57.2	47.9	42.6	36.0	29.8	26.4
12	86.8	84.7	80.5	76.7	73.1	65.0	63.4	53.2	43.7	40.1	33.3	27.8	24.8
14	69.9	69.7	67.7	65.0	62.2	54.5	57.1	50.3	40.4	37.6	31.2	26.1	22.8
16	58.2	58.2	58.2	56.2	53.9	51.1	49.7	45.5	37.9	35.0	29.4	24.4	21.3
18	49.6	49.6	49.6	49.3	46.3	45.6	43.8	42.1	33.3	33.5	28.0	23.4	20.1
20	42.9	43.1	43.0	42.8	42.2	40.6	39.0	37.5	31.7	31.7	26.4	22.6	19.1
26		30.0	30.1	29.9	29.6	29.3	28.8	27.7	26.6	25.5	22.3	19.9	16.5
32			22.4	22.3	22.1	21.7	21.4	21.1	20.4	19.5	18.7	17.4	14.9
38				17.2	17.1	16.7	16.4	16.1	15.7	15.3	14.5	13.7	13.4
44					13.4	13.2	12.9	12.5	12.2	11.8	11.3	10.7	10.4
50						10.5	10.3	9.9	9.6	9.2	8.8	8.3	8.0
55							8.5	8.1	7.8	7.4	7.1	6.6	6.4
60								6.7	6.3	6.0	5.6	5.2	5.0
65									5.1	4.7	4.4	4.0	3.8
70										3.7	3.3	2.9	2.8
75											2.4	2.0	

Traglasten – Hauptausleger (No. 2320.xx)

70.8 t Ballast und 36 t Zentralballast

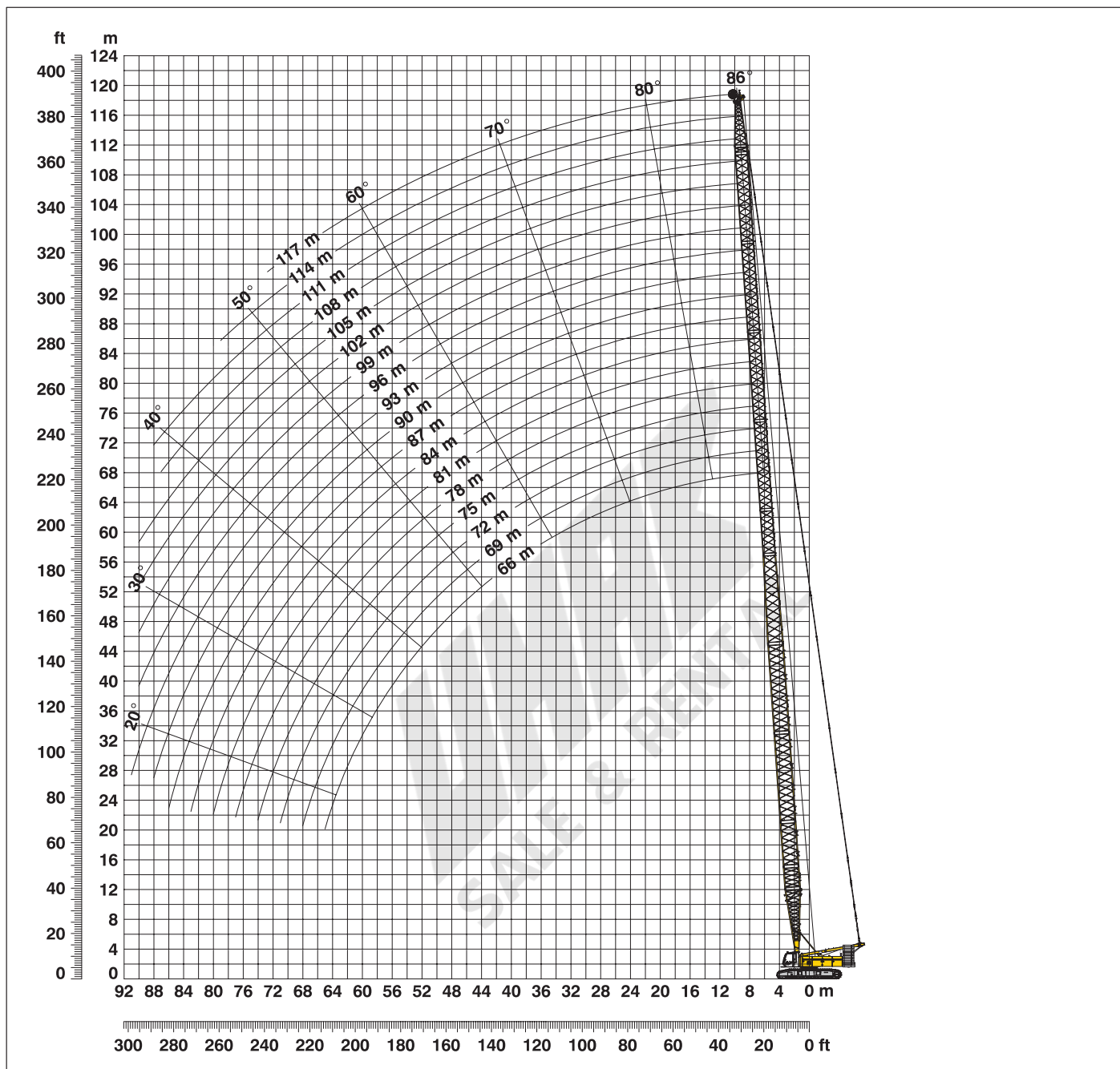
Traglasten in t für Auslegerlängen von 20 m bis 86 m – mit 120 kN Winden

Radius (m)	Auslegerlänge (m)											
	20	26	32	38	44	50	56	62	68	74	80	86
4.1	220.0	t	t	t	t	t	t	t	t	t	t	t
5	216.5	162.7	153.5									
6	190.7	158.9	150.6	139.9	113.7							
7	150.8	143.7	132.7	123.1	106.8	89.2	79.4	63.5				
8	132.7	122.3	114.7	107.3	99.9	83.2	75.7	62.9	51.7	44.6		
9	111.8	107.5	100.9	94.9	88.0	77.8	71.6	59.8	50.0	44.2	37.0	30.0
10	101.3	95.2	89.9	84.9	80.4	72.6	68.1	57.2	47.9	42.6	36.0	29.8
12	79.3	77.3	73.5	69.9	66.7	63.5	60.6	53.2	43.7	40.1	33.3	27.8
14	63.7	63.8	62.0	59.2	56.6	54.2	51.9	49.6	40.4	37.6	31.2	26.1
16	53.0	53.0	53.0	51.1	49.0	47.0	45.1	43.2	37.9	35.0	29.4	24.4
18	45.1	45.1	45.1	44.8	43.0	41.3	39.7	38.0	33.3	33.5	28.0	23.4
20	38.9	39.1	39.0	38.8	38.2	36.7	35.3	33.8	31.7	31.2	26.4	22.6
26		27.1	27.2	26.9	26.7	26.4	25.9	24.8	23.8	22.7	21.7	19.9
32			20.1	20.0	19.7	19.4	19.1	18.7	18.1	17.2	16.4	15.5
38				15.3	15.1	14.8	14.5	14.1	13.8	13.3	12.5	11.8
44					11.8	11.6	11.3	10.9	10.6	10.2	9.7	9.0
50						9.1	8.8	8.5	8.1	7.7	7.4	6.8
55							7.2	6.8	6.5	6.1	5.8	5.3
60								5.5	5.2	4.8	4.4	4.0
65									4.0	3.6	3.3	2.9
70										2.7	2.3	

Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Leichtausleger (No. 2320 / 1916.xx) **66 m - 117 m**

Arbeitsbereich **86° - 15°**



Leichtausleger-Zusammenbau mit 43 m Hauptausleger (No. 2320.xx / No. 1916.xx)

Ausleger-Zusammenbau für Leichtauslegerlängen von 66 m bis 117 m

Anlenkstück	Länge	Anzahl der Haupt- und Nadelauslegerstücke																	
		66	69	72	75	78	81	84	87	90	93	96	99	102	105	108	111	114	117
Anlenkstück	10.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Z-Stück	3.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Z-Stück	6.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Z-Stück	12.0 m	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Reduzierstück	12.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nadel-Z-Stück	3.0 m	1		1		1		1		1		1		1		1		1	
Nadel-Z-Stück	6.0 m		1	1			1	1			1	1			1	1			1
Nadel-Z-Stück	12.0 m				1	1	1	1	2	2	2	2	3	3	3	3	4	4	4
Nadelkopf	8.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Max. Leichtauslegerlänge (m)		66	69	72	75	78	81	84	87	90	93	96	99	102	105	108	111	114	117

Traglasten - Leichtausleger (No. 2320 /1916.xx)

Hauptausleger 43 m

Traglasten in t 81 t Ballast und 36 t Zentralballast						
Radius (m)	Auslegerlänge (m)					
	66	75	90	99	108	117
6.7	54.3					
8	53.6	39.0				
9	52.5	38.2	24.5	17.4		
10	51.6	36.7	23.4	17.3	11.6	
12	48.0	33.6	21.6	16.0	11.3	7.5
14	43.7	31.3	20.0	14.9	10.6	7.1
16	39.3	29.0	18.5	13.8	9.9	6.8
18	33.7	27.3	17.3	12.9	9.2	6.5
20	31.1	25.6	16.1	11.4	8.6	6.2
22	28.9	24.1	15.2	10.6	8.0	5.9
24	26.2	22.6	14.3	10.1	7.5	5.5
26	24.0	21.1	13.6	9.5	7.1	5.3
28	22.5	19.8	13.0	9.0	6.7	5.1
30	20.6	18.7	12.5	8.7	6.4	4.8
32	19.0	17.6	11.4	8.3	6.2	4.6
34	17.7	16.3	11.0	7.9	6.0	4.4
36	16.6	15.2	10.7	7.6	5.7	4.3
38	15.6	14.4	10.3	7.3	5.5	4.1
40	14.7	13.6	9.9	7.1	5.3	3.9
42	14.0	12.8	9.6	6.8	5.2	3.8
44	13.3	12.1	9.2	6.5	5.0	3.6
46	12.5	11.0	9.0	6.3	4.8	3.5
48	11.2	10.7	8.7	6.1	4.7	3.4
50	10.9	10.2	8.2	6.0	4.5	3.3
55	9.5	8.9	7.4	5.4	4.2	3.0
60	8.1	7.8	6.6	4.9	3.8	2.8
65	6.9	6.7	5.7	4.5	3.4	2.4
70		5.8	5.1	4.0	3.1	2.1
75			4.3	3.6	2.8	
80			3.7	3.2	2.6	
85			3.2	2.8	2.3	
90				2.4		

Hauptausleger 55 m

Traglasten in t 81 t Ballast und 36 t Zentralballast						
Radius (m)	Auslegerlänge (m)					
	78	90	96	102	108	114
7.5	40.0					
9	39.3	27.2	22.6			
10	38.1	26.6	22.5	18.9	12.1	
12	35.1	24.8	21.2	17.9	12.1	10.7
14	32.6	22.6	20.0	16.7	12.1	10.1
16	30.5	21.3	18.7	15.6	11.9	9.7
18	28.6	20.0	17.8	14.6	11.2	9.0
20	27.0	18.9	16.7	13.8	10.7	8.5
22	25.1	18.0	15.8	12.9	10.1	8.0
24	23.2	17.1	15.2	12.3	9.5	7.5
26	22.2	16.4	14.6	11.2	9.1	7.1
28	20.1	15.9	14.1	10.6	8.6	6.8
30	18.5	15.1	13.7	10.2	8.3	6.5
32	17.2	14.4	13.2	9.9	8.0	6.3
34	15.8	13.7	12.5	9.5	7.7	6.1
36	14.6	13.2	11.2	9.1	7.4	6.0
38	13.5	12.5	11.0	8.8	7.1	5.8
40	12.7	10.9	10.7	8.5	6.9	5.6
42	11.7	10.2	9.8	8.3	6.6	5.4
44	11.1	9.6	9.1	7.8	6.5	5.3
46	10.6	9.1	8.4	7.4	6.2	5.1
48	10.1	8.6	7.9	7.0	5.9	4.9
50	9.7	8.1	7.4	6.7	5.7	4.7
55	8.2	7.2	6.5	5.9	5.2	4.2
60	6.9	6.3	5.8	5.2	4.6	3.8
65	5.9	5.3	5.0	4.7	4.0	3.4
70	5.1	4.6	4.2	4.0	3.6	3.0
75	4.3	3.9	3.6	3.3	2.9	2.6
80		3.3	3.0	2.8	2.4	
85		2.8	2.5	2.3		
90			2.0			

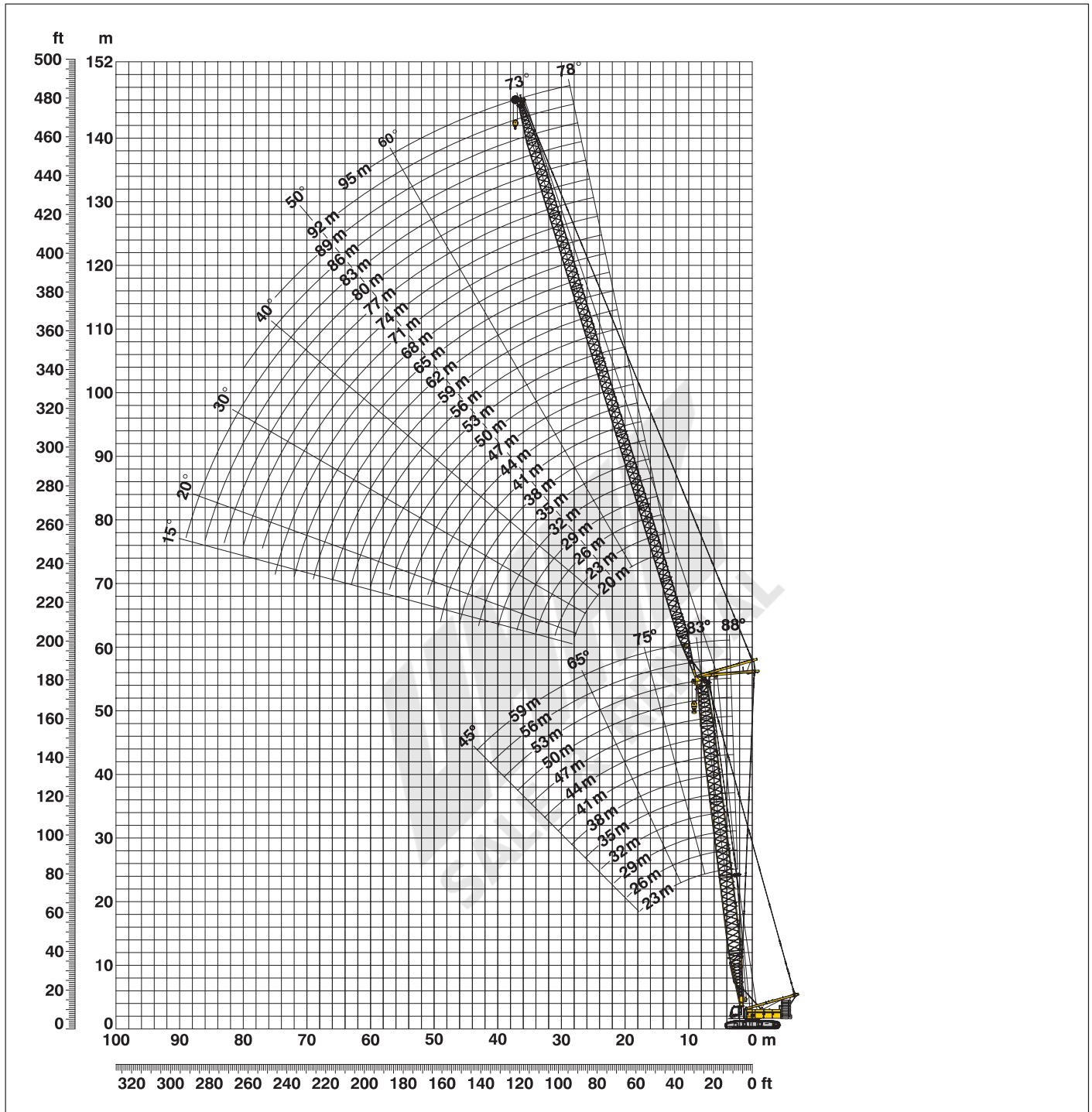
Oben angeführte Traglasttabellewerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellebuch.

Leichtausleger-Zusammenbau mit 55 m Hauptausleger (No. 2320.xx / No. 1916.xx)

Ausleger-Zusammenbau für Leichtauslegerlängen von 78 m bis 114 m														
	Länge	Anzahl der Haupt- und Nadelauslegerstücke												
		Anlenkstück	10.0 m	1	1	1	1	1	1	1	1	1	1	1
Z-Stück	3.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1
Z-Stück	6.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1
Z-Stück	12.0 m	3	3	3	3	3	3	3	3	3	3	3	3	3
Reduzierstück	12.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1
Nadel-Z-Stück	3.0 m	1		1		1		1		1		1		1
Nadel-Z-Stück	6.0 m		1	1			1	1			1	1		
Nadel-Z-Stück	12.0 m				1	1	1	1	2	2	2	2	3	3
Nadelkopf	8.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1
Max. Leichtauslegerlänge (m)		78	81	84	87	90	93	96	99	102	105	108	111	114

Verstellbarer Nadelausleger (No. 1916.xx) 78° - 15°

Hauptausleger 88° - 45°



Auslegerzusammenbau für Hauptauslegerlängen von 23 m bis 59 m – siehe Tabelle 1, Seite 10

Konfiguration mit verstellbarem Nadelausleger (20 m - 95 m)

	Länge	Anzahl der Nadelauslegerstücke																									
		20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95
Nadelanlenkstück	7.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nadel-Z-Stück	3.0 m					1				1				1				1				1				1	
Nadel-Z-Stück	6.0 m	1	1			1	1			1	1			1	1			1	1			1	1			1	1
Nadel-Z-Stück	12.0 m			1		1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
Nadelkopfstück	7.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nadellänge (m)		20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95

Traglasten - verstellb. Nadelausleger (No. 1916.xx)

Hauptausleger 88°

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
9	t	t	t	t	t	t	t	t
10	63.7							
13	44.1	40.8	36.0					
15	37.8	33.7	31.7	25.5				
17	33.2	30.9	27.8	23.3	18.2			
19	29.3	27.5	24.9	21.6	17.6	12.9		
22	25.2	23.4	20.7	18.7	16.0	12.4	7.7	
24		21.3	19.3	17.2	14.9	12.1	7.5	4.7
30		17.0	15.4	13.9	12.4	10.3	7.0	4.6
42			10.7	9.5	8.6	7.5	6.0	3.8
50				7.7	6.9	6.2	5.0	3.4
55					6.1	5.4	4.5	3.0
60					5.6	4.8	3.9	2.7
65						4.4	3.4	2.5
70						3.9	3.0	2.1
75							2.7	
80							2.3	

Hauptausleger 35 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
8.3	t	t	t	t	t	t	t	t
11	65.1							
13	45.7	41.7	32.7					
16	38.6	33.7	29.6	21.6				
18	33.7	31.6	27.0	20.9	15.5			
19	32.2	29.9	26.0	20.5	15.2	10.8		
22	28.5	25.8	21.9	18.8	14.7	10.5	6.7	
24		22.9	20.9	17.7	14.2	10.2	6.6	4.0
32			12.1	16.4	14.3	12.5	9.3	6.3
42				12.8	11.1	9.9	8.2	5.7
50					9.5	8.4	7.2	5.1
55					8.6	7.6	6.5	4.9
60						6.9	5.9	4.5
65							5.4	4.1
70							4.8	3.8
75								3.4
80								3.0

Hauptausleger 44 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
8.7	t	t	t	t	t	t	t	t
11	50.1							
13	44.5	38.0						
16	40.1	34.4	26.7					
18	33.6	30.1	24.5	18.4				
20	31.3	27.9	22.3	17.6	13.3			
22	28.5	25.4	20.9	16.6	13.1	9.4		
26	26.2	22.9	19.4	15.6	12.7	9.2	5.8	
32		20.3	17.3	14.2	11.3	8.8	5.7	3.4
44		17.0	15.0	12.7	10.3	8.2	5.7	3.4
50			11.3	9.7	8.5	6.9	5.0	3.1
55				8.6	7.3	6.3	4.6	2.9
60				7.6	6.6	5.7	4.3	2.6
65					6.0	5.2	4.0	2.3
70						4.7	3.5	2.2
80						4.2	3.2	2.5

Hauptausleger 53 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
9	t	t	t	t	t	t	t	t
11	39.3							
14	35.9	29.9						
16	31.1	26.5	21.1					
18	28.4	24.5	19.6	15.0				
20	26.3	22.2	18.2	14.4	11.1			
24	24.2	20.7	17.0	13.6	10.8	7.8		
26	12.1	18.2	15.0	12.2	9.7	7.5	4.9	
32		17.2	14.2	11.1	9.2	7.3	4.8	2.8
44			15.4	12.7	9.9	8.3	6.6	4.7
50				10.1	8.0	6.7	5.4	4.0
55					7.3	6.1	5.0	3.6
60					6.6	5.7	4.6	3.3
65						5.2	4.2	3.0
70							3.9	2.7
75							3.5	2.4

Hauptausleger 56 m

Radius (m)	Nadellänge (m)						
	20	29	35	41	53	62	80
9.1	t	t	t	t	t	t	t
11	36.0						
13	33.0	27.7					
14	30.0	25.9	22.9				
16	28.8	24.8	22.0	19.7			
18	26.4	22.6	20.3	18.3	14.0		
20	24.5	20.9	18.9	17.0	13.5	10.3	
22	22.1	19.4	17.5	16.0	12.8	10.0	7.5
24	20.9	18.0	16.5	14.8	11.3	9.4	7.4
32	12.1	17.1	15.5	14.0	10.9	8.9	7.2
38		14.6	13.1	11.3	9.2	7.5	6.5
44			11.6	10.5	8.2	6.7	5.9
55				9.6	7.4	6.0	5.4
60					6.2	5.2	4.5
70						4.8	4.1
80							3.4

Hauptausleger 59 m

Radius (m)	Nadellänge (m)					
	20	29	35	41	53	62
9.2	t	t	t	t	t	t
12	33.1					
13	29.6	24.9				
14	28.1	24.0	21.2			
16	26.9	22.7	20.4	18.2		
18	24.8	21.0	18.9	17.0	13.0	
19	22.7	19.4	17.6	15.7	12.5	9.6
20	21.8	18.8	16.9	15.3	12.2	9.6
22	21.0	18.0	16.3	14.8	11.4	9.3
24	19.7	16.7	15.3	13.8	10.6	8.8
32	12.1	15.8	14.4	13.1	10.0	8.3
38		13.7	12.2	10.7	8.5	7.0
44			11.0	9.7	7.5	6.2
50				8.9	6.8	5.4
55					6.3	5.0
60					5.9	4.7

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1916.xx) 81 t Ballast + 36 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1916.xx)

Hauptausleger 83°

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
11.7	t	t	t	t	t	t	t	t
15	57.4							
18	43.5	41.0						
22	35.0	32.5	29.5					
24	27.4	25.9	22.9	21.2				
28	24.9	23.4	21.1	19.2	15.9			
32		19.5	18.0	16.3	14.6	11.0		
34		17.0	15.6	14.3	13.0	10.5	7.1	
44			14.6	13.4	12.3	10.1	6.9	4.5
50			10.7	9.7	8.9	7.9	6.1	3.9
55				8.2	7.5	6.7	5.4	3.5
60				7.2	6.5	5.9	4.8	3.2
65					5.9	5.2	4.3	2.9
70					5.2	4.7	3.8	2.6
75						4.2	3.3	2.3
80							2.9	
85							2.5	
							2.2	

Hauptausleger 35 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
13.1	t	t	t	t	t	t	t	t
16	55.2							
20	44.9	41.0						
24	35.1	32.5	28.3					
26	29.2	26.9	23.0	19.3				
28	27.0	24.9	21.9	18.6	14.3			
32		22.3	20.6	17.8	14.1	10.0		
34		20.3	18.2	16.1	13.5	9.7	6.4	
36		19.2	17.2	15.3	13.1	9.6	6.4	
46			16.3	14.5	12.8	9.3	6.3	3.9
55			12.9	11.0	10.2	8.3	5.6	3.6
60				9.4	8.3	7.2	5.1	3.1
65					7.6	6.5	4.9	2.8
70					6.9	5.9	4.5	2.6
75						5.4	4.2	2.3
80						4.9	3.9	2.1
85							3.6	
							3.2	

Hauptausleger 44 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
14.2	t	t	t	t	t	t	t	t
17	40.6							
22	35.9	31.0						
24	28.6	25.6	21.1					
26	26.5	22.9	19.8	15.7				
28	25.1	22.0	18.7	15.3				
30		21.0	17.9	14.7	12.2			
34		20.0	17.1	14.2	11.4	8.8		
36		18.3	15.9	13.4	10.7	8.5	5.7	
38		12.1	15.2	12.9	10.4	8.3	5.6	
46			14.5	12.4	10.2	8.1	5.6	3.4
55			12.5	10.4	8.9	7.3	5.2	3.3
65				8.9	7.6	6.4	4.6	2.9
70					6.5	5.4	4.0	2.4
75						5.1	3.7	2.2
80						4.7	3.5	
85							2.9	

Hauptausleger 53 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
15.3	t	t	t	t	t	t	t	t
18	32.1							
22	28.7	24.6						
26	24.4	21.0	17.3					
28	21.4	18.6	15.5	12.6				
32	20.5	17.8	14.8	12.2	9.6			
34		16.4	13.7	10.9	9.1	7.2		
36		15.9	13.3	10.5	8.8	7.1	4.8	
38		15.4	12.9	10.2	8.5	6.9	4.8	
48			12.4	9.8	8.2	6.6	4.7	2.8
55			10.4	8.3	6.9	5.6	4.2	2.6
60				7.4	6.2	5.1	3.7	2.4
65				6.8	5.8	4.7	3.4	2.1
75					5.5	4.4	3.1	
80						3.8	2.6	
85							2.4	
							2.2	

Hauptausleger 56 m

Radius (m)	Nadellänge (m)							
	20	29	35	41	53	62	71	80
9.1	t	t	t	t	t	t	t	t
11	36.0							
13	33.0	27.7						
14	30.0	25.9	22.9					
16	28.8	24.8	22.0	19.7				
18	26.4	22.6	20.3	18.3	14.0			
20	24.5	20.9	18.9	17.0	13.5	10.3		
22	22.1	19.4	17.5	16.0	12.8	10.0	7.5	
24	20.9	18.0	16.5	14.8	11.3	9.4	7.4	5.4
32	12.1	17.1	15.5	14.0	10.9	8.9	7.2	5.3
38		14.6	13.1	11.3	9.2	7.5	6.5	5.1
44			11.6	10.5	8.2	6.7	5.9	4.7
55				9.6	7.4	6.0	5.4	4.3
60					6.2	5.2	4.5	3.6
70						4.8	4.1	3.3
80							3.4	2.7
								2.0

Hauptausleger 59 m

Radius (m)	Nadellänge (m)							
	20	29	35	41	53	62		
16	t	t	t	t	t	t		
19	27.0							
22	24.1	20.5						
24	21.0	18.4	16.7					
26	19.8	17.2	15.7	14.2				
28	18.7	16.2	14.8	13.5	10.3			
30	18.0	15.5	14.2	13.0	10.0			
38		14.9	13.6	12.5	9.7	8.1		
42		11.9	11.5	10.4	8.3	6.9		
46			10.9	9.7	7.7	6.4		
48				9.2	7.2	6.0		
50				9.0	7.0	5.8		
55					6.8	5.6		
60					6.3	5.2		
65					5.9	4.8		
70						4.6		
						4.3		

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1916.xx) 81 t Ballast + 36 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1916.xx)

Hauptausleger 75°

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
17.5	t	t	t	t	t	t	t	t
22	44.8							
28	32.6	31.4						
32	12.1	22.7	21.4					
36		19.2	18.0	16.9				
40		16.6	15.6	14.6	13.6			
46			13.6	12.8	11.6	9.8		
48			11.0	10.4	9.7	8.9	6.1	
50			10.5	9.7	9.1	8.3	6.0	
55				9.2	8.6	7.8	5.8	3.7
60				8.0	7.4	6.8	5.4	3.4
65				6.9	6.5	5.9	5.0	3.1
70					5.8	5.2	4.5	2.8
75						4.6	3.9	2.6
80						4.1	3.4	2.3
85							3.0	
85							2.5	

Hauptausleger 35 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
20.6	t	t	t	t	t	t	t	t
26	38.0							
30	30.3	28.7						
36	25.8	24.9	23.2					
40		20.4	19.3	17.4				
44		12.1	17.2	15.8	13.1			
48			15.3	14.1	12.7	9.0		
50			13.7	12.9	11.3	8.7	5.7	
55			12.9	12.3	10.9	8.5	5.6	
60				10.7	9.8	8.1	5.4	3.3
65				9.6	8.7	7.6	5.1	3.1
70					7.9	6.9	4.9	2.8
75					7.1	6.3	4.7	2.6
80						5.7	4.4	2.4
85						5.2	4.2	2.1
90							3.8	
90							3.5	

Hauptausleger 44 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
22.9	t	t	t	t	t	t	t	t
28	29.3							
32	25.3	22.6						
38	22.5	20.5	17.6					
42		17.8	15.8	13.5				
46		15.9	14.7	12.8	10.2			
48			13.4	11.4	9.7	7.6		
50			12.8	11.1	9.5	7.5		
55			12.2	10.8	9.2	7.4	5.0	
60				9.8	8.6	7.0	4.9	2.9
65				8.9	7.9	6.6	4.7	2.8
70				8.0	7.3	6.1	4.4	2.7
75					6.6	5.7	4.1	2.4
80						5.2	3.9	2.2
85						4.7	3.6	
90							3.3	
90							2.9	

Hauptausleger 53 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
25.2	t	t	t	t	t	t	t	t
30	24.4							
32	21.4	19.1						
36	20.3	18.3						
40	12.1	16.8	14.4					
44		15.2	13.4	10.7				
48		13.8	12.5	10.1	8.4			
50			11.2	9.5	8.1	6.3		
55			10.9	9.2	7.8	6.3		
60			9.8	8.4	7.2	5.9	4.2	
65				7.7	6.6	5.5	4.1	2.4
70				7.0	6.1	5.1	3.8	2.3
75					5.6	4.7	3.5	2.2
80					5.1	4.3	3.2	
85						3.8	2.9	
90						3.3	2.5	
90							2.1	

Hauptausleger 56 m

Radius (m)	Nadellänge (m)							
	20	29	35	41	53	62	71	80
26	t	t	t	t	t	t	t	t
30	21.9							
34	20.0	17.7						
36	18.4	16.4	15.2					
40	17.4	15.7	14.6	13.5				
44		14.5	13.5	12.5	9.7			
48		13.2	12.6	11.2	9.3	7.5		
50			11.5	10.5	8.7	7.3	6.0	
55			10.9	10.1	8.4	7.1	6.0	
65				9.3	7.7	6.5	5.8	4.6
75				6.6	5.6	5.0	4.1	
85					4.7	4.0	3.4	
90						3.1	2.5	
90							2.1	

Hauptausleger 59 m

Radius (m)	Nadellänge (m)						
	20	29	35	41	53	62	
26.8	t	t	t	t	t	t	
32	20.3						
34	18.0	16.0					
36	17.3	15.3	14.1				
42	16.7	14.6	13.6	12.4			
46		13.1	12.2	10.7	8.7		
48		11.9	10.9	10.0	8.2	6.8	
50			10.6	9.7	7.9	6.7	
55			10.3	9.3	7.6	6.4	
60				8.7	7.0	5.9	
65					6.4	5.5	
70					6.0	5.1	
75						4.7	
75						4.4	

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1916.xx) 81 t Ballast + 36 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1916.xx)

Hauptausleger 65°

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
24.3	33.3	t	t	t	t	t	t	t
30	25.6	25.3						
32	12.1	22.9						
38		18.0	17.4					
40		16.5	16.0					
44			13.9	13.5				
46			13.0	12.6				
50			11.1	10.8	10.2			
55				9.1	8.8	7.6		
60				7.9	7.5	6.9		
65					6.5	6.0	4.9	
70					5.7	5.2	4.6	2.7
75						4.7	4.0	2.5
80						4.1	3.5	2.3
90							2.6	

Hauptausleger 35 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
29.3	24.2	t	t	t	t	t	t	t
36	18.7	18.3						
42		15.0	14.4					
44		14.1	13.6					
48			12.1					
50			11.5	10.7				
55			10.0	9.5	8.8			
60				8.3	7.8	7.0		
65				7.3	6.9	6.2		
70					6.1	5.4	4.5	
75					5.4	4.8	3.9	2.6
80						4.3	3.4	2.3
85						3.7	2.9	2.1
90							2.5	
95							2.1	

Hauptausleger 44 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
33.1	18.7	t	t	t	t	t	t	t
40	15.0	14.3						
46		12.1	11.1					
48		11.5	10.5					
55			8.9	7.9				
60			7.9	7.0	6.3			
65				6.2	5.6	4.8		
70				5.6	4.9	4.1	3.2	
75					4.4	3.6	2.7	
80					3.9	3.1	2.2	
85						2.7		
90						2.3		

Hauptausleger 53 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
36.9	14.2	t	t	t	t	t	t	t
44	11.7	10.8						
46		10.3						
48		9.8						
50		9.3	8.2					
55			7.3					
60			6.4	5.4				
65			5.7	4.8	4.1			
70				4.2	3.6	2.8		
75				3.7	3.1	2.3		
80					2.7			
85					2.3			

Hauptausleger 56 m

Radius (m)	Nadellänge (m)							
	20	29	35	41	53	62	71	80
38.2	12.9	t	t	t	t	t	t	t
44	11.0	10.1						
46	10.4	9.6						
48		9.1	8.5					
50		8.6	8.1					
55			7.1	6.7				
60			6.3	5.9	4.9			
65				5.2	4.3	3.6		
70					3.7	3.1	2.3	
75					3.3	2.6		
80						2.2		

Hauptausleger 59 m

Radius (m)	Nadellänge (m)							
	20	29	35	41	53	62		
39.5	11.5	t	t	t	t	t		
42	10.8							
44	10.3							
46	9.7	8.9						
48		8.4						
50		8.0	7.4					
55		7.1	6.6	6.1				
60			5.8	5.4	4.4			
65				4.7	3.8	3.1		
70					3.3	2.6		
75					2.8	2.2		

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1916.xx) 81 t Ballast + 36 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1916.xx)

Hauptausleger 45°

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
t	t	t	t	t	t	t	t	t
35.6	18.7							
38	17.1							
44		13.9						
46		13.1						
55			9.8					
65				7.1				
70				6.3	5.8			
75					5.2			
80						4.1		
85						3.5		
90							2.5	
95							2.1	

Hauptausleger 35 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
t	t	t	t	t	t	t	t	t
44.1	11.7							
46	11.1							
55		8.3						
65			5.9					
75				4.0				
80					3.0			
85					2.6			

Hauptausleger 44 m

Radius (m)	Nadellänge (m)						
	20	29	41	53			
t	t	t	t	t			
50.4	7.9						
60		5.7					
70			3.7				
80				2.0			

Hauptausleger 53 m

Radius (m)	Nadellänge (m)							
	20	29	41	53	62	71	83	95
t	t	t	t	t	t	t	t	t
56.8	4.9							
65		3.2						

Hauptausleger 56 m

Radius (m)	Nadellänge (m)							
	20	29	35	41	53	62	71	80
t	t	t	t	t	t	t	t	t
58.9	3.8							
60	3.7							
70		2.1						

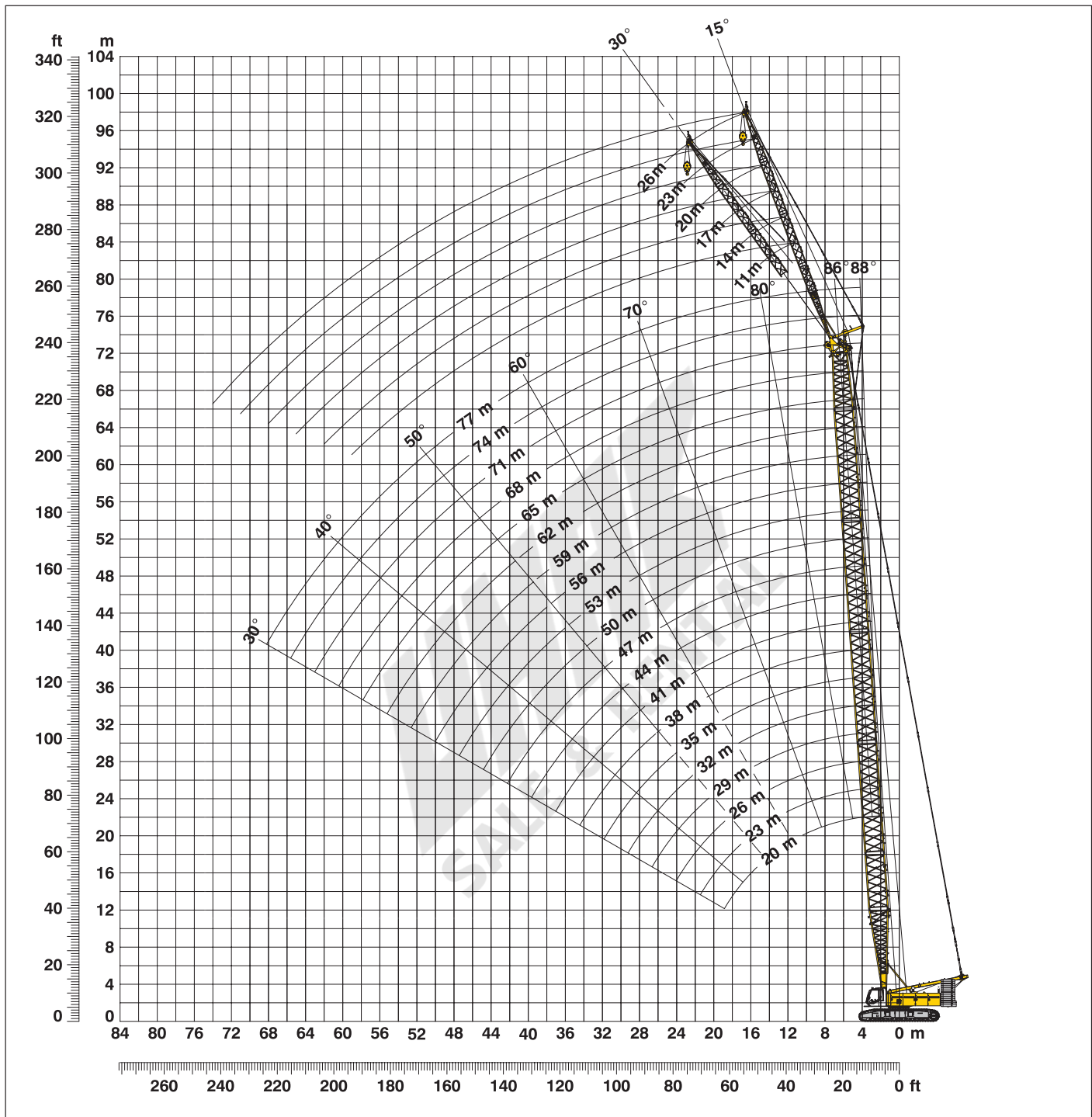
Hauptausleger 59 m

Radius (m)	Nadellänge (m)							
	20	29	35	41	53	62		
t	t	t	t	t	t	t		
61	2.9							

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1916.xx) 81 t Ballast + 36 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Festst. Nadelausleger (No. 1008.xx) 15° und 30°

Hauptausleger 88°- 30°



Auslegerzusammenbau für Hauptauslegerlängen von 20 m bis 77 m – siehe Tabelle 1, Seite 10

Konfiguration mit feststehendem Nadelausleger (11 m – 26 m)

	Länge	Anzahl der Nadelauslegerstücke					
		11 m	14 m	17 m	20 m	23 m	26 m
Nadelanlenkstück	5.5 m	1	1	1	1	1	1
Nadel-Z-Stück	3.0 m		1		1		1
Nadel-Z-Stück	6.0 m			1	1	2	2
Nadel-Z-Stück	5.5 m	1	1	1	1	1	1
Nadellänge (m)		11	14	17	20	23	26

Traglasten - festst. Nadelausleger (No. 1008.xx) Offset 15°

Hauptausleger 20 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
9	t	t	t	t
10	35.9	34.1		
11	35.9	33.3	27.4	
12	35.9	32.6	26.3	19.2
16	35.1	29.8	22.5	16.7
20	32.8	26.5	19.7	14.8
24	27.5	22.6	16.8	13.2
28	24.0	20.5	14.6	11.3
30	23.0	19.3	13.7	10.9
32		18.2	12.9	10.5
38			11.3	8.7
44				7.6

Hauptausleger 29 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
8	t	t	t	t
9	35.9	34.9		
10	35.9	34.2	28.3	
12	35.9	33.0	26.4	18.9
20	34.7	29.2	20.7	15.1
26	30.5	25.2	17.7	13.3
30	25.0	22.1	15.7	12.1
36	19.2	19.5	13.4	10.6
38	17.7	18.0	12.8	10.1
40		16.7	12.3	9.5
46			11.2	8.3
50				7.7

Hauptausleger 38 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
7	t	t	t	t
8	35.9	35.4		
10	35.9	34.3	28.1	
13	35.9	33.0	25.9	18.1
20	35.9	30.6	21.5	15.1
30	24.4	24.7	17.5	12.9
40	15.8	16.1	14.0	10.6
44	13.5	13.8	12.9	9.7
46	12.1	12.7	12.5	9.3
48		11.9	12.1	8.9
55			9.7	8.0
60				7.4

Hauptausleger 47 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
6.6	t	t	t	t
8	35.9	34.4		
11	35.9	33.2	26.2	
13	35.9	32.4	24.9	17.6
18	35.6	30.8	21.7	15.7
20	34.9	30.0	20.8	15.1
30	23.8	24.2	18.2	13.1
40	15.2	15.5	15.1	11.1
50	10.3	10.5	11.0	9.5
55		8.7	9.2	8.7
60			7.6	8.0
65				6.7

Hauptausleger 56 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
6.9	t	t	t	t
9	35.9	33.5		
11	35.9	32.7	25.1	
13	35.9	32.1	24.2	16.6
20	32.5	28.7	20.6	14.6
30	22.6	22.7	17.9	12.9
40	14.6	14.9	15.3	11.4
50	9.7	9.9	10.4	10.3
60	6.4	6.6	7.1	7.5
65			5.8	6.1
70			4.6	5.0
75				4.0

Hauptausleger 62 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
7.1	t	t	t	t
9	35.9	32.6		
11	35.2	31.7	23.2	
13	33.8	30.5	22.6	15.9
20	27.7	25.8	19.8	14.2
30	21.6	21.0	17.0	12.7
40	14.2	14.4	14.7	11.3
50	9.3	9.5	10.0	10.2
60	6.0	6.2	6.7	7.1
65	4.7	4.9	5.4	5.7
75			3.3	3.6
80				2.7

Hauptausleger 68 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
7.3	t	t	t	t
9	34.1	30.2		
11	31.8	29.2	21.7	
14	28.3	26.7	20.8	15.1
20	21.9	21.7	18.4	13.7
30	18.4	17.8	15.4	12.3
40	13.5	13.6	13.8	10.8
50	8.9	9.1	9.5	9.6
60	5.6	5.8	6.3	6.7
70	3.3	3.5	3.9	4.2
75		2.5	2.9	3.3
80			2.0	2.4

Hauptausleger 74 m

Radius (m)	Nadellänge (m)			
	11	14	17	20
7.5	t	t	t	t
9	29.0	26.1		
10	27.8	26.1	22.8	
12	26.1	24.6	22.4	19.7
20	19.2	18.6	17.7	16.4
30	15.7	15.1	14.4	13.8
40	12.7	12.8	13.0	12.5
50	8.3	8.5	8.7	8.8
60	5.2	5.4	5.6	5.8
65	3.9	4.1	4.4	4.5
70	2.8	3.0	3.3	3.5
75		2.1	2.3	2.5

Hauptausleger 77 m

Radius (m)	Nadellänge (m)			
	11	14		
7.6	t	t		
9	26.7	23.3		
10	25.8	23.3		
18	19.1	18.2		
20	17.9	17.1		
30	14.6	14.0		
40	12.3	12.4		
50	8.0	8.2		
55	6.4	6.5		
60	5.0	5.1		
65	3.7	3.9		
70	2.7	2.9		

Traglasten in Tonnen mit feststehendem Nadelausleger (No. 1008.xx) 81 t Ballast + 36 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - festst. Nadelausleger (No. 1008.xx)

Offset 30°

Hauptausleger 20 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
11	t	t	t	t
13	34.7	26.1		
15	28.3	23.8	16.9	
18	25.1	21.4	14.9	12.1
20	23.3	19.9	13.9	11.3
24	21.3	17.5	12.2	9.7
28	19.5	15.8	11.1	8.5
30	18.9	15.2	10.7	8.0
32		14.8	10.2	7.6
34		12.1	9.7	7.2
40			9.0	6.3
46				6.0

Hauptausleger 29 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
10	t	t	t	t
12	35.9	27.7		
15	30.6	25.0	17.1	
18	27.5	23.2	15.5	12.1
20	26.0	21.6	14.5	11.6
24	23.2	19.3	13.0	10.2
28	21.8	17.5	12.0	9.1
30	20.9	16.8	11.5	8.6
38	17.8	14.9	10.0	7.1
40		14.6	9.7	6.9
46			9.1	6.3
50				6.1

Hauptausleger 38 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
8.9	t	t	t	t
11	35.9	29.0		
15	32.2	26.6	17.8	
19	28.6	24.0	15.8	12.1
20	27.8	23.9	15.4	11.7
24	25.3	21.4	14.0	10.5
30	22.9	18.8	12.3	9.1
40	16.0	16.0	10.7	7.4
46	12.5	12.9	9.8	6.7
48		12.0	9.6	6.6
55			9.3	6.1
60				6.0

Hauptausleger 47 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
9.2	t	t	t	t
12	35.9	28.0		
15	33.6	26.4	17.3	
19	30.1	23.5	15.7	12.0
20	29.5	23.4	15.4	11.8
24	26.8	21.9	14.1	10.7
30	23.4	19.5	12.6	9.4
40	15.5	15.9	11.1	7.9
50	10.4	10.7	9.8	6.8
55		8.8	9.3	6.4
60			7.8	6.1
65				6.0

Hauptausleger 56 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
9.5	t	t	t	t
12	35.5	28.1		
16	31.9	26.0	17.4	
19	29.6	24.6	16.3	11.8
20	28.9	24.0	15.9	11.8
30	23.2	20.0	13.3	9.6
40	15.0	15.4	11.7	8.1
50	9.9	10.2	10.5	7.1
60	6.5	6.8	7.3	6.4
65		5.4	6.0	6.2
70			4.7	5.2
75				4.1

Hauptausleger 62 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
9.8	t	t	t	t
12	33.1	26.8		
16	29.6	25.1	17.2	
20	26.6	23.0	16.0	11.7
30	21.8	18.8	13.6	9.7
40	14.6	14.9	12.0	8.3
50	9.5	9.9	10.5	7.3
60	6.1	6.4	7.0	6.6
65	4.8	5.1	5.6	6.1
70		3.9	4.4	4.9
75			3.4	3.8
80				2.9

Hauptausleger 68 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
10	t	t	t	t
12	30.2	25.2		
16	26.4	23.5	16.8	
20	22.6	21.1	15.9	11.5
30	18.6	17.0	13.4	9.8
40	13.9	14.2	11.7	8.5
50	9.2	9.5	10.1	7.5
60	5.8	6.1	6.7	6.7
65	4.5	4.7	5.3	5.8
70	3.3	3.6	4.1	4.6
75		2.6	3.1	3.5
80			2.1	2.6

Hauptausleger 74 m

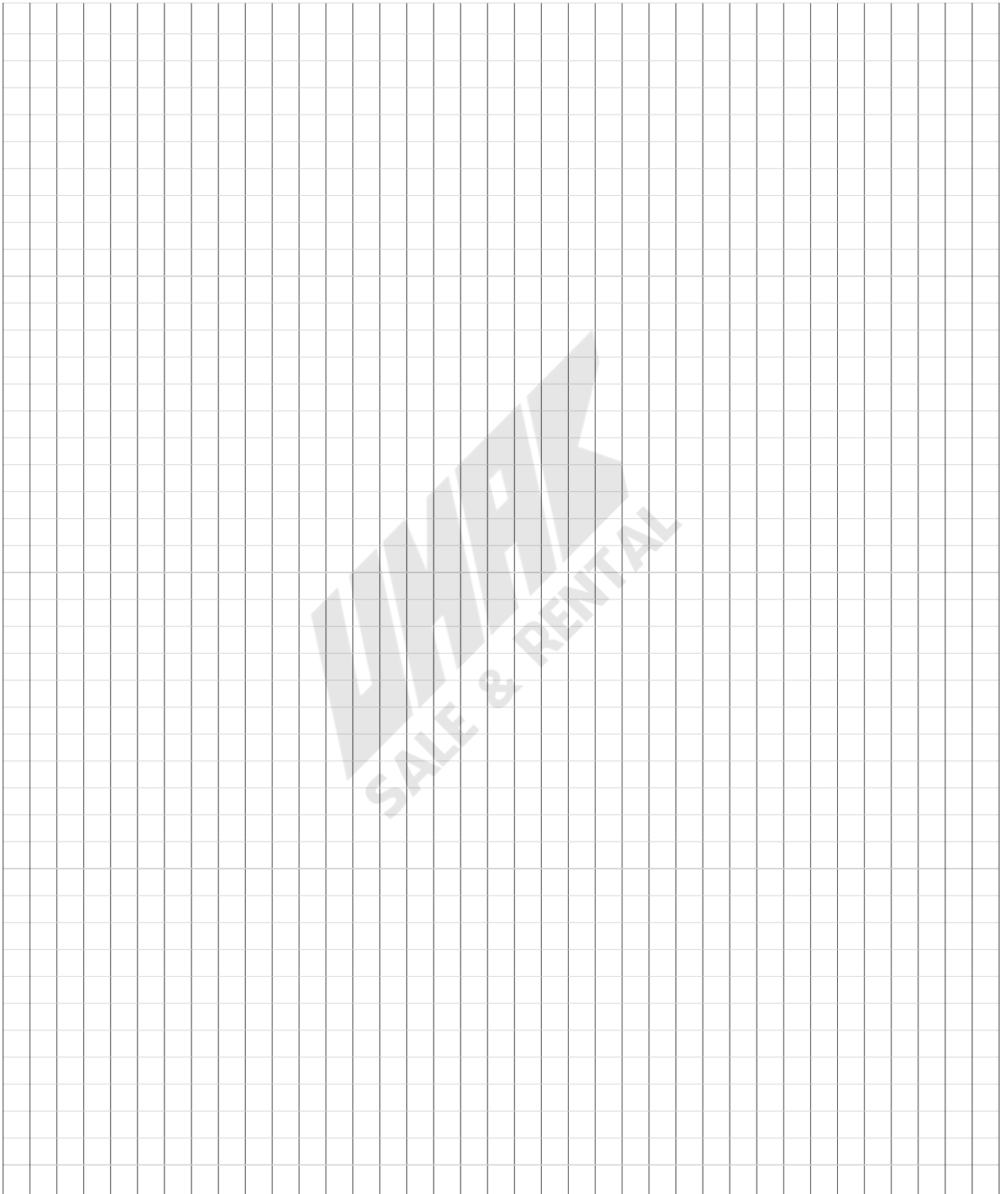
Radius (m)	Nadellänge (m)			
	11	14	17	20
10.2	t	t	t	t
12	26.3	22.3		
14	24.3	22.2	18.9	
16	22.1	20.8	18.8	16.1
20	19.6	18.4	16.9	15.3
30	15.7	15.0	14.1	12.8
40	13.2	13.4	12.7	11.1
50	8.7	8.9	9.2	9.4
60	5.4	5.7	6.0	6.2
65	4.1	4.4	4.7	4.9
70	3.0	3.2	3.5	3.8
75		2.2	2.5	2.7

Hauptausleger 77 m

Radius (m)	Nadellänge (m)		
	11	14	
10.3	t	t	
13	24.2	20.6	
16	20.5	19.2	
20	18.2	17.0	
30	14.7	14.0	
40	12.8	12.8	
50	8.4	8.6	
55	6.7	6.9	
60	5.2	5.5	
65	3.9	4.2	
70	2.8	3.1	
75		2.1	

Traglasten in Tonnen mit feststehendem Nadelausleger (No. 1008.xx) 81 t Ballast + 36 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Notizen



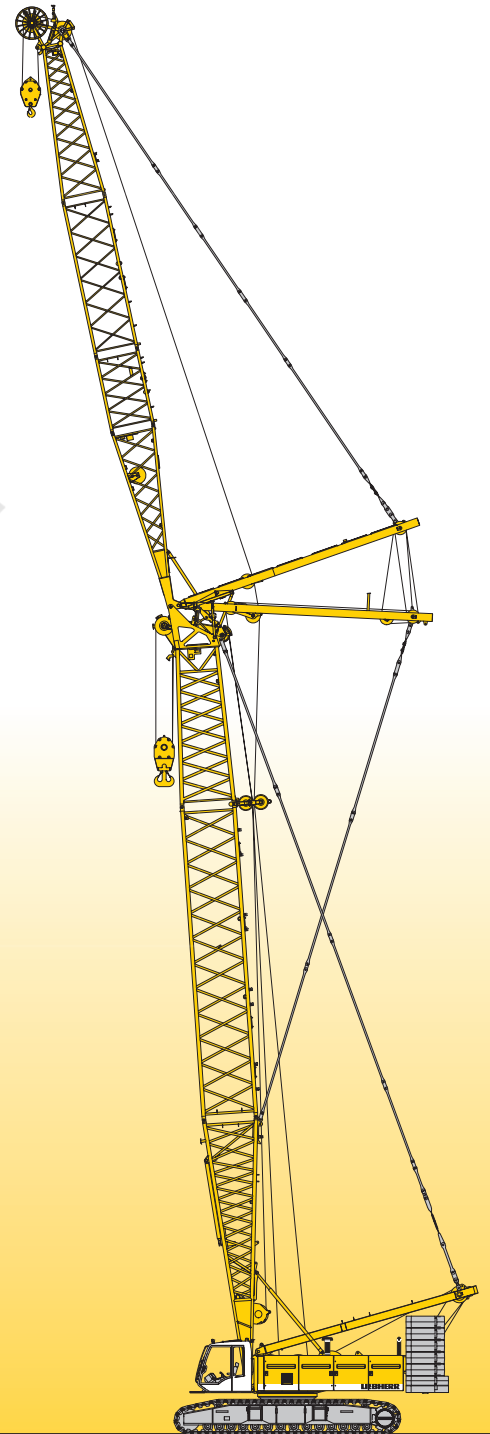


Technical data
Hydraulic lift crane

LR 1200
Litronic®

Complies with ANSI B 30.5

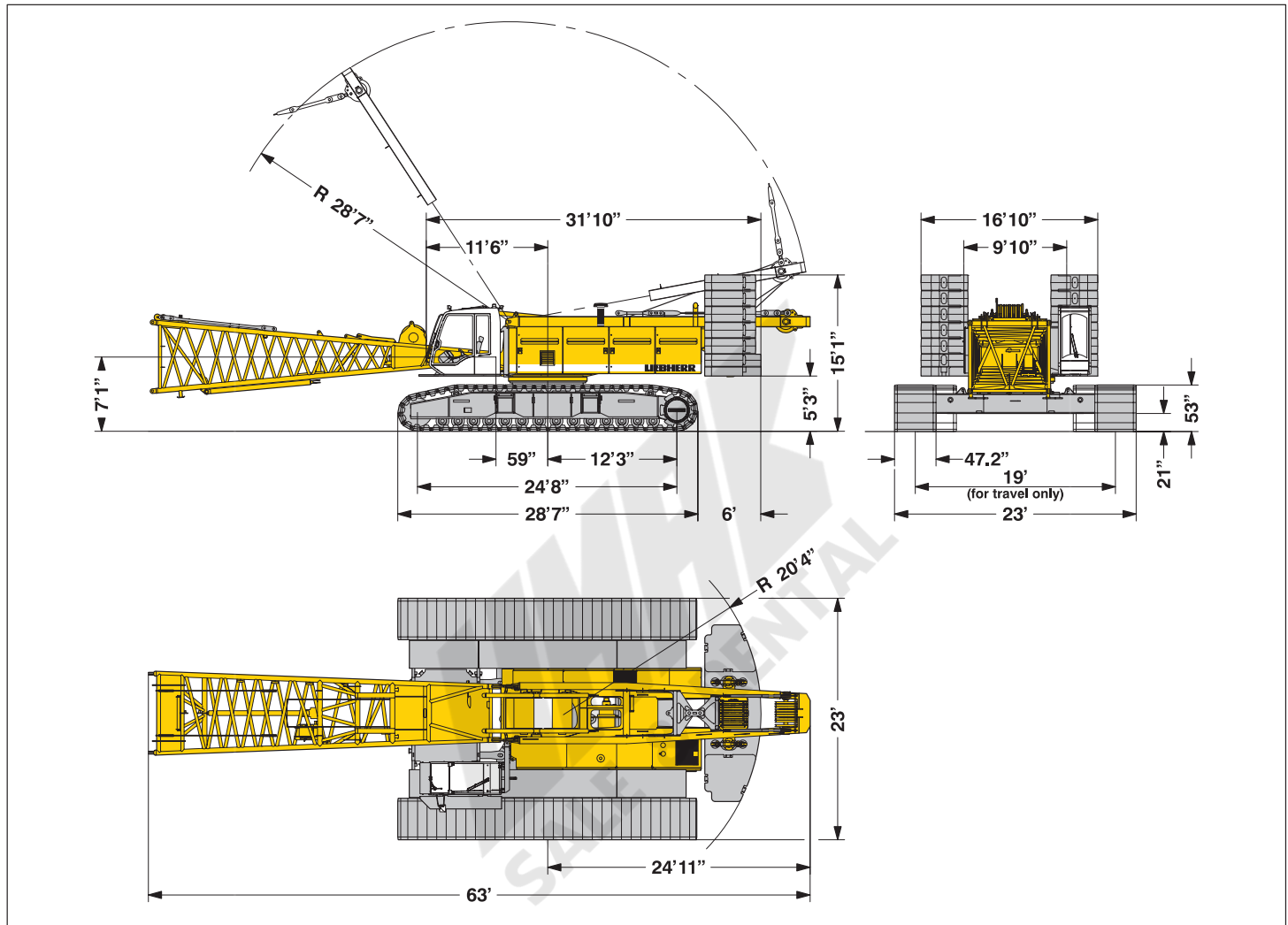
WMAK
SALE & RENTAL



LIEBHERR

Dimensions

Basic machine with undercarriage



Operating weight

The operating weight includes the basic machine with crawlers, 2 main winches 26,500 lbs including wire ropes (853 ft and 1624 ft) and 66 ft main boom, consisting of A-frame, boom foot (33 ft), boom head (23 ft), boom extension (10 ft), 178,600 lbs basic counterweight, 79,400 lbs carbody counterweight and 551,100 lbs hook block.

Total weight _____ approx. 463,000 lbs

Ground pressure

Ground bearing pressure _____ 16.5 PSI

Equipment

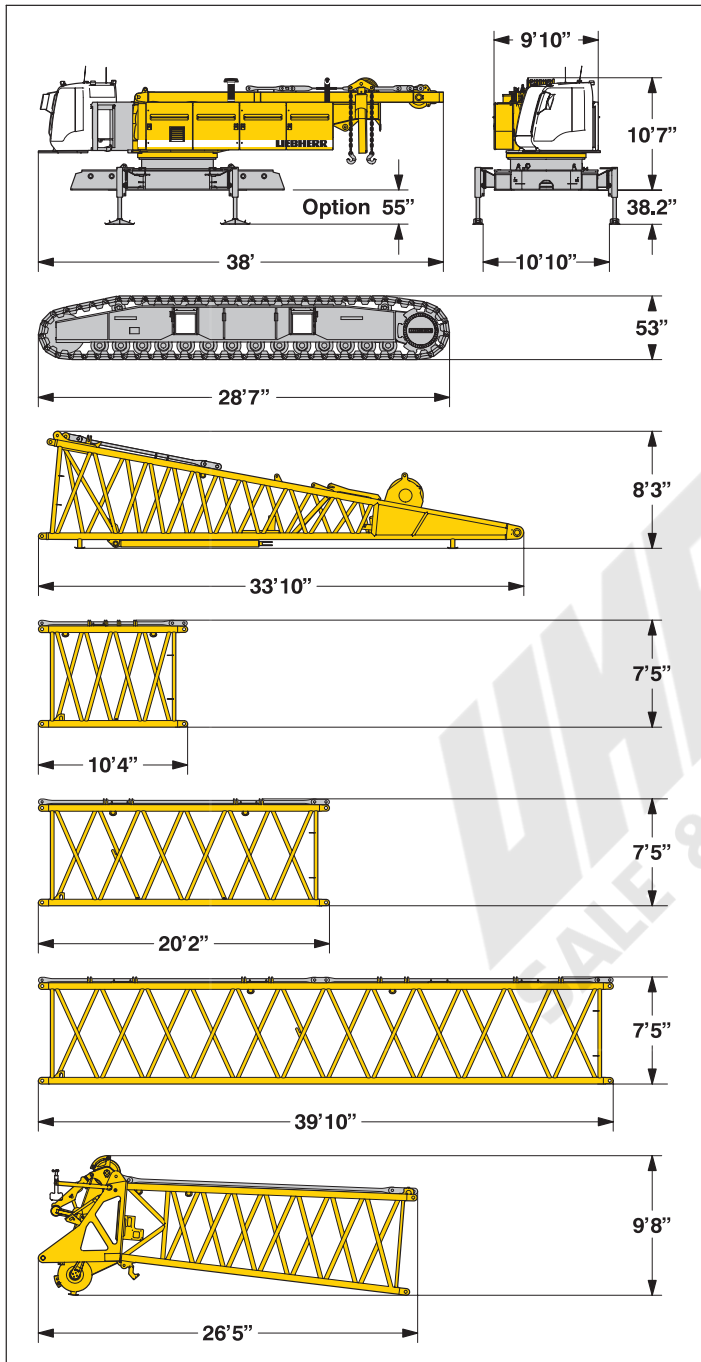
Main boom (No. 2320.xx) max. length _____ 292 ft
 High reach (No. 2320.xx and 1916.xx) _____ 384 ft
 Luffing jib (No. 1916.xx) max. length _____ 312 ft
 Max. combination _____ boom 174 ft and luffing jib 312 ft
 Fixed jib (No. 1008.xx) _____ 36 ft – 85 ft
 Auxiliary jib 53,000 lbs lifting capacity (optional 79,100 lbs)

Remarks

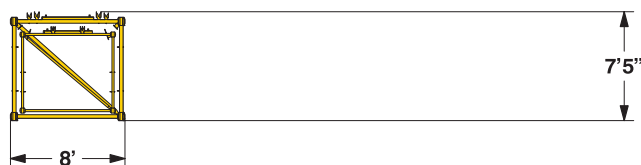
1. The lifting capacities stated are valid for lifting operation only (corresponds with crane classification according to F.E.M. 1.001, crane group A1)
2. Crane standing on firm, horizontal ground.
3. The weight of the lifting device (hoisting ropes, hook block, shackle etc.) must be deducted from the gross lifting capacity to obtain a net lifting value.
4. Additional equipment on boom (e.g. boom walkways, auxiliary jib) must be deducted to get the net lifting capacity.
5. For max. wind speed please refer to lift chart in operator's cab or manual.
6. Working radii are measured from centre of swing and under load.
7. The lifting capacities are valid for 360 degrees of swing.
8. Calculation of stability under load is based on 75% tipping load, ANSI B 30.5 and ISO 4305 Table 2.
9. The structures are calculated according to F.E.M. 1.001 – 1998 (EN 13001-2 / 2004) and tested according to SAE J 987.

Transport dimensions and weights

Basic machine and boom (No. 2320.xx)



Transport option



*) Including pendant straps

Basic machine

with A-frame, 2x 26,500 lbs crane winches including wire ropes (total hoist ropes 247,700 ft), without crawlers, boom foot, basic counterweight and carbody counterweight

Width	10'
Weight in lbs	89,950

Crawler

2x

Flat track shoes	47.2'
Width	47.2'
Weight in lbs	43,650

Boom foot (No. 2320.25)

Width	8'
Weight in lbs with luffing winch*	12,346
Weight in lbs without luffing winch*	8,820

Boom section (No. 2320.23)

10 ft

Width	8'
Weight in lbs*	2,030

Boom section (No. 2320.20)

20 ft

Width	8'
Weight in lbs*	2,830

Boom section (No. 2320.20)

40 ft

Width	8'
Weight in lbs*	5,200

Boom head (No. 2320.23)

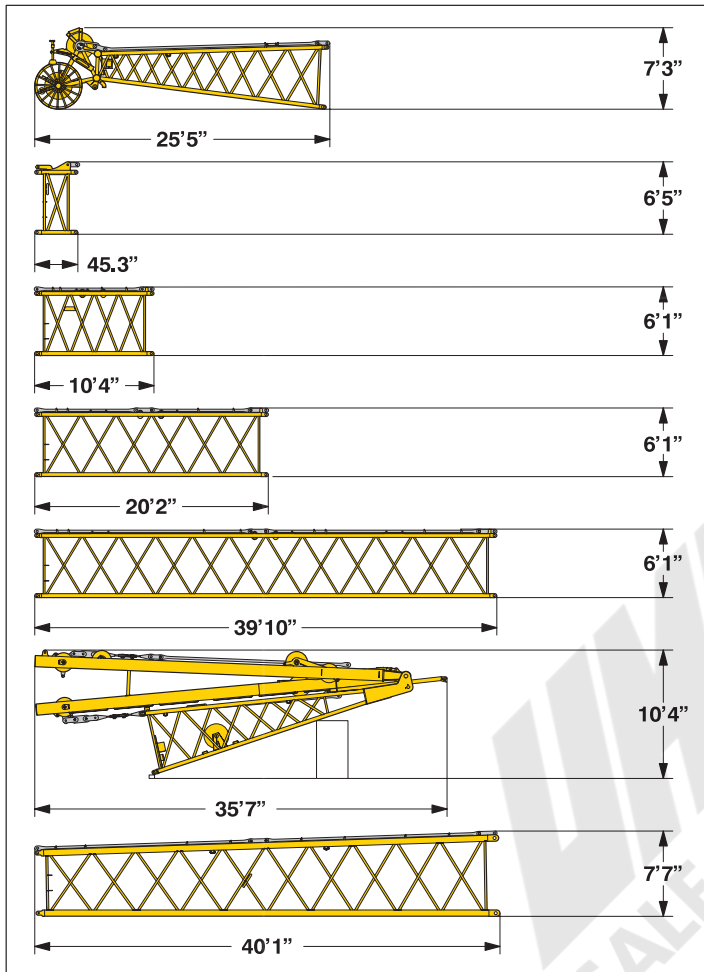
Width	8'
Weight in lbs*	9,500

Boom transport option

No. 2320.xx/1916.xxx	40' / 40'	20' / 20'	10' / 10'
Length	40'2"	20'6"	10'8"
Weight in lbs*	7,960	4,350	3,240

Transport dimensions and weights

Luffing jib (No. 1916.xx)



Luffing jib head (No. 1916.21)

Width	6'9"
Weight in lbs*	3,400

L - boom jib section (No. 1916.22) **3 ft**

Width	6'9"
Weight in lbs*	1,000

Luffing jib section (No. 1916.18) **10 ft**

Width	6'9"
Weight in lbs*	1,210

Luffing jib section (No. 1916.18) **20 ft**

Width	6'9"
Weight in lbs*	1,520

Luffing jib section (No. 1916.18) **40 ft**

Width	6'9"
Weight in lbs*	2,760

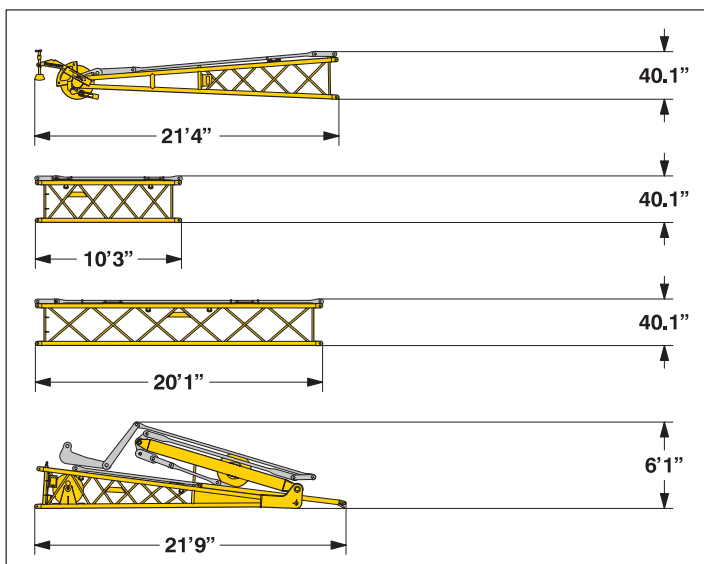
Luffing jib foot with A-frames (No. 1916.22)

Width	6'9"
Weight in lbs*	14,110

L - boom section tapered (No. 2320/1916.20) **40 ft**

Width	7'11"
Weight in lbs*	5,810

Fixed jib (No. 1008.xx)



Fixed jib head (No. 1008.20)

Width	45"
Weight in lbs*	2,060

Fixed jib section (No. 1008.17) **10 ft**

Width	43.3"
Weight in lbs*	660

Fixed jib section (No. 1008.17) **20 ft**

Width	43.3"
Weight in lbs*	1,010

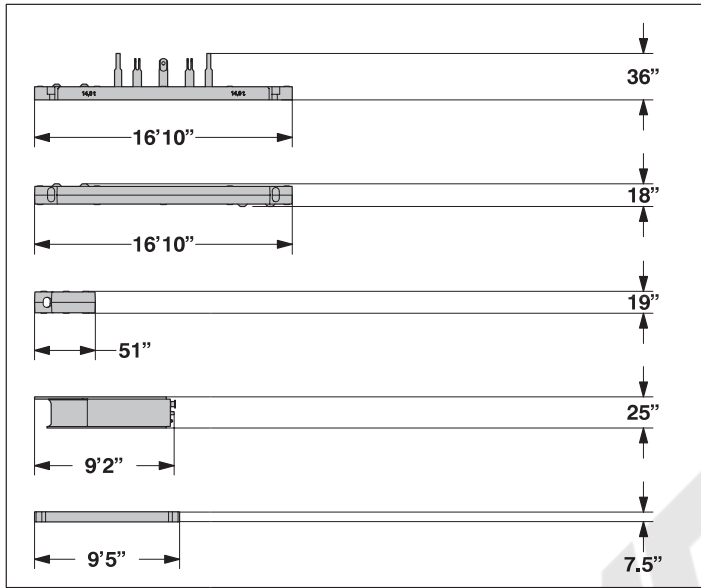
Fixed jib foot with A-frame (No. 1008.20)

Width	59"
Weight in lbs*	4,300

*) Including pendant straps

Transport dimensions and weights

Counterweights



Counterweight **1x**

Width _____ 5'5"
Weight in lbs _____ 31,970

Counterweight **1x**

Width _____ 5'5"
Weight in lbs _____ 35,940

Counterweight **10x**

Width _____ 54"
Weight in lbs _____ 11,250

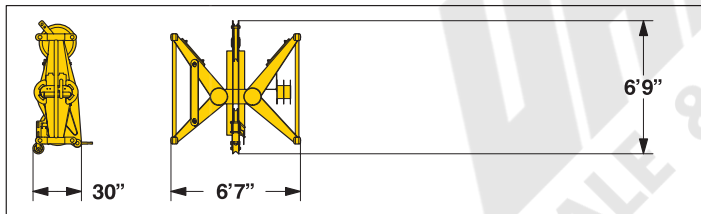
Carbody counterweight **2x**

Width _____ 11'
Weight in lbs _____ 21,600

Carbody counterweight **2x**

Width _____ 6'9"
Weight in lbs _____ 18,300

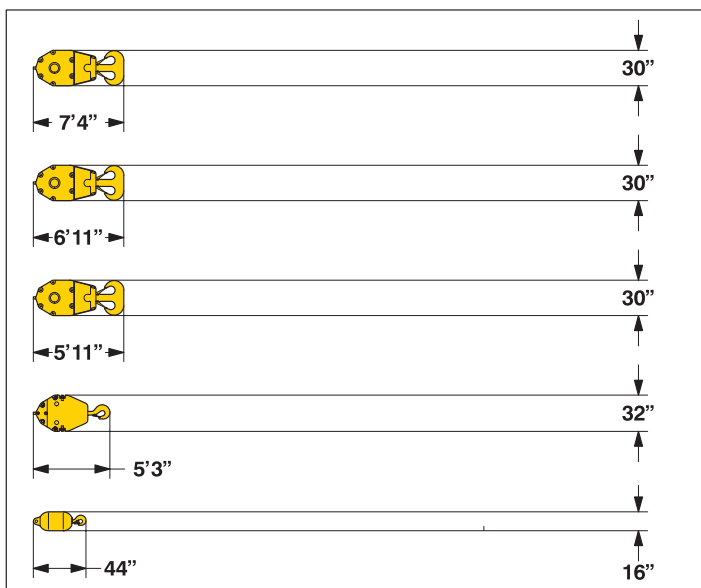
Mid fall (option)



Mid fall section (No. 1916.32) **1.64 ft**

Width _____ 30"
Weight in lbs _____ 1,600

Hooks



551,200 lbs hook block - 11 sheaves

Width _____ 41" — 49"
Weight in lbs _____ 5,070 — 7,050

353,000 lbs hook block - 7 sheaves

Width _____ 25" — 30" — 35"
Weight in lbs _____ 3,300 — 4,960 — 6,610

220,500 lbs hook block - 5 sheaves

Width _____ 21" — 25" — 30"
Weight in lbs _____ 2,900 — 4,000 — 5,070

88,200 lbs hook block - 1 sheave

Width _____ 12" — 16" — 20"
Weight in lbs _____ 1,500 — 2,450 — 3,300

27,600 lbs single hook

Width _____ 16"
Weight in lbs _____ 1,300

Technical description



Engine

Power rating according to ISO 9249, 270 kW (362 hp) at 2000 rpm
Engine type _____ Liebherr D 936 L A6
Fuel tank _____ 219 gal capacity with continuous level indicator and reserve warning
Engine complies with NRMM exhaust certification EPA / CARB Tier 3 and 97/68 EC Stage III



Hydraulic system

A double axial displacement pump supplies the open loop hydraulic system, allowing all functions to be operated simultaneously. To minimize peak pressure an automatic working pressure cut-off is integrated in the pump. All filters are electronically monitored.
The use of synthetic environmentally friendly (biodegradable) oils is possible.
Working pressure _____ max. 5076 PSI
Oil tank capacity _____ 172 gal



Luffing jib winch

Line pull _____ max. 23,150 lbs
Rope diameter _____ 20 mm
Jib luffing _____ 51 sec. from 15° to 78°



Boom winch

Line pull _____ max. 47,850 lbs
Rope diameter _____ 24 mm
Boom up _____ 130 sec. from 15° to 86°



Swing

Consists of rollerbearing with external teeth, swing drive with fixed axial piston hydraulic motor, spring loaded and hydraulically released multi-disc holding brake, planetary gearbox and pinion.
Both swing modes are possible – speed control or free swing.
A multi-disc holding brake acts automatically at zero swing motion.
Swing speed from 0 – 3 rpm continuously variable.



Main winches

Line pull (1st layer) _____ max. 38,600 lbs
Line pull (7th layer) _____ 26,500 lbs
Rope diameter _____ 26 mm
Drum diameter _____ 23 inch
Rope speed ft/min _____ 0 – 446
Rope capacity in 7 layers _____ 1600 ft
The winches are outstanding in their compact design and easy assembly. Propulsion is via a planetary gearbox in an oil bath.
Load support by the hydraulic system; additional safety factor provided by a spring loaded, multi-disc holding brake.
The main winches use pressure controlled, variable flow hydraulic motors. This system features sensors that automatically adjust oil flow to provide max. winch speed depending on load.
Option – winch with freefall system:
Clutch and braking functions on the freefall system are provided by a compact designed, low wear and maintenance free multi-disc brake.



Crawlers

Propulsion through axial piston motor, hydraulically released spring loaded multi-disc brake, crawler tracks, hydraulic chain tensioning device.
Flat track shoes _____ 47.2 inch
Drive speed _____ 0 – 1 mph



Control

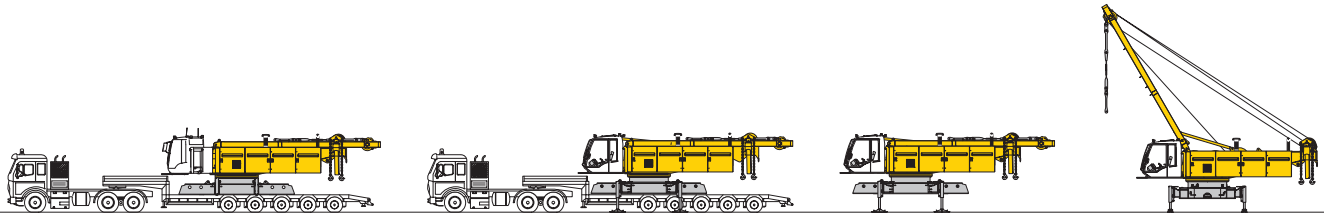
The control system – developed and manufactured by Liebherr – is designed to withstand extreme environmental conditions such as temperature, vibration and electromagnetic interference and to meet all requirements that are needed in heavy duty crane operation.
Complete machine operating data are shown on a high resolution display. Standard operational information is displayed by means of graphical symbols, fault indications are displayed in plain text (more than 15 languages available).
The cranes are equipped with proportional control for all main movements, which can be carried out simultaneously.
The crane is operated with 2 multi-directional joysticks, the right for winch I and boom, the left for winch II and swing control.
Option:
Bi-directional double T-levers for simultaneous boom and luffing jib operation.
The crawlers are activated by the two central foot pedals. Additionally, hand levers can be attached to the pedals.
Remote control for assembly of counterweight and boom hinge pins.



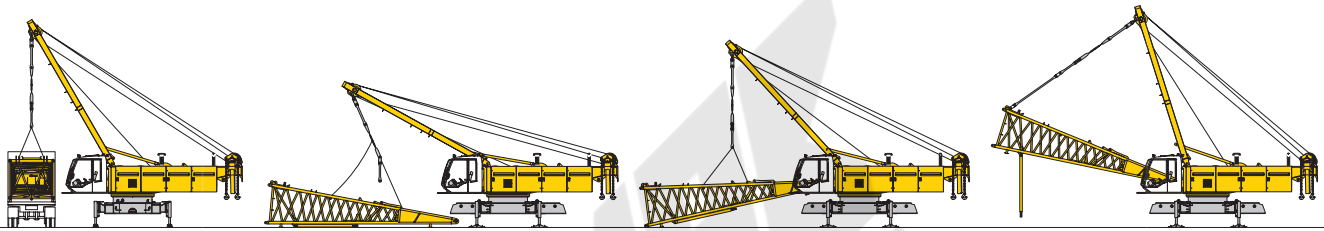
Noise emission

Noise emissions correspond with 2000/14/EC directive on noise emission by equipment used outdoors.

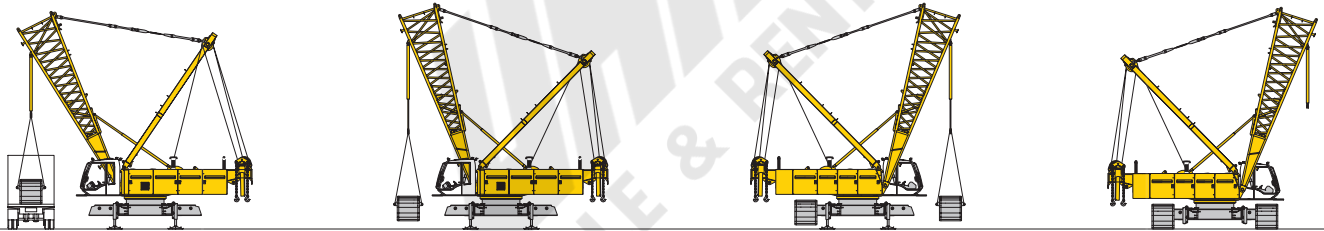
Self assembly system



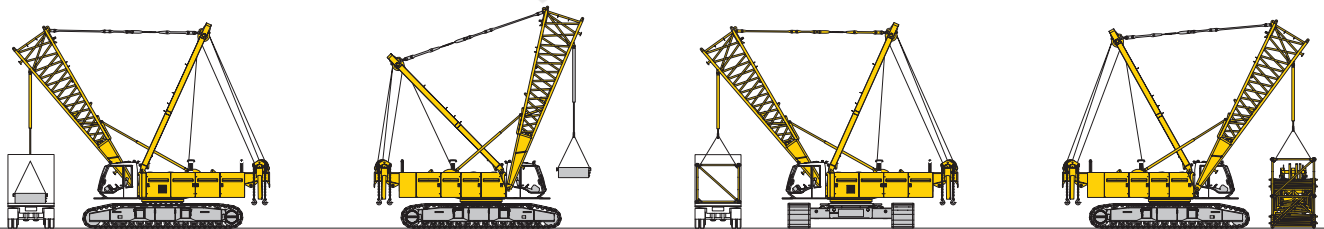
Unloading of basic machine



Unloading and assembly of boom foot

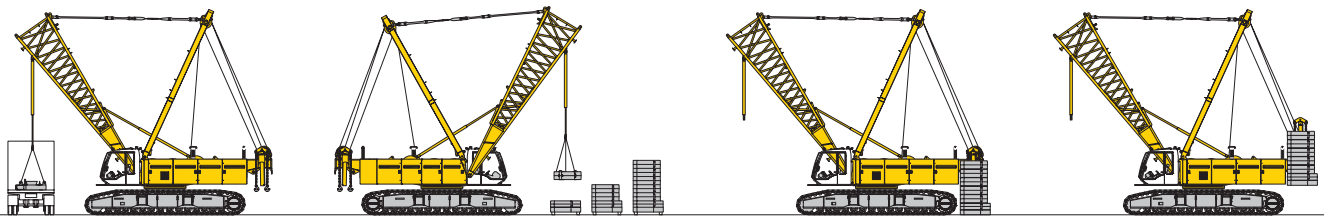


Unloading and assembly of crawlers



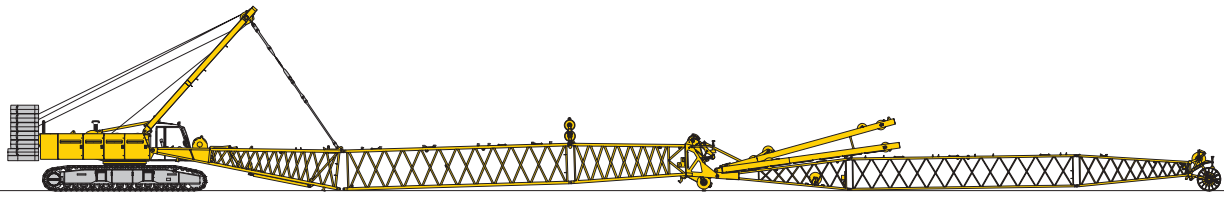
Unloading and assembly of carbody counterweight

Unloading and assembly of boom

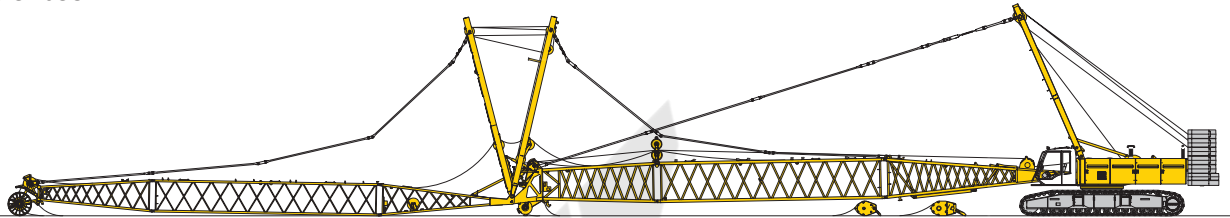


Unloading and assembly of counterweight

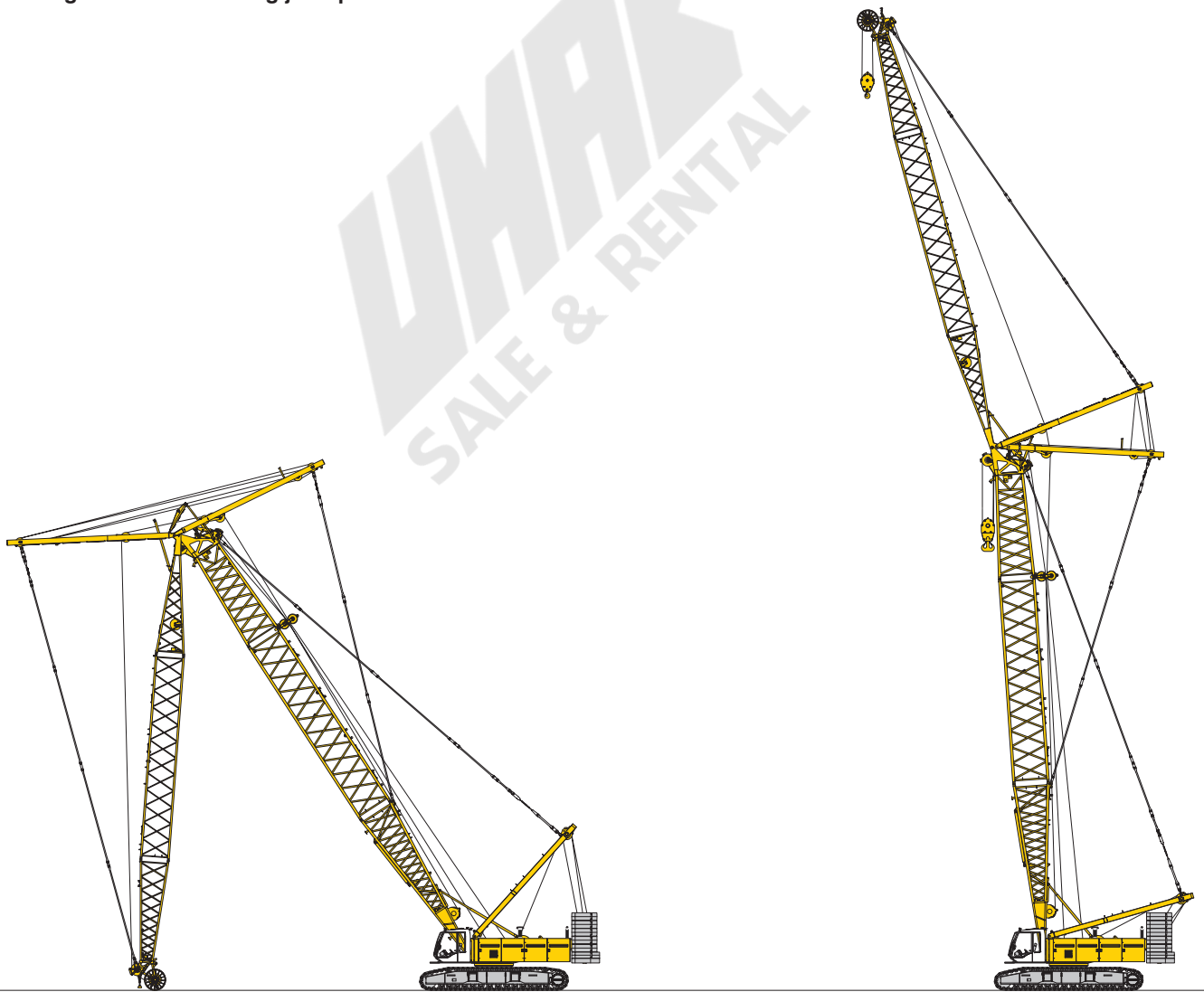
Erecting of main boom to working position



Assembly of boom



Reeving of hoist and luffing jib ropes



Erecting of main boom and luffing jib

Working position

Lift chart for main boom (No. 2320.xx)

178,600 lbs counterweight and 79,400 lbs carbody counterweight

Capacities in 1000 lbs for boom lengths (66 ft – 292 ft) – with 26,500 lbs winches

Radius (ft)	Boom length in (ft)													Radius (ft)
	66	85	105	125	144	164	184	203	223	243	262	282	292	
	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
20.3						209.7								20.3
25				270.3	235.8	199.0	181.2	150.2	121.9					25
30	262.9	263.4	264.0	245.1	214.6	187.9	173.8	146.0	119.9	105.1	88.0	73.0	65.1	30
40	176.5	176.6	176.6	176.3	172.0	164.9	165.6	138.4	113.2	101.4	86.1	71.4	63.7	40
50	129.7	129.8	129.7	129.2	129.1	128.6	125.8	126.5	107.4	97.6	82.9	68.8	61.7	50
60	101.4	101.6	101.6	101.2	100.8	100.3	99.8	99.2	98.7	92.9	80.5	66.5	59.7	60
65	91.0	91.3	91.3	90.9	90.5	90.0	89.5	88.9	88.4	87.7	77.2	65.3	58.9	65
80		69.2	69.3	68.8	68.5	67.9	67.4	66.7	66.2	65.5	64.9	61.0	54.7	80
85		63.6	63.9	63.4	63.1	62.5	62.0	61.3	60.7	60.1	59.4	58.8	53.6	85
100			51.1	50.8	50.4	49.8	49.3	48.6	48.0	47.3	46.7	46.0	45.7	100
105			26.6	47.5	47.1	46.5	46.0	45.3	44.7	44.0	43.4	42.6	42.4	105
110				44.4	44.1	43.5	43.0	42.3	41.7	41.0	40.3	39.6	39.3	110
120				39.2	38.9	38.3	37.8	37.1	36.5	35.8	35.1	34.4	34.1	120
140					30.8	30.3	29.8	29.1	28.5	27.8	27.1	26.4	26.2	140
160						24.4	24.0	23.3	22.7	22.0	21.3	20.6	20.3	160
180							19.3	18.7	18.1	17.4	16.8	16.0	15.7	180
200								15.0	14.5	13.8	13.2	12.4	12.1	200
215									12.2	11.6	10.9	10.2	9.9	215
235										8.9	8.4	7.6	7.3	235
255											6.2	5.5	5.2	255
275												3.6	3.3	275
285													2.5	285

Lift chart for main boom (No. 2320.xx)

156,100 lbs counterweight and 79,400 lbs carbody counterweight

Capacities in 1000 lbs for boom lengths (66 ft – 292 ft) – with 26,500 lbs winches

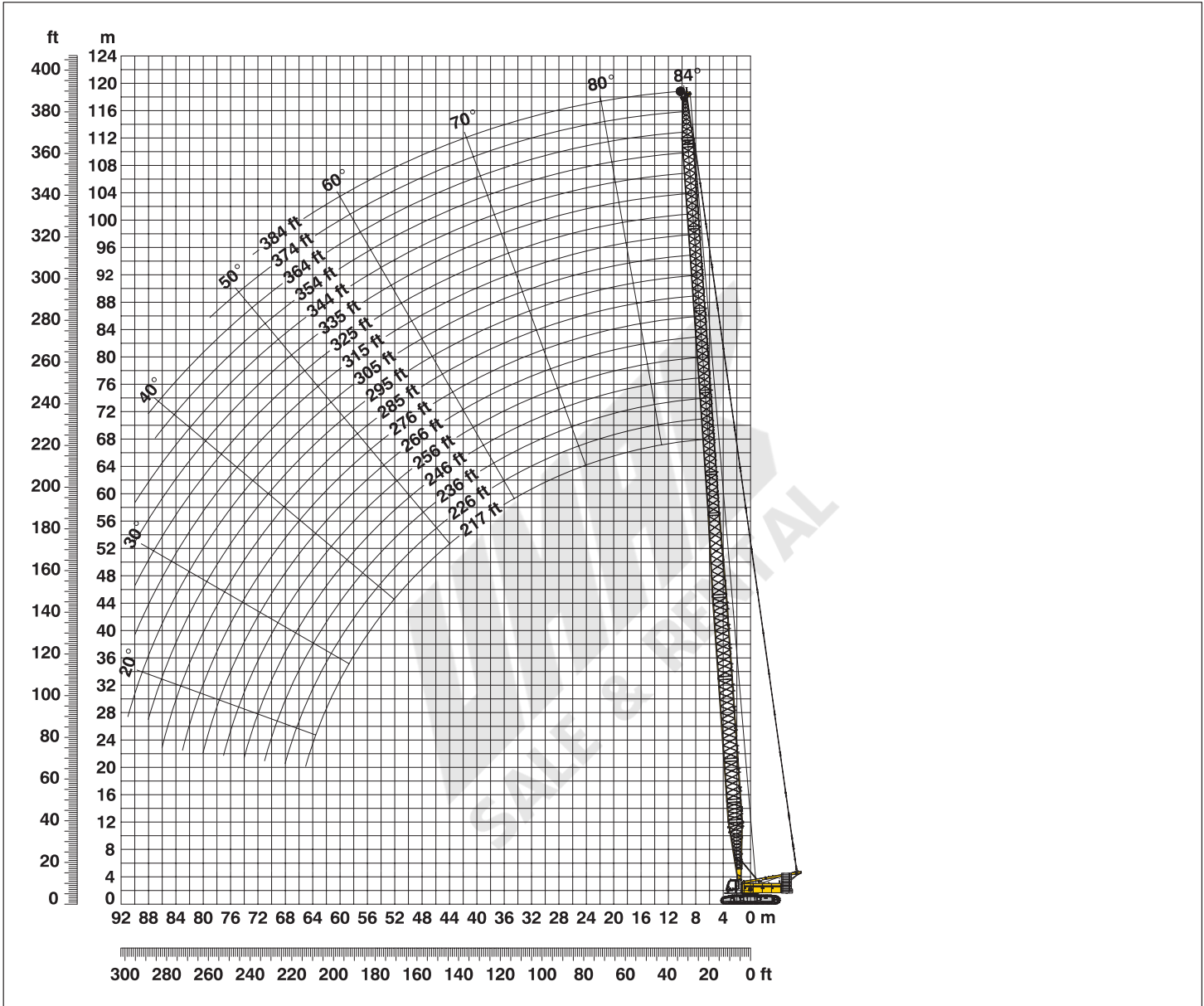
Radius (ft)	Boom length in (ft)													Radius (ft)
	66	85	105	125	144	164	184	203	223	243	262	282	292	
	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
13.4	550.0*													13.4
15	484.9	367.7												15
20	410.1	355.9	341.1	303.0	254.7	209.7								20
25	318.5	333.1	306.8	270.3	235.8	199.0	181.2	150.2	121.9					25
30	247.0	247.2	245.5	245.1	214.6	187.9	173.8	146.0	119.9	105.1	88.0	73.0	65.1	30
40	161.2	161.3	161.4	161.1	160.9	160.5	160.2	138.4	113.2	101.4	86.1	71.4	63.7	40
50	118.2	118.3	118.3	117.9	117.6	117.1	116.7	116.2	107.4	97.6	82.9	68.8	61.7	50
60	92.2	92.4	92.4	92.0	91.7	91.1	90.7	90.1	89.6	89.0	80.5	66.5	59.7	60
65	82.7	83.0	83.0	82.6	82.2	81.6	81.2	80.6	80.0	79.4	77.2	65.3	58.9	65
80		62.6	62.7	62.3	61.9	61.3	60.8	60.2	59.6	59.0	58.4	57.4	54.7	80
85		57.5	57.8	57.3	57.0	56.4	55.9	55.2	54.6	54.0	53.3	52.7	51.2	85
100			46.0	45.7	45.4	44.8	44.2	43.6	43.0	42.3	41.6	40.9	40.6	100
105			26.6	42.6	42.3	41.7	41.2	40.5	39.9	39.2	38.5	37.8	37.6	105
120				35.0	34.7	34.2	33.6	32.9	32.3	31.6	31.0	30.2	30.0	120
140					27.3	26.8	26.4	25.7	25.1	24.4	23.7	23.0	22.7	140
160						21.3	20.9	20.2	19.6	18.9	18.3	17.5	17.2	160
180							16.6	16.0	15.5	14.7	14.1	13.3	13.0	180
200								12.6	12.1	11.4	10.8	10.0	9.7	200
215									10.0	9.3	8.7	7.9	7.7	215
235										6.9	6.3	5.6	5.3	235
255											4.3	3.6	3.3	255
270												2.3	2.0	270

Above lift chart is for reference only. For actual lift duty please refer to lift chart in operator's cab or manual.

*) Requires special boom

L - boom high reach (No.2320 / 1916.xx) **217 ft - 384 ft**

Working range 84° - 15°



L - boom configuration with 141 ft main boom (No. 2320.xx / No. 1916.xx)

Configuration for L - boom lengths (217 ft - 384 ft)

	Length	Amount of boom and luffing jib extensions																	
Boom foot	33 ft	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom insert	10 ft*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom insert	20 ft*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom insert	40 ft*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Tapered	40 ft*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Luffing insert	10 ft*	1		1		1	1	1		1	1		1		1		1		1
Luffing insert	20 ft*		1	1			1	1		1	1		1		1		1		1
Luffing insert	40 ft*				1	1	1	1	2	2	2	3	3	3	3	4	4	4	4
Luffing jib head	26 ft*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Max. L - boom length (ft)		217	226	236	246	256	266	276	285	295	305	315	325	335	344	354	364	374	384

*Actual lengths of boom sections are metric (e.g. 3 m, 6 m, 8 m, 10 m, 12 m). The figures shown above are approximate conversions to feet.

Lift chart for L – boom (No. 2320 /1916.xx)

Main boom length 141 ft

Capacities in 1000 lbs
178,600 lbs counterweight and 79,400 lbs carbody counterweight

Radius (ft)	Boom length in (ft)					
	217	246	295	325	354	384
29.3	129.7					
30	129.6					
35	128.9	92.3				
40	124.2	89.6	58.5			
45	117.9	86.8	56.5	42.5	33.4	
50	105.7	84.4	53.9	40.9	32.2	22.5
60	88.4	79.9	48.9	37.9	29.7	21.2
80	65.2	61.0	41.6	32.4	24.3	18.7
100	49.0	47.5	36.2	28.0	21.5	16.4
120	40.5	39.2	32.0	24.0	19.2	14.6
140	32.6	32.4	28.3	21.5	17.2	12.9
160	26.7	26.6	25.3	19.3	15.4	11.7
170	24.4	24.3	23.4	18.5	14.6	11.0
180	22.3	22.2	21.3	17.2	14.0	10.4
190	20.4	20.3	19.4	16.1	13.3	9.9
200	18.7	18.6	17.7	15.1	12.4	9.5
210	17.1	17.1	16.2	14.4	11.6	8.8
220		15.7	14.8	13.5	10.9	8.2
230		14.4	13.6	12.7	10.4	7.6
240		13.2	12.4	12.0	9.7	7.2
250			11.4	11.0	9.0	6.7
260			10.4	10.0	8.5	6.0
270			9.5	9.1	8.0	5.4
280			8.6	8.3	7.2	4.9
285			8.2	7.9	6.7	4.7
290				7.5	6.2	4.5
300				6.6	5.2	3.9
310				5.7	4.3	3.2
315				5.3	3.9	2.8
320					3.5	2.5
330					2.7	
335					2.3	

Main boom length 180 ft

Capacities in 1000 lbs
178,600 lbs counterweight and 79,400 lbs carbody counterweight

Radius (ft)	Boom length in (ft)					
	256	295	315	335	354	374
33.5	96.0					
35	95.2					
40	92.9	66.5	57.5			
45	89.8	64.8	56.9	46.4	39.4	
50	87.7	62.8	55.5	45.3	38.2	32.0
60	82.6	59.7	51.4	41.9	35.5	29.8
80	63.7	53.6	45.4	36.5	30.9	24.7
100	47.4	47.2	40.6	32.1	27.3	21.9
120	38.9	37.5	34.7	28.7	23.7	19.9
140	31.2	29.9	29.1	25.5	21.4	17.8
150	28.0	27.1	24.5	23.6	20.5	17.0
160	25.4	25.0	23.6	22.1	19.2	16.2
170	23.0	22.6	22.2	20.9	18.1	15.3
180	20.9	20.5	20.1	19.5	17.2	14.6
190	19.0	18.6	18.2	18.0	16.3	13.9
200	17.4	16.9	16.5	16.3	15.0	13.2
210	15.8	15.4	15.0	14.8	13.9	12.1
220	14.5	14.0	13.6	13.4	12.9	11.2
230	13.2	12.8	12.4	12.2	11.8	10.5
240	12.0	11.6	11.2	11.0	10.6	9.8
250	10.9	10.5	10.2	10.0	9.3	8.5
260		9.6	9.2	9.0	8.2	7.2
270		8.7	8.2	7.9	7.2	6.0
280		7.7	7.2	6.8	6.2	5.0
285		7.2	6.8	6.4	5.6	4.6
290			6.3	5.9	5.1	4.2
300			5.4	5.1	4.1	3.4
305			4.9	4.7	3.7	3.0
310				4.3	3.3	2.6
320				3.4	2.6	2.3
325				3.0	2.3	
330					2.1	

Above lift chart is for reference only. For actual lift duty please refer to lift chart in operator's cab or manual.

L – boom configuration with 180 ft main boom (No. 2320.xx / No. 1916.xx)

Configuration for L – boom lengths (256 ft – 374 ft)

Length	Amount of boom and luffing jib extensions													
	256	266	276	285	295	305	315	325	335	344	354	364	374	
Boom foot	33 ft	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom insert	10 ft*	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom insert	20 ft*	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom insert	40 ft*	3	3	3	3	3	3	3	3	3	3	3	3	3
Tapered	40 ft*	1	1	1	1	1	1	1	1	1	1	1	1	1
Luffing insert	10 ft*	1		1		1		1		1		1		1
Luffing insert	20 ft*		1	1		1		1		1		1		1
Luffing insert	40 ft*			1	1	1	1	1	2	2	2	3	3	3
Luffing jib head	26 ft*	1	1	1	1	1	1	1	1	1	1	1	1	1
Max. L – boom length (ft)		256	266	276	285	295	305	315	325	335	344	354	364	374

*Actual lengths of boom sections are metric (e.g. 3 m, 6 m, 8 m, 10 m, 12 m). The figures shown above are approximate conversions to feet.

Lift chart – tower crane (No. 1916.xx)

Main boom angle 88°

Main boom 66 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
31.8	lbs	155.8						
35	155.8	153.3						
40	154.6	143.0	102.9					
50	122.2	119.9	95.8	72.4				
55	115.2	110.6	90.9	70.7	53.0			
65	96.3	89.5	81.5	67.4	51.9	41.0		
70	69.7	82.2	74.4	65.9	51.0	40.1	27.9	
80		71.2	68.0	60.9	48.8	38.5	26.8	17.2
100		45.0	51.5	49.8	45.3	35.6	23.6	15.9
140			26.6	33.5	31.9	28.9	20.4	13.3
175				21.6	25.0	24.0	18.1	11.5
205					16.9	19.3	16.1	10.1
235						12.1	14.2	8.7
270							8.1	7.3
280								6.4
310								3.6

Main boom 115 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
27.4	155.8							
35	140.4	123.4						
45	119.3	107.1	79.1					
50	109.2	100.3	79.1	53.0				
60	94.5	88.9	76.3	53.0	44.8			
65	88.5	83.2	73.3	53.0	44.2	34.3		
75	74.3	74.5	66.8	53.0	43.2	33.5	23.6	
80		70.4	64.2	52.0	42.7	33.2	23.2	15.5
100		57.3	54.2	47.9	40.4	31.6	21.5	15.0
140			37.7	36.7	33.5	28.0	18.8	12.6
180				25.7	24.8	23.7	16.7	10.7
205					21.4	21.3	15.7	9.7
235						16.4	14.6	8.5
275							10.6	7.1
280								7.0
310								5.8

Main boom 144 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
28.4	126.7							
35	119.6	100.4						
45	107.1	93.2	71.3					
55	95.8	85.2	68.6	49.8				
60	91.3	82.1	67.0	49.0	38.4			
65	87.0	76.3	65.3	48.4	38.0	30.1		
75	75.9	72.1	61.1	46.9	37.0	29.6	21.1	
80		69.2	59.6	46.2	36.5	29.3	21.0	14.4
100		59.0	52.1	43.1	34.5	27.9	19.9	13.5
140			38.5	35.9	30.6	24.6	17.7	11.5
180				27.1	24.8	21.9	15.9	9.9
205					21.5	20.2	15.0	9.0
235						16.5	14.0	7.9
275							11.1	6.7
300								6.0
310								5.7

Main boom 174 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
29.4	100.3							
40	92.1	77.3						
45	87.6	74.9	53.0					
55	80.8	69.5	52.8	41.2				
60	77.4	67.3	52.2	40.6	32.8			
65	74.7	65.0	51.7	40.0	32.5	25.8		
75	70.9	60.9	49.7	38.7	31.6	25.0	18.2	
85		57.4	47.6	37.3	30.7	24.4	17.9	12.2
100		53.5	44.1	35.4	29.2	23.5	17.3	11.8
140			37.0	30.1	23.3	21.0	15.5	10.3
180				26.7	20.4	18.6	14.0	8.9
205					19.2	17.2	13.2	8.2
235						15.9	12.2	7.3
275							10.9	6.2
300								5.5
310								5.3

Main boom 184 ft

Radius (ft)	Jib length in (ft)							
	66	95	115	135	174	203	233	262
29.8	97.8							
40	90.5	74.5	63.9					
45	86.7	72.4	63.0	53.0				
55	79.7	68.0	60.1	51.0	38.4			
60	76.3	66.1	58.5	49.7	38.2	30.0		
65	73.1	63.9	56.9	48.8	37.9	29.9	25.0	
75	68.3	59.9	53.9	46.9	36.9	29.7	24.2	19.5
100		51.0	46.5	42.0	33.9	28.1	22.7	18.5
120			42.4	38.0	31.0	25.8	21.4	17.6
140				35.4	28.6	23.3	20.2	16.7
180					22.3	19.7	17.9	15.0
205						18.4	16.6	13.9
220							16.0	13.2
235							15.5	12.6
240								12.5
265								11.9

Main boom 194 ft

Radius (ft)	Jib length in (ft)						
	66	95	115	135	174	203	
30.1	87.3						
40	81.1	66.8					
45	76.7	65.0	53.0	49.0			
55	71.7	61.3	51.9	47.5	36.3		
60	69.4	59.5	51.2	46.3	35.8	29.1	
65	67.0	57.6	50.4	45.5	35.3	28.9	
75	63.7	54.2	48.5	43.2	34.0	28.1	
80		51.5	47.0	42.4	33.5	27.6	
100		47.9	42.5	38.4	31.1	25.7	
120			39.5	34.9	28.5	24.1	
140				32.7	24.0	22.4	
160					22.4	20.4	
180					20.8	18.4	
190						17.8	
200						17.4	
205						17.2	

Capacities in 1000 lbs with luffing jib (No. 1916.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart - luffing jib (No. 1916.xx)

Main boom angle 83°

Main boom 66 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
37	155.8							
50	136.6	136.1						
60	108.4	107.9	92.9					
70	89.5	89.1	84.5	67.4				
75	82.1	81.9	79.7	66.3				
80		75.7	74.4	64.4	50.0			
90		65.6	64.8	60.4	48.1	37.8		
100		57.6	57.0	56.1	46.3	36.4	24.0	
105		47.7	53.7	50.8	45.5	35.8	23.7	
110			49.3	48.1	44.8	35.0	23.2	15.9
140			35.5	36.6	34.8	30.7	20.7	13.7
180				22.9	25.8	24.1	18.2	11.6
210					18.5	20.0	16.4	10.2
235						14.6	15.0	9.1
275							9.2	7.5
315								4.6

Main boom 115 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
43	144.1							
55	118.8	109.5						
65	96.4	95.0	78.9					
75	80.8	80.3	75.5	53.0				
85	69.1	68.9	68.1	53.0	44.0			
95		60.2	59.4	51.9	43.0	33.2		
105		53.3	52.5	50.5	41.7	32.4	21.6	
110		50.3	49.6	48.6	41.0	32.0	21.5	
115			46.9	46.0	40.4	31.5	21.2	14.3
150			33.6	32.8	32.1	28.4	18.8	12.3
190				23.9	23.3	22.5	16.8	10.6
215					19.4	18.7	15.8	9.7
245						15.2	14.3	8.5
285							10.7	7.3
300								6.7
320								6.0

Main boom 144 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
46.6	114.5							
60	100.9	90.3						
70	86.8	83.3	68.9					
80	73.6	73.1	65.2	49.5				
85	68.3	67.9	62.9	49.2				
90		63.4	61.1	48.6	38.0			
100		55.7	54.9	46.9	37.4	29.5		
110		49.6	48.8	45.4	36.5	29.0	19.9	
115		26.6	46.2	44.4	36.0	28.7	19.8	
120			43.8	42.8	35.6	28.4	19.5	12.8
150			33.0	32.2	31.5	25.7	17.8	11.6
190				23.4	22.8	22.0	16.0	10.0
220					18.4	17.6	15.0	9.0
245						14.8	13.9	8.1
285							10.4	6.9
325								5.8

Main boom 174 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
50.2	92.2							
60	85.7	73.6						
85	67.3	62.7	51.8	40.3				
90	62.7	61.0	50.5	39.8				
95		58.3	49.5	39.1	32.2			
100		54.8	48.2	38.5	31.8	25.3		
115		46.1	44.8	37.1	30.5	24.1	17.2	
120		43.7	43.0	36.3	30.1	23.8	17.1	
125			40.8	35.5	29.8	23.4	16.9	11.2
160			26.6	28.9	26.9	21.2	15.4	10.1
195				22.1	21.1	19.3	14.2	9.0
225					17.3	16.6	13.2	8.2
250						13.9	12.5	7.4
290							9.6	6.3
320								5.6
330								5.3

Main boom 184 ft

Radius (ft)	Jib length in (ft)							
	66	95	115	135	174	203	233	262
	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
51.4	91.0							
65	82.6	70.8						
70	77.3	68.7	61.6					
75	75.3	66.5	60.1	52.3				
85	66.9	61.8	57.0	50.6	38.4			
95	26.6	57.7	53.4	48.6	37.7	30.9		
105		51.3	50.1	45.9	36.7	30.3	23.9	
110		48.4	48.0	44.6	36.2	30.0	23.7	18.9
120		43.4	43.1	42.4	35.1	29.0	23.1	18.4
140			35.4	35.2	32.5	27.4	21.9	17.4
160				29.5	28.7	25.4	20.6	16.7
180					24.0	22.2	19.6	15.8
195					21.9	20.1	18.5	15.3
225						17.1	16.4	13.9
255							13.3	12.6
285								10.1

Main boom 194 ft

Radius (ft)	Jib length in (ft)						
	66	95	115	135	174	203	
	lbs	lbs	lbs	lbs	lbs	lbs	
52.6	80.7						
65	73.9	64.0					
70	71.1	62.2	52.8				
75	69.0	60.0	52.7	46.8			
85	64.8	56.5	50.9	45.8	35.3		
95	57.9	53.6	48.4	44.1	34.4	28.4	
100		51.2	47.2	43.3	33.8	28.1	
120		43.2	42.8	39.4	31.8	26.0	
130			38.7	37.4	30.8	25.6	
140			35.2	34.9	29.9	24.9	
150				31.9	28.8	24.2	
160				29.3	27.7	23.7	
180					22.6	20.9	
200					20.9	18.5	
220						17.5	
225						17.0	

Capacities in 1000 lbs with luffing jib (No. 1916.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart – luffing jib (No. 1916.xx)

Main boom angle 75°

Main boom 66 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
54.7	117.7							
70	86.5	85.9						
85	68.1	67.7	66.8					
105		52.3	51.5	50.5				
115		26.6	46.1	45.1	44.3			
130			39.5	38.6	37.9	33.4		
145			34.4	33.5	32.8	31.8	20.6	
150			32.9	32.1	31.4	30.5	20.4	
160				29.5	28.8	27.9	19.7	12.8
190				23.4	22.8	21.9	18.0	11.6
220					18.3	17.6	16.4	10.1
245						14.7	13.8	9.0
260							12.4	8.4
285							10.3	7.5
300								6.7
320								5.6

Main boom 115 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
67.5	86.1							
80	69.9	69.1						
100	53.1	52.6	51.5					
115		44.3	43.3	42.2				
130		26.6	37.2	36.1	35.3			
140			33.8	32.8	32.0	29.9		
155			29.7	28.7	27.9	26.9	19.3	
165			27.3	26.4	25.7	24.7	18.5	
175				24.4	23.7	22.7	18.0	11.5
200				20.2	19.5	18.6	16.8	10.7
205				19.5	18.8	17.9	16.6	10.5
230					15.7	14.9	13.9	9.5
260							12.0	8.5
300							8.1	7.1
320								6.0
335								5.2

Main boom 144 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
75.1	72.7							
90	58.3	57.4						
105	48.2	47.5	46.3					
125		38.3	37.3	36.1				
135		34.7	33.8	32.6	31.8			
150			29.5	28.4	27.6	25.9		
165			26.1	25.0	24.3	23.3	17.4	
175			24.1	23.1	22.3	21.4	17.2	
180				22.2	21.5	20.5	17.0	10.9
210				17.7	17.1	16.2	15.0	9.9
240					13.8	12.9	11.8	8.9
265						10.8	9.7	8.1
280							8.6	7.2
305							7.0	5.8
320								5.1
345								4.0

Main boom 174 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
82.7	61.7							
100	49.0	48.1						
115	26.6	40.5	39.2					
130		34.7	33.6	32.3				
140		31.6	30.6	29.3				
145			29.2	28.0	27.1			
155			26.8	25.6	24.8	21.8		
175			22.8	21.7	20.9	19.6	14.7	
180			21.9	20.8	20.1	18.8	14.7	
190				19.3	18.5	17.4	14.4	9.1
215				16.0	15.3	14.3	12.4	8.7
245					12.3	11.4	9.8	7.8
275						9.1	7.8	5.9
310							5.9	4.1
320								3.7
350								2.6

Main boom 184 ft

Radius (ft)	Jib length in (ft)							
	66	95	115	135	174	203	233	262
85.3	58.5							
100	48.1	47.2						
110	42.8	42.0	41.3					
115	40.5	39.7	39.0	38.4				
135		32.5	31.9	31.4	30.1			
145		29.6	29.1	28.6	27.4	26.3		
160			25.6	25.2	24.0	23.1	20.9	
165			24.5	24.1	23.0	22.2	20.3	
170				23.2	22.1	21.2	19.5	15.9
185				20.6	19.6	18.8	17.3	15.6
220					15.0	14.3	13.3	11.8
250						11.5	10.6	9.4
280							8.4	7.5
305								6.2

Main boom 194 ft

Radius (ft)	Jib length in (ft)					
	66	95	115	135	174	203
87.8	55.4					
105	44.6	43.6				
110	42.1	41.2	40.4			
120	37.6	36.9	36.3	35.7		
135		31.9	31.2	30.7	29.4	
150		26.6	27.3	26.8	25.6	24.2
160			25.1	24.6	23.4	22.2
170			23.0	22.7	21.5	20.5
180				20.9	19.8	19.0
185				20.1	19.1	18.3
200					17.0	16.2
225					14.1	13.4
240						12.0
255						10.7

Capacities in 1000 lbs with luffing jib (No. 1916.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart - luffing jib (No. 1916.xx)

Main boom angle 65°

Main boom 66 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
75.4	75.7							
95	57.0	56.5						
115		44.7	43.7					
125		40.2	39.4					
140			34.1	33.1				
155			29.9	29.0	28.2			
165			26.6	26.6	26.0			
175				24.6	23.9	23.0		
195				21.2	20.5	19.6	18.0	
200				20.4	19.8	18.9	17.7	
220					17.1	16.3	15.2	10.3
230					15.9	15.1	14.1	10.0
260						12.2	11.2	8.9
295							8.6	7.6
320								6.1
335								5.3

Main boom 115 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
96.2	51.1							
115	41.0	40.2						
120	26.6	38.2						
140		31.4	30.3					
145		30.0	29.0					
160			25.5	24.3				
180			21.7	20.7	19.8			
185			20.9	19.9	19.1			
195				18.4	17.6	16.6		
215				15.9	15.1	14.2	12.9	
225				14.8	14.1	13.1	11.9	
240					12.6	11.7	10.5	8.9
250					11.7	10.8	9.7	8.1
280						8.6	7.5	6.1
320							5.3	4.1
355								2.6

Main boom 144 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
108.7	40.8							
130	32.6	31.8						
150		26.5	25.3					
160		24.3	23.2					
175			20.5	19.3				
190			18.3	17.1	16.2			
200			16.9	15.8	15.0			
205				15.2	14.4	13.3		
230				12.6	11.9	10.8	9.1	
235				12.2	11.4	10.4	8.7	
250					10.2	9.2	7.6	5.6
265					9.1	8.2	6.7	4.7
295						6.3	5.0	3.2
320							4.0	2.1
330							3.5	

Main boom 174 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
121.2	32.6							
140	27.1	26.2						
165		21.0	19.8					
170		20.2	19.0					
185			16.8	15.5				
205			14.4	13.2	12.3			
210			13.8	12.7	11.8			
220				11.7	10.9	9.1		
240				10.1	9.3	7.7	5.6	
245				9.7	8.9	7.4	5.3	
265					7.6	6.2	4.2	2.2
275					6.9	5.7	3.7	
300						4.6	2.7	
305						4.4	2.5	
315							2.1	

Main boom 184 ft

Radius (ft)	Jib length in (ft)							
	66	95	115	135	174	203	233	262
125.3	30.1							
145	24.9	24.0						
150	23.8	22.9						
155		22.0	21.2					
165		20.2	19.5	18.8				
175		18.5	17.9	17.4				
190			15.9	15.4	14.1			
195			15.3	14.8	13.5			
205				13.7	12.5	11.1		
215				12.7	11.5	10.3		
225					10.6	9.5	7.7	
240					9.4	8.5	6.8	5.3
250					8.7	7.9	6.2	4.8
280						6.1	4.7	3.3
310							3.5	2.1

Main boom 194 ft

Radius (ft)	Jib length in (ft)						
	66	95	115	135	174	203	
129.5	27.8						
150	22.9	22.0					
160		20.2	19.4				
170		18.5	17.8	17.2			
180		17.0	16.4	15.9			
195			14.6	14.1	12.5		
200			14.0	13.5	12.1		
210				12.5	11.2	9.7	
215				12.0	10.8	9.3	
220					10.4	8.9	
240					8.8	7.6	
255					7.8	6.7	
260						6.5	
280						5.5	
285						5.3	

Capacities in 1000 lbs with luffing jib (No. 1916.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart – luffing jib (No. 1916.xx)

Main boom angle 45°

Main boom 66 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
109.8	44.0							
115	41.5							
134		33.7						
145		26.6						
170			23.9					
180			22.1					
200				18.1				
220				15.6				
225					14.4			
250					12.0			
275						11.1		
280						9.2		
315							7.8	
355							5.7	4.7
								2.8

Main boom 115 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	
144.6	25.7							
150	24.5							
170		19.9						
180		18.3						
205			14.1					
215			13.1					
235				10.1				
255				8.7				
260					7.6			
280					6.4			
290						4.9		
310						3.9		
315							2.3	
320							2.1	

Main boom 144 ft

Radius (ft)	Jib length in (ft)				
	66	95	135	174	203
165.5	18.0				
170	17.3				
190		13.8			
200		12.8			
225			9.4		
235			8.7		
255				6.1	
275				5.1	
280					4.0
305					3.0

Main boom 174 ft

Radius (ft)	Jib length in (ft)							
	66	95	135	174	203	233	272	312
186.4	11.9							
190	11.5							
215		8.4						
220		8.1						
245			5.3					
250			5.0					
255			4.8					
260			4.5					
280				2.1				
0								

Main boom 184 ft

Radius (ft)	Jib length in (ft)			
	66	95	115	135
193.3	10.0			
200	9.4			
220		7.0		
225		6.7		
235			5.4	
245			4.8	
250				4.0
265				3.4

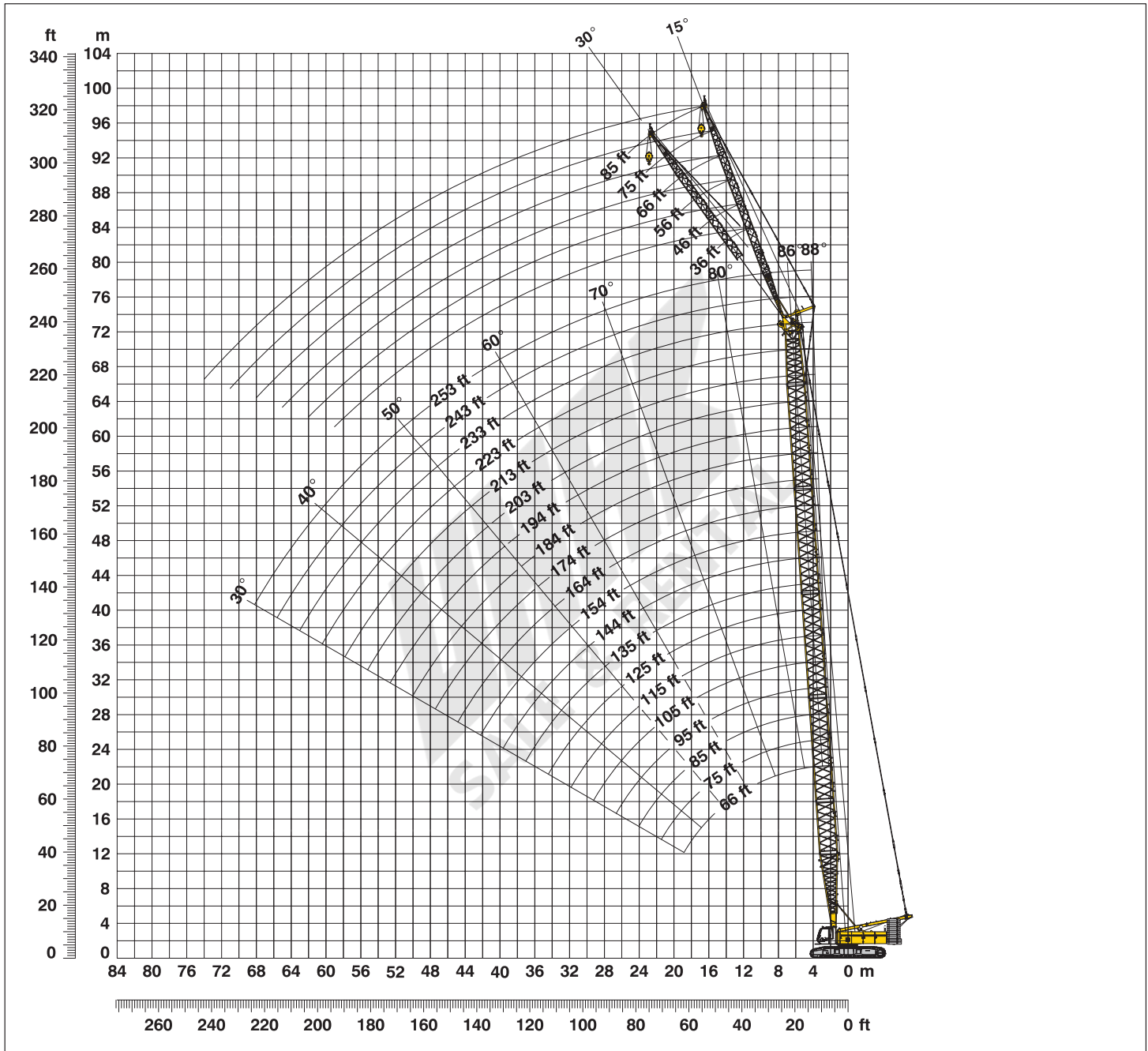
Main boom 194 ft

Radius (ft)	Jib length in (ft)					
	66	95	115	135	174	203
200.3	8.3					
205	8.0					
225		5.6				
235		5.1				
245			3.8			
255			3.4			
260				2.4		
270				2.0		

Capacities in 1000 lbs with luffing jib (No. 1916.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Working range - fixed jib (No. 1008.xx) 15° and 30°

Main boom 88°- 30°



Boom configuration for boom lengths (66 ft - 253 ft) – see table 1 on page 10

Fixed jib configuration for fixed jib lengths (36 ft - 85 ft)

	Length	Amount of fixed jib extensions					
Fixed jib foot	18 ft	1	1	1	1	1	1
Fixed jib insert	10 ft*		1		1		1
Fixed jib insert	20 ft*			1	1	2	2
Fixed jib head	18 ft	1	1	1	1	1	1
Fixed jib length (ft)		36	46	56	66	75	85

*Actual lengths of boom sections are metric (e.g. 3 m, 6 m). The figures shown above are approximate conversions to feet.

Lift chart - fixed jib (No. 1008.xx)

Offset 15°

Main boom 66 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
	lbs	lbs	lbs	lbs
30	79.1			
35	79.1	77.4		
40	79.1	75.1	66.3	51.2
50	78.9	69.2	58.0	47.5
60	77.9	64.2	49.3	41.3
70	71.7	60.0	45.4	36.3
80	63.4	53.8	40.2	32.6
90	57.5	49.4	36.4	29.1
95	55.0	47.6	34.6	27.7
105		43.6	31.6	26.2
125			27.4	22.5
145				19.8

Main boom 95 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
	lbs	lbs	lbs	lbs
30	79.1	79.1		
35	79.1	79.1	68.8	
40	79.1	77.1	67.1	50.7
60	78.9	68.4	55.1	43.5
80	69.8	60.7	45.2	35.2
90	59.6	57.0	40.9	32.3
100	51.6	50.5	37.6	29.5
110	45.2	45.8	34.8	27.2
120	39.8	40.5	32.3	26.3
130		36.0	30.4	24.5
150			27.3	21.9
170				19.7

Main boom 125 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
	lbs	lbs	lbs	lbs
25	79.1	79.1		
35	79.1	79.1	69.4	
40	79.1	79.1	68.5	49.5
60	79.1	72.2	58.7	44.9
80	68.7	65.7	48.5	37.7
100	50.5	51.1	42.3	32.1
120	38.8	39.4	36.9	27.7
140	30.6	31.1	32.2	25.5
150	26.6	27.9	28.9	24.1
160		25.1	26.1	22.8
180			21.3	20.9
200				18.2

Main boom 154 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
	lbs	lbs	lbs	lbs
21.6	79.1			
30	79.1	79.1		
40	79.1	78.5	66.4	
45	79.1	78.1	65.1	47.5
80	67.8	67.5	50.4	39.3
120	37.8	38.4	39.2	29.9
140	29.7	30.2	31.2	26.6
160	23.8	24.2	25.2	25.0
170	21.3	21.7	22.6	23.4
180		19.5	20.4	21.1
200			16.6	17.3
220				14.1

Main boom 184 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
	lbs	lbs	lbs	lbs
22.6	79.1			
30	79.1	78.9		
35	79.1	78.3	65.2	
45	79.1	76.9	63.7	45.7
80	66.8	67.7	54.2	39.7
120	36.7	37.3	38.5	31.5
160	22.7	23.2	24.1	24.9
180	18.0	18.5	19.3	20.1
200	14.3	14.7	15.6	16.3
205		13.9	14.7	15.4
225			11.7	12.4
245				9.9

Main boom 203 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
	lbs	lbs	lbs	lbs
23.3	79.1			
30	79.1	77.0		
35	79.1	76.6	62.0	
45	79.1	75.4	61.0	44.0
60	79.1	73.2	58.4	42.4
100	47.7	48.4	48.1	36.4
140	27.8	28.3	29.4	29.2
180	17.3	17.7	18.6	19.3
215	11.2	11.6	12.4	13.1
225		10.2	11.0	11.7
245			8.5	9.2
265				7.0

Main boom 223 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
	lbs	lbs	lbs	lbs
24	79.1			
30	79.1	74.7		
40	78.5	73.5	58.5	
45	77.9	72.3	57.7	42.1
80	65.6	65.0	50.4	38.8
120	35.3	35.9	37.1	32.9
160	21.2	21.7	22.7	23.5
200	12.9	13.3	14.1	14.8
235	7.9	8.3	9.1	9.7
245		7.1	7.9	8.5
265			5.7	6.4
285				4.5

Main boom 243 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	56	66
	lbs	lbs	lbs	lbs
24.7	75.0			
30	74.7	68.1		
35	73.1	67.7	61.3	
40	71.8	66.7	60.9	53.9
120	34.5	35.2	35.9	36.4
160	20.4	20.9	21.5	21.9
200	12.1	12.5	13.0	13.4
240	6.6	6.9	7.4	7.7
250	5.5	5.8	6.2	6.6
260		4.8	5.2	5.5
270			4.2	4.5
280				3.6

Main boom 253 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46		
	lbs	lbs		
25	70.1			
30	70.0	63.0		
40	66.9	61.8		
80	57.9	53.3		
120	34.2	34.9		
160	20.1	20.6		
180	15.5	15.9		
200	11.8	12.2		
220	8.8	9.2		
240	6.3	6.7		
255	4.7	5.0		
265		4.0		

Capacities in 1000 lbs with fixed jib (No. 1008.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart - fixed jib (No. 1008.xx)

Offset 30°

Main boom 66 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
40	74.4	62.0		
50	65.4	55.0	40.7	
60	58.3	49.6	36.0	28.9
70	53.0	45.4	32.4	26.6
80	49.5	41.6	29.7	24.8
90	46.9	38.5	27.3	22.6
100	26.6	36.4	26.4	20.8
110		26.6	24.9	19.3
120			23.9	18.1
130			23.2	17.1
140				16.4
150				16.0

Main boom 95 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
35	79.1			
40	78.8	62.8		
50	70.9	58.0	41.3	
60	63.8	52.2	37.6	29.3
80	54.2	45.8	31.6	25.5
90	51.5	42.6	29.6	24.1
100	48.9	40.2	27.6	22.2
110	45.6	38.0	26.6	20.9
120	40.1	36.5	25.8	19.6
130		35.4	24.7	18.6
150			23.4	16.9
170				16.2

Main boom 125 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
30	79.1			
40	79.1	64.9		
50	74.1	62.0	42.7	
60	68.3	56.6	39.1	29.2
80	58.9	49.8	34.0	26.3
100	51.2	44.5	30.1	23.5
120	39.3	40.0	27.0	20.9
140	30.9	31.6	25.6	18.9
150	27.5	28.2	25.0	18.1
160		25.3	24.4	17.4
180			21.5	16.4
200				16.0

Main boom 154 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
30.3	79.1			
40	78.9	63.7		
50	77.2	60.8	42.0	
65	69.1	55.0	37.7	28.5
80	62.3	50.6	34.3	26.6
120	38.5	39.3	28.0	21.5
140	30.1	30.8	26.6	19.6
160	24.1	24.7	25.2	18.2
175	20.3	20.9	22.0	17.2
185		18.7	19.8	16.7
205			15.9	16.0
225				13.6

Main boom 184 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
31.3	79.1			
40	79.1	65.3		
50	77.6	63.1	42.3	
65	70.8	58.1	39.0	28.7
80	64.8	53.4	35.7	26.6
120	37.5	38.4	29.7	22.6
160	23.1	23.7	25.0	19.2
180	18.3	18.9	20.0	18.1
200	14.5	15.0	16.0	17.0
210		13.3	14.3	15.2
230			11.2	12.2
250				9.5

Main boom 203 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
32	79.1			
40	79.1	64.9		
55	76.2	61.6	41.6	
65	71.7	58.8	39.2	28.5
100	48.9	49.1	33.1	25.1
140	28.5	29.2	28.2	21.2
180	17.7	18.2	19.4	18.6
200	13.8	14.3	15.4	16.4
215	11.4	11.9	12.9	13.8
225		10.4	11.4	12.3
245			8.7	9.6
265				7.2

Main boom 223 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	85
32.7	76.5			
40	76.2	62.4		
55	72.1	59.8	41.6	
65	68.6	57.1	39.4	28.2
100	48.4	48.3	33.5	25.4
140	27.9	28.6	28.8	21.6
180	17.0	17.6	18.8	19.0
220	10.1	10.6	11.6	12.5
235	8.1	8.5	9.5	10.3
245		7.3	8.2	9.0
265			5.9	6.7
285				4.6

Main boom 243 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	56	66
33.4	68.9			
40	68.6	58.4		
50	66.7	57.3	49.4	
55	65.1	56.4	48.1	41.2
100	47.7	46.3	39.4	33.8
140	27.2	28.0	28.8	29.3
180	16.3	16.9	17.6	18.1
220	9.4	9.9	10.4	10.9
250	5.6	6.0	6.5	6.9
260		4.9	5.4	5.8
270			4.4	4.7
280				3.7

Main boom 253 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46		
33.7	65.6			
40	65.4	55.8		
60	60.8	52.0		
100	47.5	44.9		
140	26.9	27.7		
160	20.8	21.5		
180	16.1	16.7		
200	12.2	12.8		
220	9.1	9.6		
240	6.5	7.0		
260	4.3	4.7		
270		3.7		

Capacities in 1000 lbs with fixed jib (No. 1008.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Notice

