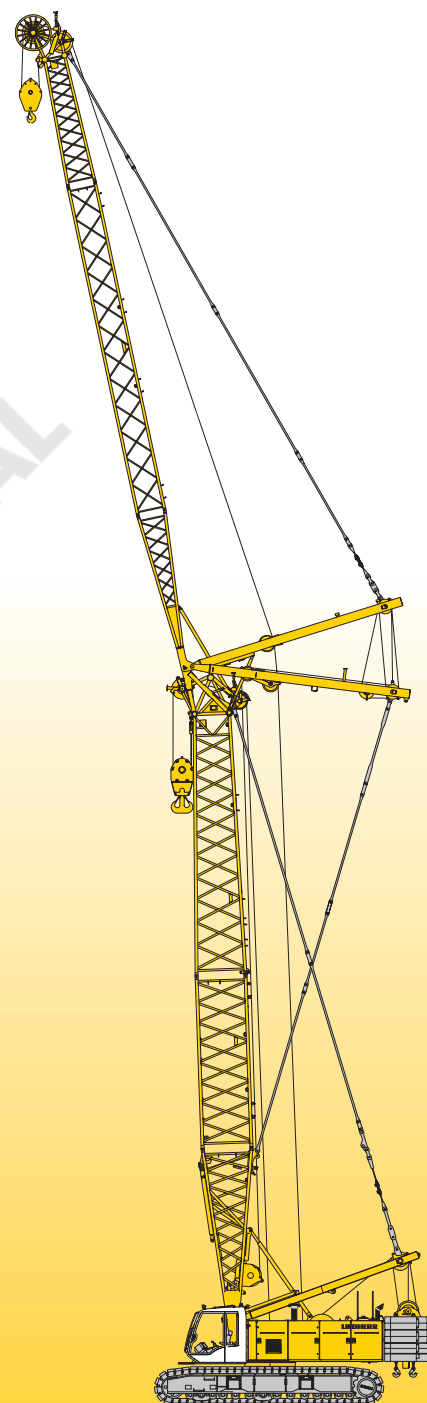


Technische Daten Raupenkran

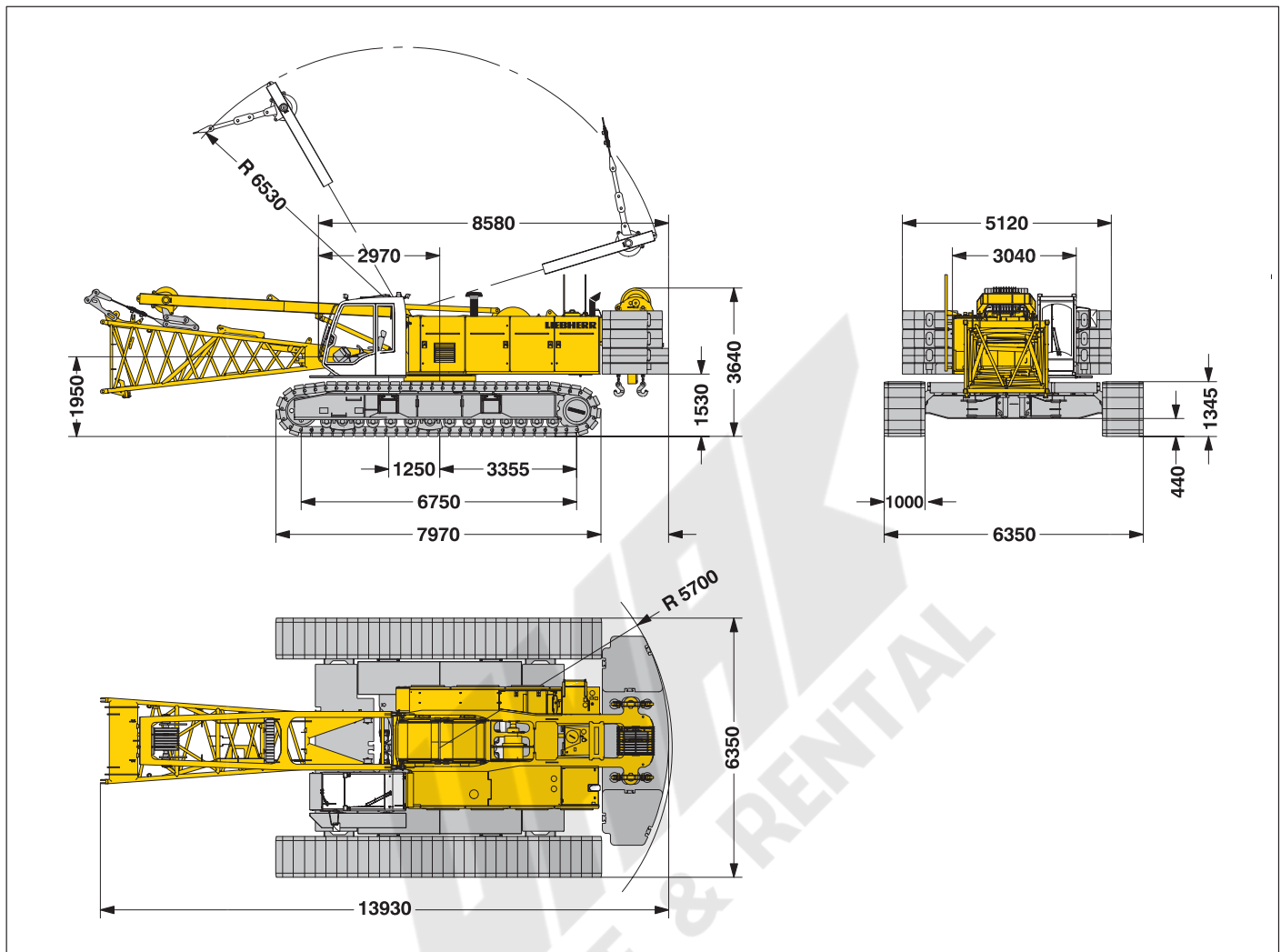
LR 1130
Litronic®



LIEBHERR

Abmessungen

Grundgerät mit Unterwagen



Dienstgewicht

Die Dienstgewichte beinhalten das Grundgerät mit Plattenlaufwerk, 2 Hauptwinden 120 kN und 17 m Hauptausleger, bestehend aus Aufrichtmast, Anlenkstück (7 m) und Auslegerkopf (10 m), 50.9 t Oberwagenballast, 20 t Zentralballast und eine 160 t Hakenflasche.

Gesamtgewicht _____ ca. 146.1 t

Bodenbelastung

Bodenbelastung _____ 1.08 kg/cm²

Arbeitsausrüstung

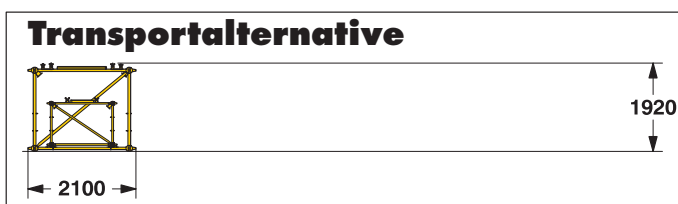
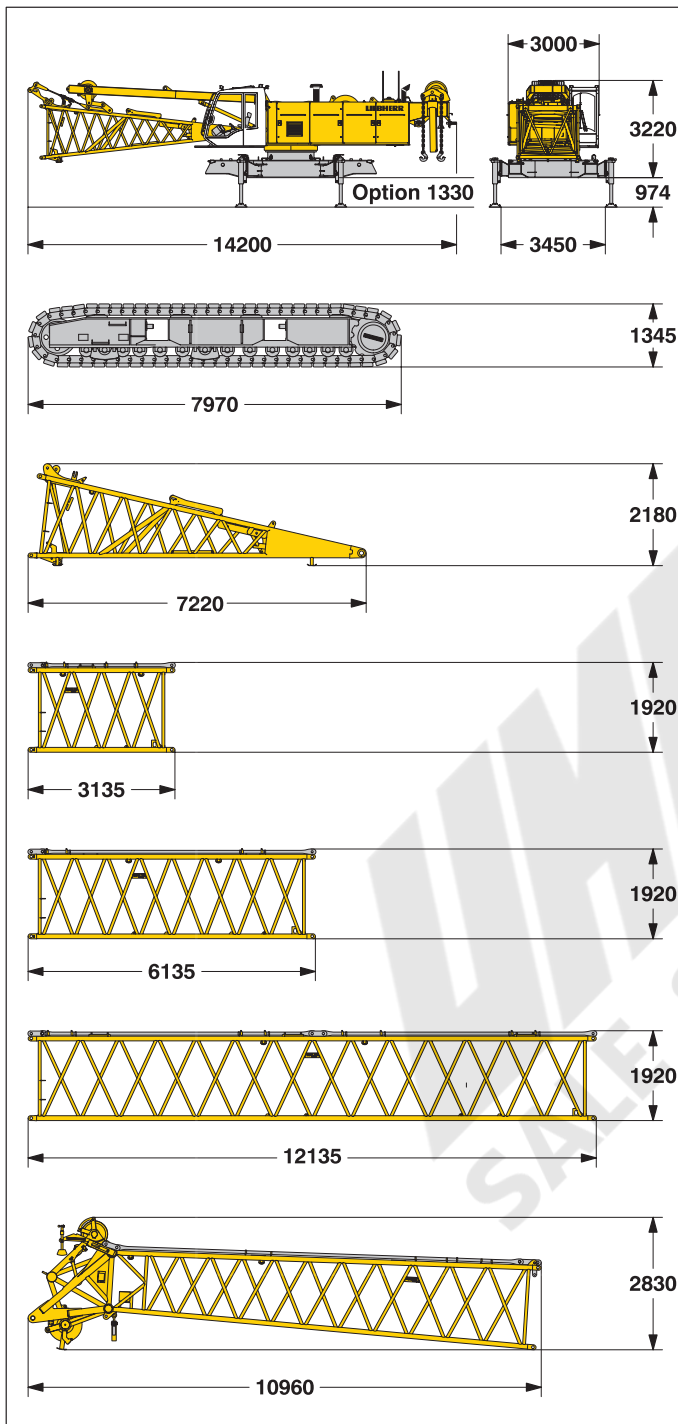
Hauptausleger (No. 2017.xx) max. Länge _____ 80.0 m
 Leichtausleger (No. 2017.xx und 1309.xx) _____ 92.9 m
 Verstellbarer Nadelausleger (No. 1309.xx) max. Länge _____ 78.5 m
 Max. Kombination _____ Hauptausleger 47.0 m
 Verstellbarer Nadelausleger 78.5 m
 Feststehender Nadelausleger (No. 0806.xx) _____ 11 m – 32 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, waagrechttem 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 Traglasttabellenbuch.
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 (prEN 13001 / T2 / 1997).

Transportmaße und Gewichte

Grundgerät und Hauptausleger (No.2017.xx)



*) Inklusive Haltestangen

Grundgerät

mit Aufrichtmast, 2x 120 kN Kranwinden und Anlenkstück, ohne Hubseile, Grundballast und Laufwerke

Breite	_____ mm	3000
Gewicht	_____ kg	33400

Laufwerk

2x

Flachbodenplatten	_____ mm	(optional 1200)	1000
Breite	_____ mm		1400
Gewicht	_____ kg		16000

Anlenkstück (No. 2017.24)

Breite	_____ mm	2100
Gewicht mit Winde inkl. Seil	_____ kg	4100
Gewicht ohne Winde	_____ kg	2600

Zwischenstück (No. 2017.21)

3 m

Breite	_____ mm	2100
Gewicht*	_____ kg	650

Zwischenstück (No. 2017.21)

6 m

Breite	_____ mm	2100
Gewicht*	_____ kg	1040

Zwischenstück (No. 2017.21)

12 m

Breite	_____ mm	2100
Gewicht*	_____ kg	1900

Auslegerkopf (No. 2017.21)

Breite	_____ mm	2100
Gewicht*	_____ kg	3100

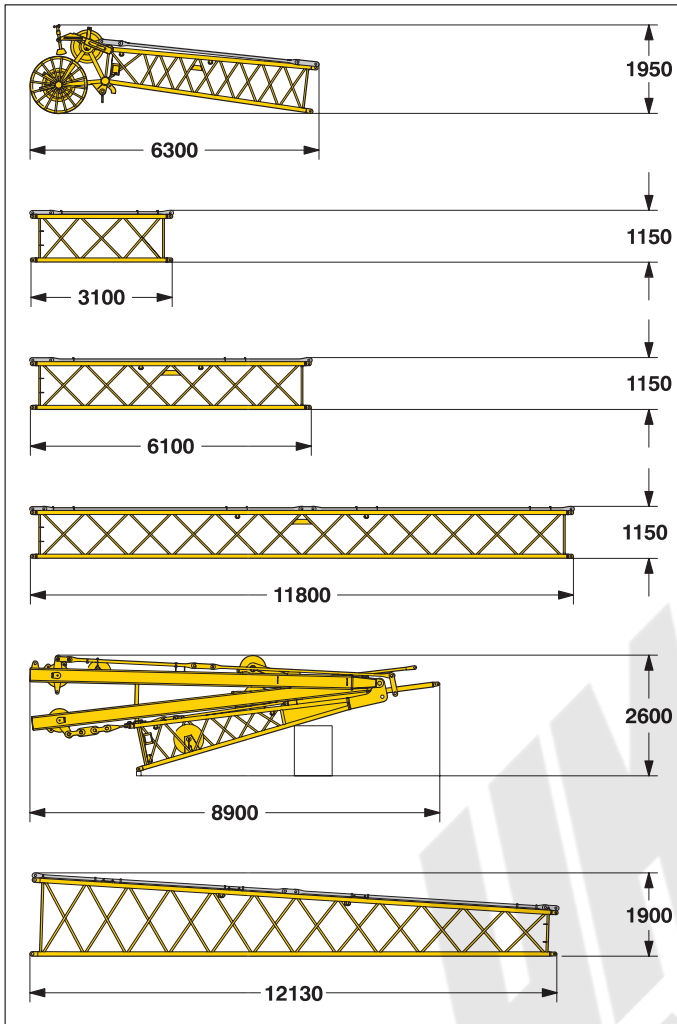
Transportalternative

12 m Haupt – und 11.7 m Nadelauslegerzwischenstück
6 m Haupt – und 6.0 m Nadelauslegerzwischenstück

(No. 2017.xx/1309.xx)		6m/6m	12m/11.7m
Länge	_____ mm	6130	12130
Gewicht*	_____ kg	1560	2860

Transportmaße und Gewichte

Verstellbarer Nadelausleger (No. 1309.xx)



Nadelkopf (No. 1309.22)

Breite	mm	1390
Gewicht*	kg	1600

Zwischenstück (No. 1309.20) **3 m**

Breite	mm	1390
Gewicht*	kg	420

Zwischenstück (No. 1309.20) **6 m**

Breite	mm	1390
Gewicht*	kg	520

Zwischenstück (No. 1309.20) **11.7 m**

Breite	mm	1390
Gewicht*	kg	960

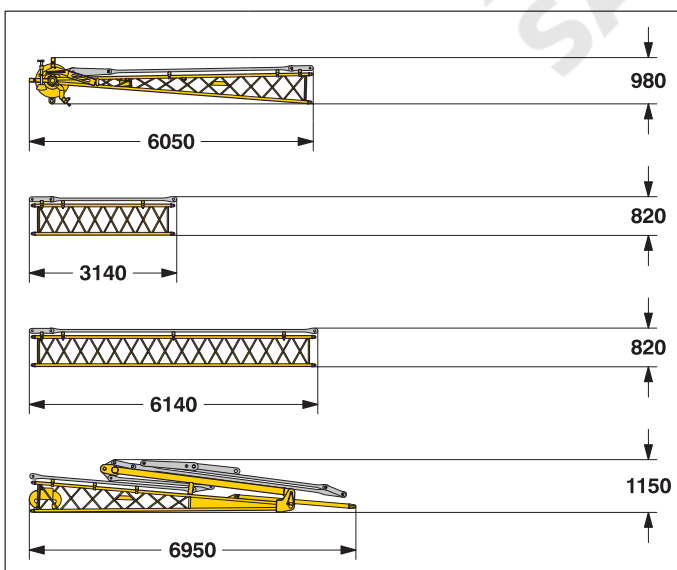
Anlenkstück mit A-Böcken (No. 1309.22)

Breite	mm	1700
Gewicht*	kg	4450

Reduzierstück (No. 2017/1309.20) **12 m**

Breite	mm	2100
Gewicht*	kg	1060

Feststehender Nadelausleger (No. 0806.xx)



Nadelkopf (No. 0806.16)

Breite	mm	950
Gewicht*	kg	460

Zwischenstück (No. 0806.15) **3 m**

Breite	mm	950
Gewicht*	kg	145

Zwischenstück (No. 0806.15) **6 m**

Breite	mm	950
Gewicht*	kg	250

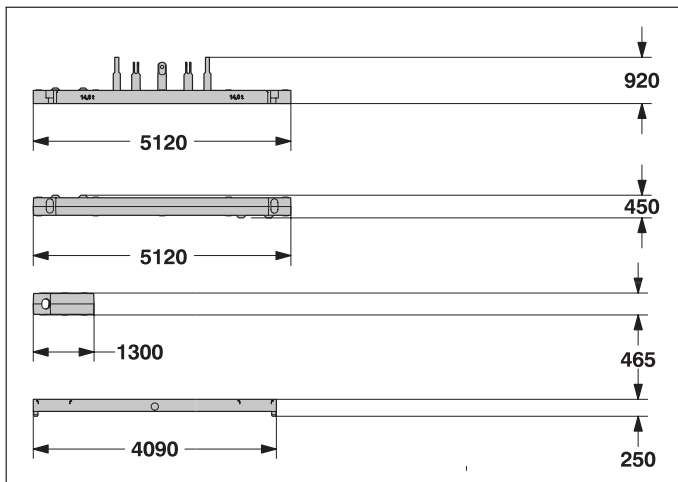
Anlenkstück mit A-Bock (No. 0806.16)

Breite	mm	2200
Gewicht*	kg	1010

*) Inklusive Haltestangen

Transportmaße und Gewichte

Ballaste



Ballastplatte **1x**

Breite	mm	1660
Gewicht	kg	14500

Ballastplatte **1x**

Breite	mm	1660
Gewicht	kg	16300

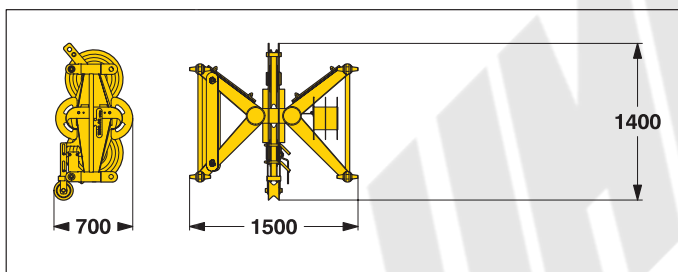
Ballastplatte **4x**

Breite	mm	1360
Gewicht	kg	5100

Zentralballastplatte **2x**

Breite	mm	1450
Gewicht	kg	10000

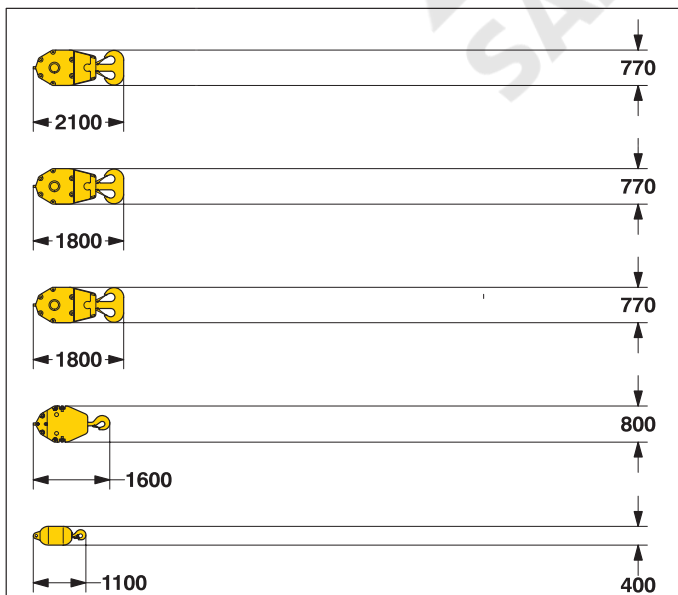
Mid fall (optional)



Mid fall Zwischenstück (No. 1309.32) **0.35 m**

Breite	mm	700
Gewicht	kg	270

Haken



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

80 t Hakenflasche - 3 Rollen

Breite	mm	360 — 460 — 560
Gewicht	kg	1000 — 1500 — 2000

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 (367 PS) bei 2000 U/min
Modell _____ Liebherr D 936 L A6
Kraftstofftank _____ 830 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 46 sec.



Hauptausleger-Verstellwinde

Seilzug _____ max. 217 kN
Seildurchmesser _____ 24 mm
Verstellung Hauptausleger von 15° bis 86° in 96 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
federbelastete 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 _____ 1000 mm
Fahrgeschwindigkeit _____ 0 – 2.1 km/h



Steuerung

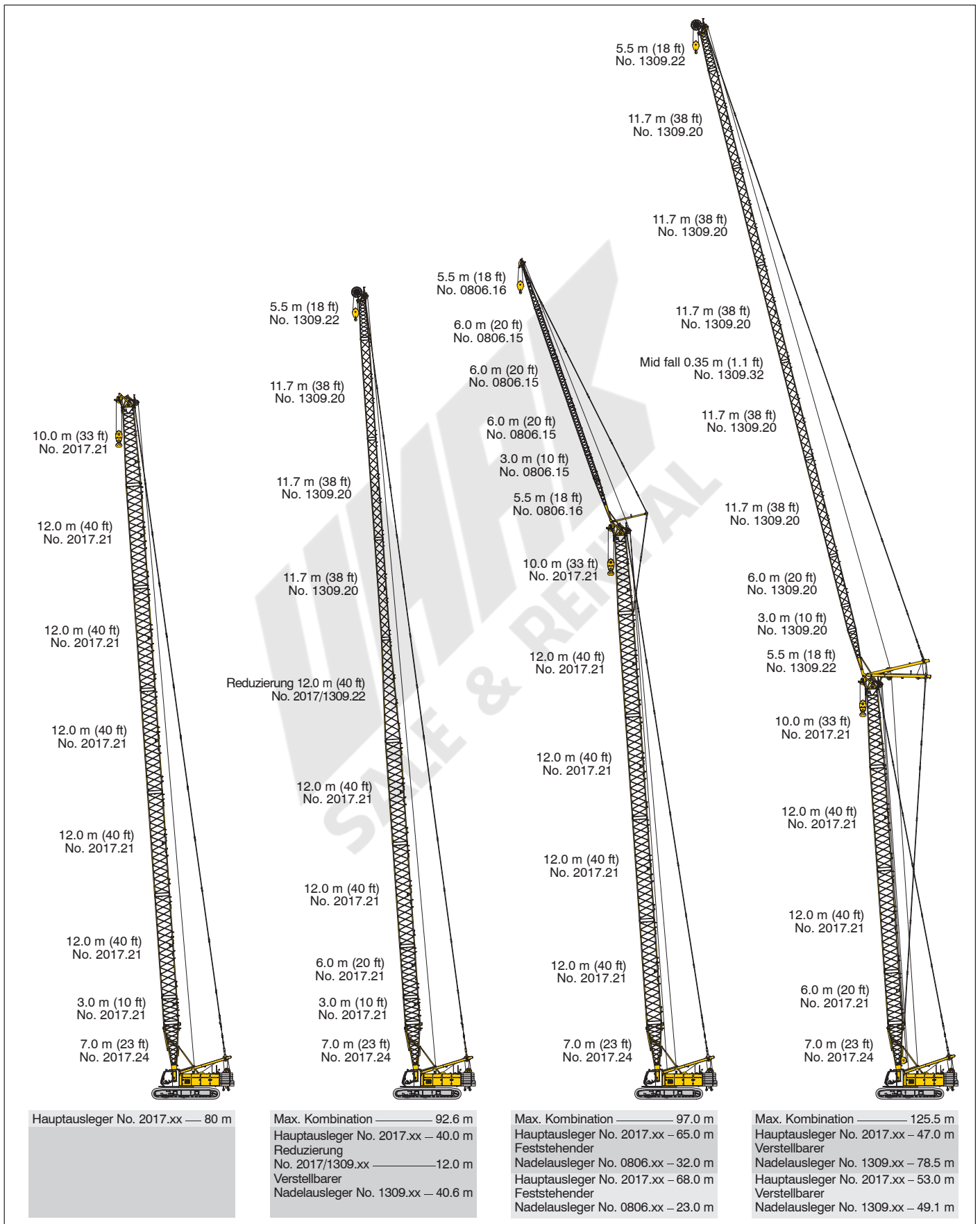
Die von Liebherr entwickelte und im eigenen Haus gefertigte Steuerung ist für
den harten Baustelleneinsatz und extreme Umweltbedingungen wie große
Temperaturschwankungen, starke Vibrationen und elektromagnetische
Interferenzen konzipiert.
Alle Betriebsdaten des Gerätes werden auf einem kontraststarken 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.



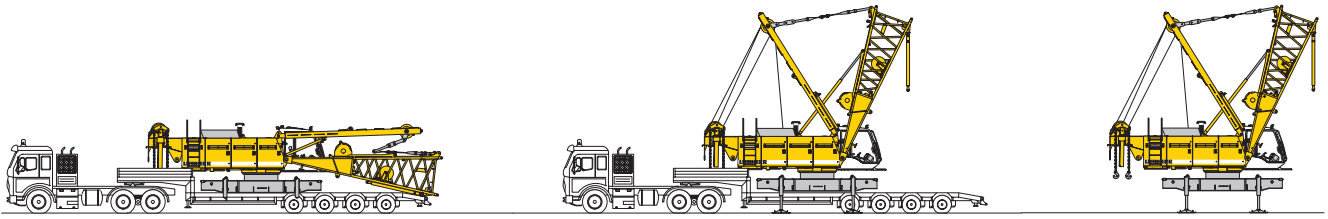
Schallemission

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

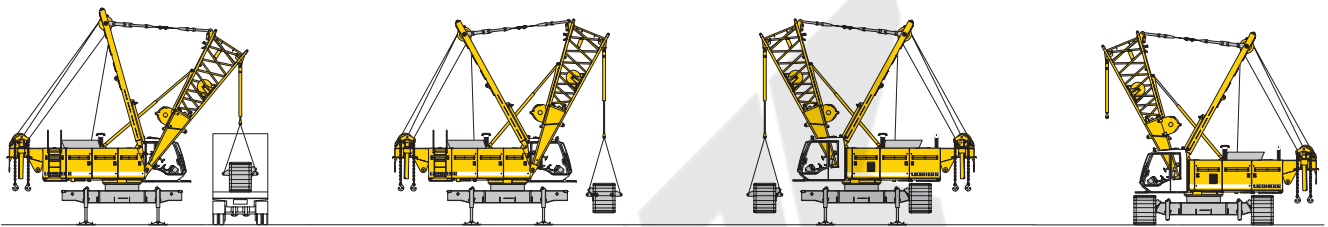
Auslegerkombinationen



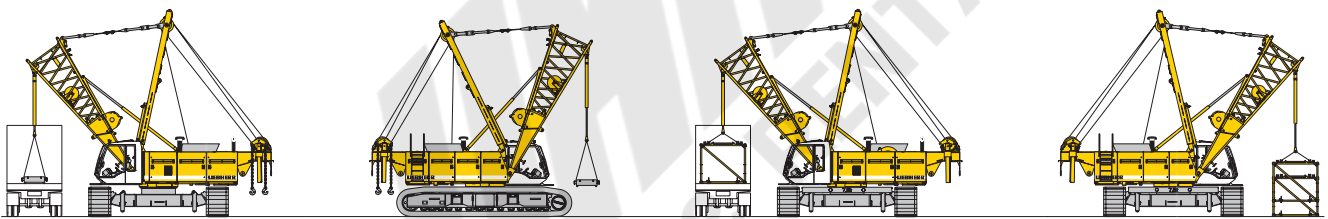
Selbstmontage-System



Entladung des Grundgerätes

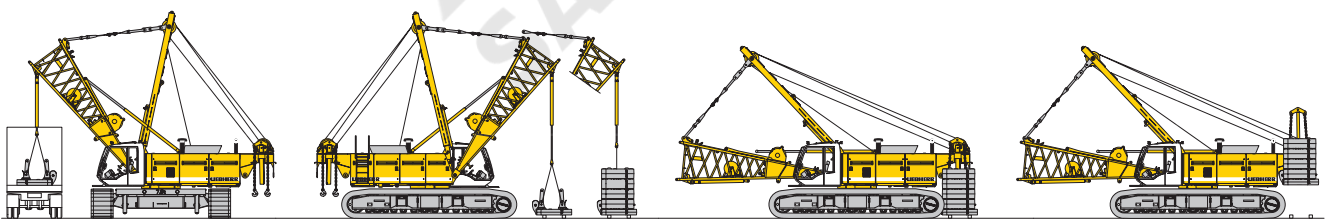


Entladung und Anbau der Laufwerke

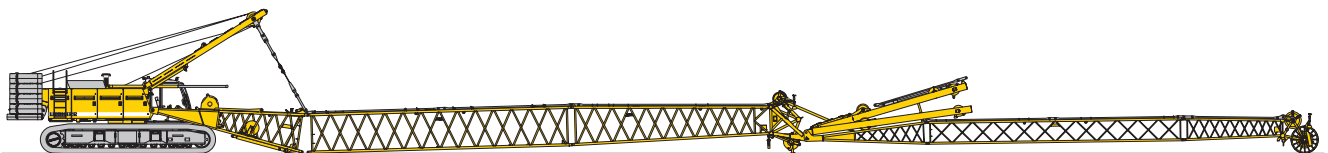


Entladung und Anbau des Zentralballastes

Entladung und Zusammenbau des Auslegers

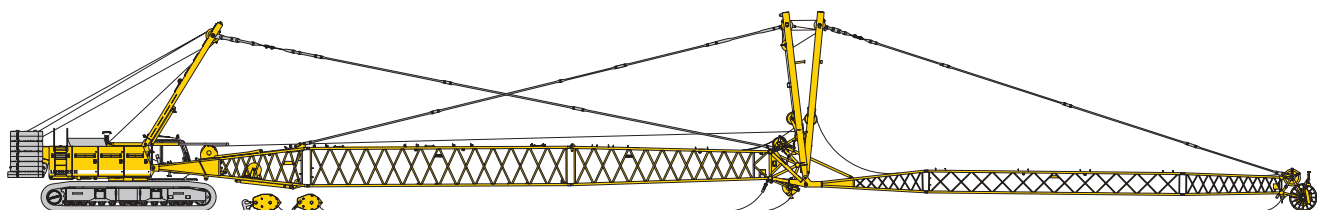


Entladung, Zusammen- und Anbau des Gegengewichtes



Anbau des Auslegers

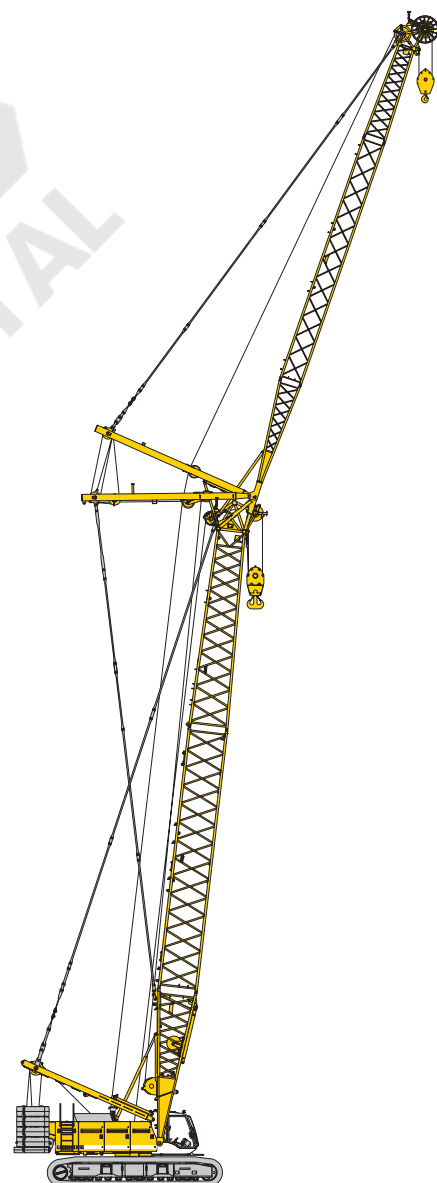
Ausleger aufrichten - Kran in Arbeitsposition



Einziehen der Hub- und Nadelseile



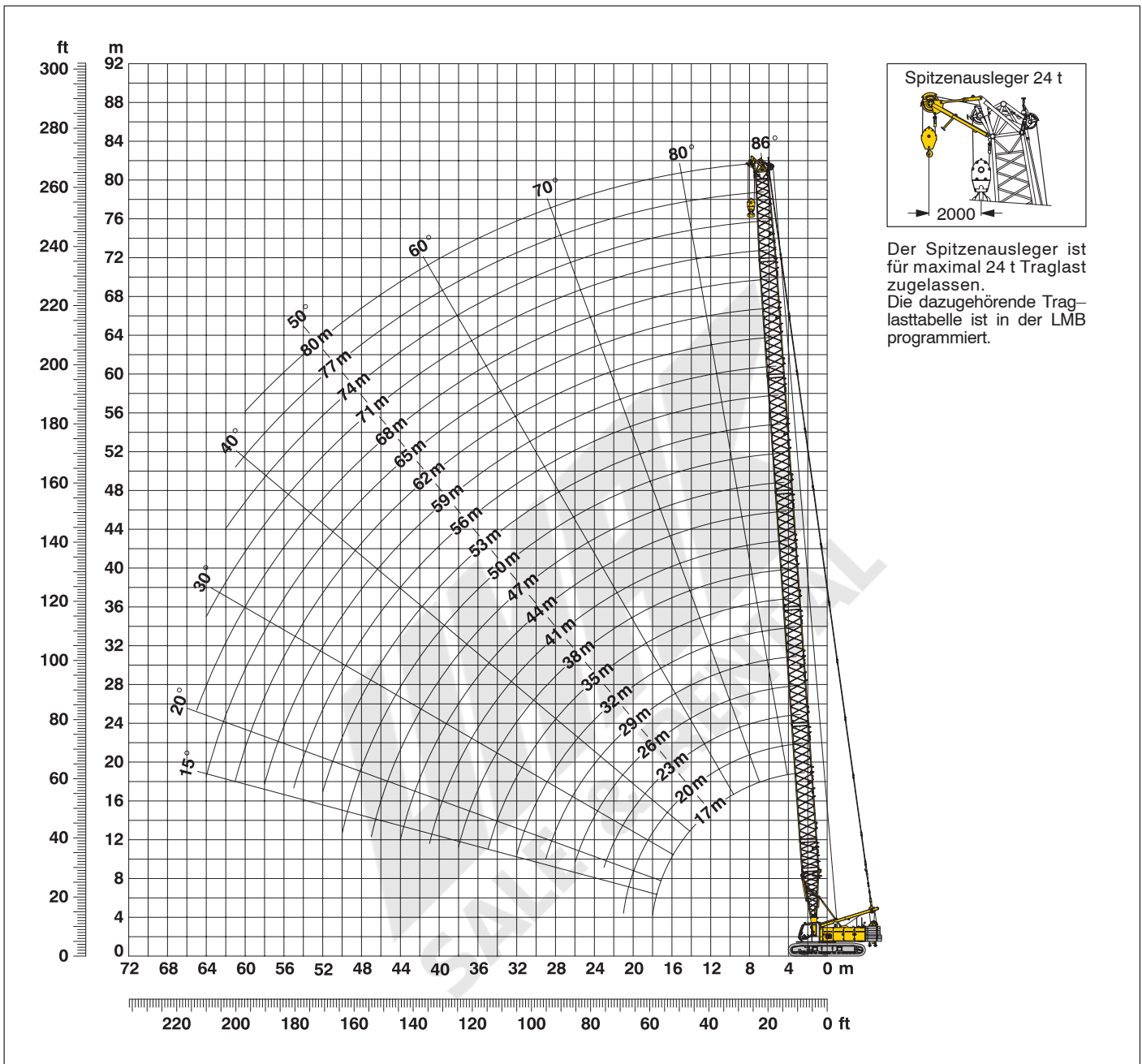
Haupt- und Nadelausleger anheben



Kran in Arbeitsposition

Hauptausleger (No. 2017.xx) 86° - 15°

50.9 t Ballast und 20 t Zentralballast



Hauptausleger-Zusammenbau (Tabelle 1 – No. 2017.xx)

Hauptausleger-Zusammenbau für Auslegerlängen von 17 m bis 80 m

	Länge	Anzahl der Hauptauslegerstücke																					
		17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80
Anlenkstück	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
Z-Stück	3.0 m		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
Z-Stück	12.0 m					1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
Kopfstück	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
Auslegerlänge (m)		17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80

Traglasten – Hauptausleger (No. 2017.xx)

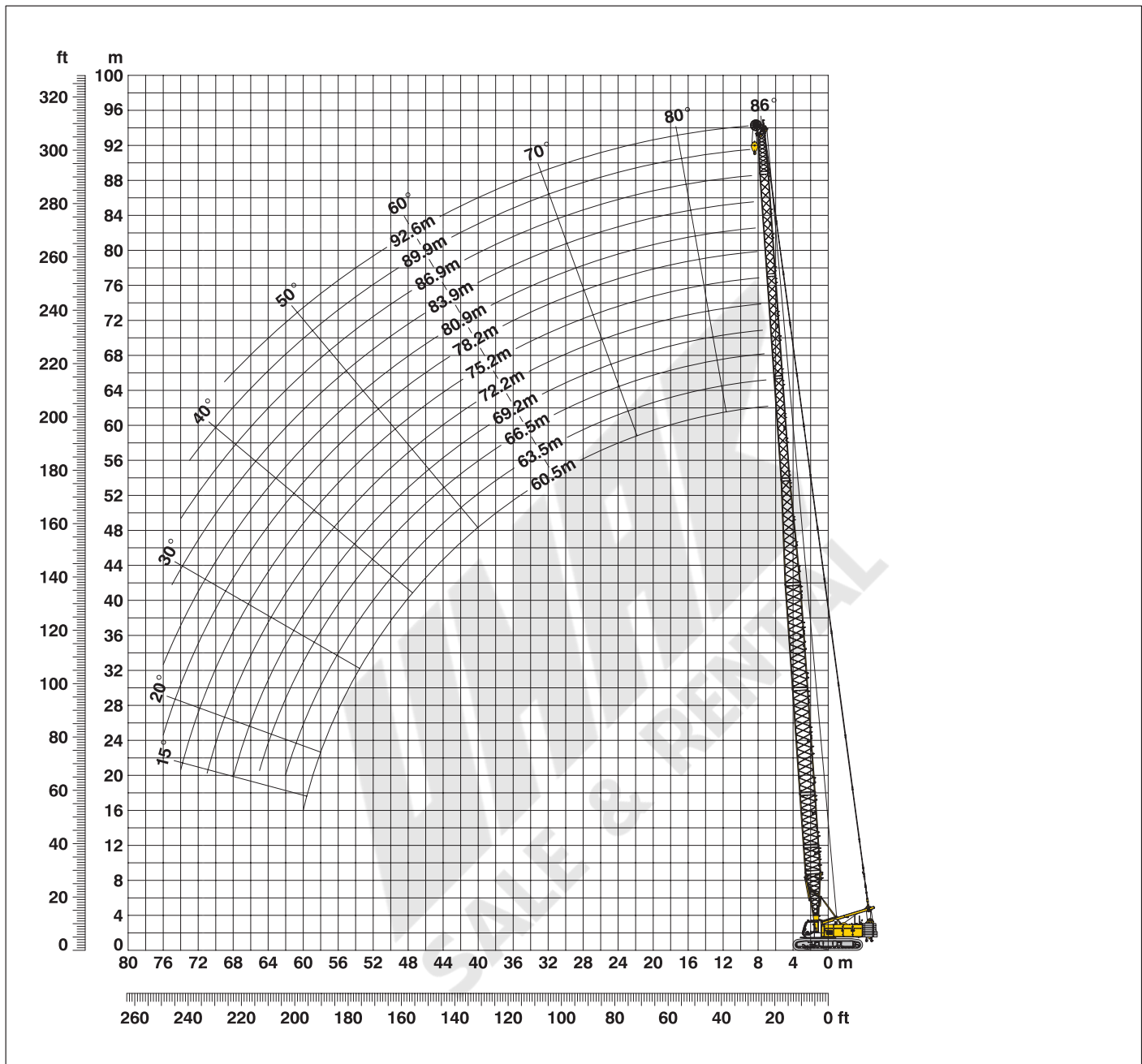
Traglasten in t bei Hauptauslegerlängen von 17 m bis 80 m – mit 120 kN Winden
50.9 t Ballast und 20 t Zentralballast

Radius	Hauptauslegerlänge (m)												Radius
	17	20	26	32	38	44	50	56	62	68	74	80	
(m)	t	t	t	t	t	t	t	t	t	t	t	t	(m)
3.4	137.2												3.4
4	137.2	133.4											4
5	112.8	108.4	106.9	97.3	79.4								5
6	94.8	97.3	87.0	87.7	74.6	62.0	52.7						6
7	85.7	77.6	81.1	73.9	68.3	55.7	50.3	44.5	36.7	29.1			7
8	73.0	74.1	71.1	67.7	61.9	52.4	46.6	42.5	35.0	28.9	23.4	18.9	8
9	64.9	63.4	61.7	61.2	56.1	48.6	44.1	41.2	33.9	27.7	22.6	18.8	9
10	60.2	56.4	57.0	52.3	52.3	44.4	41.5	39.2	32.9	26.7	21.8	18.0	10
12	49.4	49.4	44.4	45.3	42.2	39.4	37.4	36.2	30.3	24.7	20.4	16.9	12
14	40.8	40.8	40.7	38.9	38.2	33.0	31.2	32.0	28.4	22.2	19.0	15.6	14
16	34.0	33.9	32.9	33.9	31.2	30.6	28.3	27.9	25.4	21.0	18.0	14.7	16
18	12.1	29.1	29.0	28.9	28.7	27.2	25.7	24.9	21.7	19.4	16.7	13.8	18
20		25.2	25.2	25.1	24.9	24.5	21.4	22.0	21.0	18.2	15.6	12.9	20
22			22.1	22.0	21.2	21.6	20.2	19.8	19.0	17.2	14.6	10.9	22
24			19.6	19.6	19.3	19.1	18.9	18.0	17.1	15.7	13.9	10.4	24
26			17.5	17.5	17.3	17.1	16.8	16.5	15.5	14.3	12.8	10.1	26
28				15.8	15.6	15.4	15.1	14.9	14.2	13.1	10.8	9.5	28
30				14.3	14.1	13.9	13.6	13.4	13.1	12.2	10.2	9.0	30
32				13.0	12.8	12.6	12.4	12.1	11.0	11.2	9.7	8.5	32
34					11.8	11.4	11.3	10.8	10.3	10.3	9.3	8.1	34
36					10.8	10.6	10.4	10.1	9.6	9.4	8.7	7.8	36
38					9.9	9.7	9.5	9.2	8.9	8.6	8.0	7.4	38
40						9.0	8.7	8.4	8.1	7.9	7.3	6.8	40
42						8.2	8.0	7.7	7.4	7.2	6.7	6.2	42
44						7.6	7.3	7.1	6.8	6.5	6.1	5.7	44
46							6.8	6.5	6.2	6.0	5.6	5.2	46
50								5.7	5.5	5.2	4.9	4.6	50
55									4.4	4.2	3.9	3.6	55
60										3.3	3.0	2.7	60
65											2.3		65

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

Leichtausleger (No. 2017 / 1309.xx) **60.5 m - 92.9 m**

Arbeitsbereich **86° - 15°**



Leichtauslegerzusammenbau mit 40 m Hauptausleger (No. 2017.xx / No. 1309.xx)

Auslegerzusammenbau für Leichtauslegerlängen von 60.5 m bis 92.6 m

	Länge	Anzahl der Haupt- und Nadelauslegerstücke												
		60.5	63.5	66.5	69.5	72.2	75.2	78.2	80.9	83.9	86.9	89.9	92.6	
Anlenkstück	7.0 m	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
Z-Stück	6.0 m	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
Reduzierung	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		1
Nadel-Z-Stück	11.7 m				1	1	1	1	2	2	2	2	3	
Nadelkopf	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1
Max. Leichtauslegerlänge (m)		60.5	63.5	66.5	69.5	72.2	75.2	78.2	80.9	83.9	86.9	89.9	92.6	

Traglasten - Leichtausleger (No. 2017 / 1309.xx)

Hauptausleger 40 m

Traglasten in t 50.9 t Ballast und 20 t Zentralballast					
Radius (m)	Leichtauslegerlänge (m)				
	60.5	72.2	80.9	89.9	92.6
6	t	t	t	t	t
7	40.0				
8	39.5	21.7			
9	37.8	21.3	13.4		
12	34.6	20.7	12.8	7.7	6.8
14	29.3	18.6	11.2	6.9	6.0
16	25.6	17.5	10.4	6.4	5.6
18	22.3	16.3	9.7	6.1	5.3
20	19.9	15.4	9.0	5.6	5.0
22	18.2	14.2	8.5	5.3	4.7
24	16.7	13.3	7.9	5.0	4.5
26	15.6	12.6	7.5	4.8	4.2
28	14.4	10.8	7.1	4.6	4.0
30	13.1	10.5	6.5	4.4	3.9
32	11.7	10.2	6.1	4.1	3.7
34	11.5	9.5	5.7	3.8	3.4
36	10.5	8.8	5.4	3.6	3.2
38	9.6	8.3	5.2	3.4	3.0
40	8.9	7.8	5.0	3.3	2.8
42	8.3	7.2	4.9	3.2	2.7
44	7.6	6.7	4.7	3.1	2.7
46	7.1	6.3	4.6	3.0	2.6
50	6.6	5.9	4.4	2.9	2.5
55	5.7	5.2	4.2	2.7	2.4
60	4.8	4.4	3.7	2.6	2.2
65	4.0	3.7	3.2	2.3	2.1
70		3.2	2.7	2.1	2.1
75		2.6	2.2	2.3	

Hauptausleger 52 m

Traglasten in t 50.9 t Ballast und 20 t Zentralballast					
Radius (m)	Leichtauslegerlänge (m)				
	72.5	78.5	84.2	90.2	92.9
6.9	t	t	t	t	t
8	26.5				
9	26.1	20.3	16.0		
12	25.3	20.0	15.8	11.2	9.3
14	22.7	18.4	14.6	10.4	8.5
16	21.3	17.3	13.8	9.9	8.0
18	19.2	16.0	13.1	9.4	7.5
20	17.7	14.8	12.4	8.9	7.0
22	15.6	13.7	10.4	8.5	6.6
24	13.9	12.4	9.6	8.1	6.2
26	12.8	10.0	8.8	7.4	5.9
28	11.5	9.5	8.2	6.9	5.6
30	11.1	9.1	7.8	6.5	5.4
32	10.8	8.8	7.5	6.2	5.1
34	9.8	8.6	7.3	6.0	4.8
36	8.9	7.9	7.1	5.8	4.6
38	8.2	7.3	6.6	5.6	4.4
40	7.6	6.8	6.1	5.3	4.2
42	7.0	6.4	5.7	4.9	4.0
44	6.4	6.0	5.3	4.6	3.9
46	5.9	5.5	5.0	4.3	3.8
48	5.5	5.1	4.6	4.0	3.6
50	5.1	4.7	4.3	3.7	3.6
55	4.8	4.4	4.0	3.4	3.3
60	4.0	3.6	3.4	2.8	2.7
65	3.3	3.1	2.8	2.3	2.3
70	2.8	2.5	2.3	2.3	2.2
75	2.3	2.1	2.1		

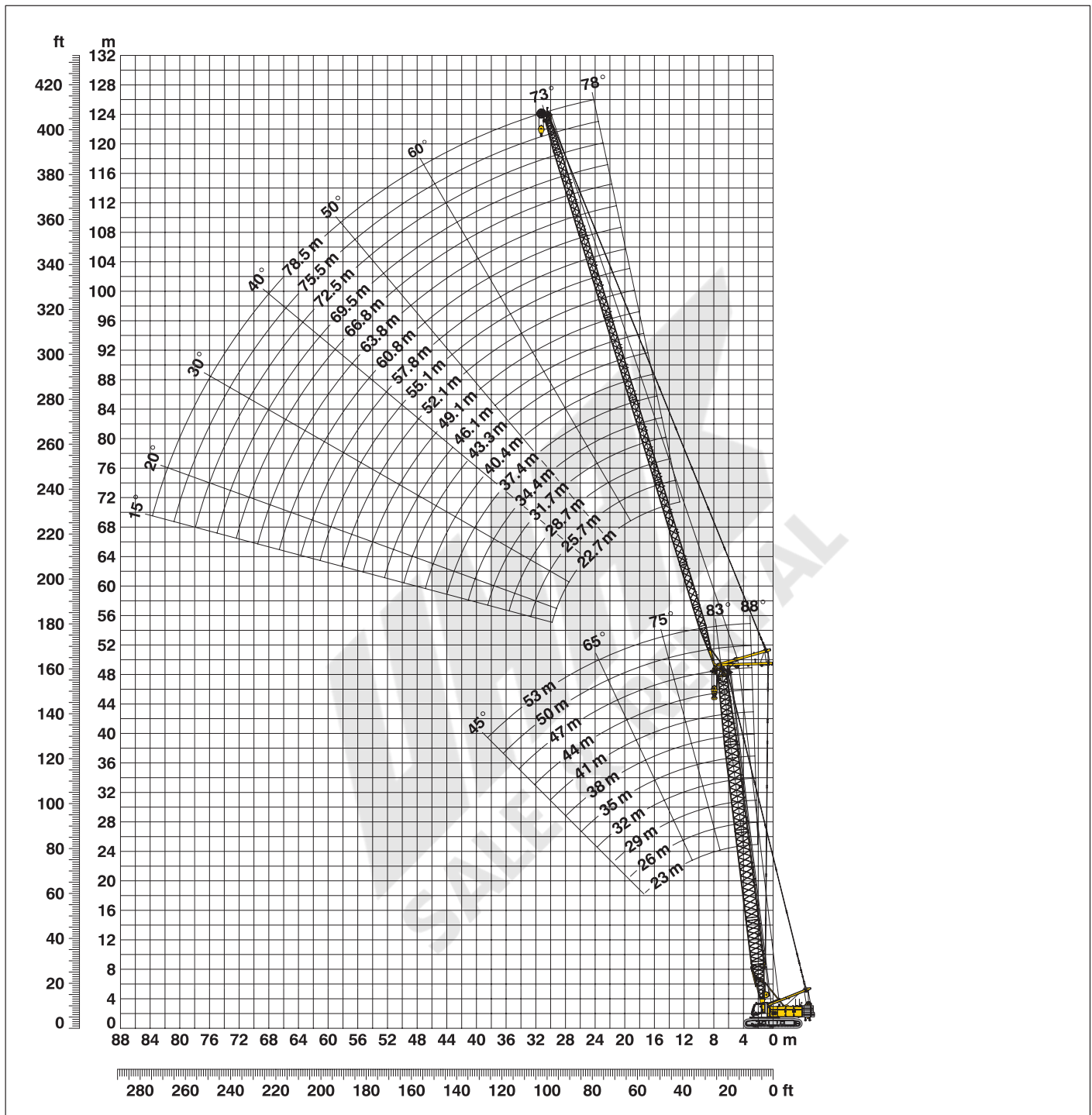
Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Leichtauslegerzusammenbau mit 52 m Hauptausleger (No. 2017.xx / No. 1309.xx)

Auslegerzusammenbau für Leichtauslegerlängen von 72.5 m bis 92.9 m									
	Länge	Anzahl der Haupt- und Nadelauslegerstücke							
		Anlenkstück	7.0 m	1	1	1	1	1	1
Z-Stück	3.0 m	1	1	1	1	1	1	1	1
Z-Stück	6.0 m	1	1	1	1	1	1	1	1
Z-Stück	12.0 m	3	3	3	3	3	3	3	3
Reduzierstück	12.0 m	1	1	1	1	1	1	1	1
Nadel-Z-Stück	3.0 m	1		1		1		1	
Nadel-Z-Stück	6.0 m		1	1			1	1	
Nadel-Z-Stück	11.7 m				1	1	1	1	2
Nadelkopf	5.5 m	1	1	1	1	1	1	1	1
Max. Leichtauslegerlänge (m)		72.5	75.5	78.5	81.2	84.2	87.2	90.2	92.9

Verstellbarer Nadelausleger (No. 1309.xx) 78° - 15°

Hauptausleger 88° - 45°



Auslegerzusammenbau für Hauptauslegerlängen von 23 m - 53 m – s. Tab. 1, Seite 10

Konfiguration mit verstellbarem Nadelausleger (22.7 m - 78.5 m)

	Länge	Anzahl der Nadelauslegerstücke																				
		22.7	25.7	28.7	31.7	34.4	37.4	40.4	43.4	46.1	49.1	52.1	55.1	57.8	60.8	63.8	66.8	69.5	72.5	75.5	78.5	
Nadelanlenkstück	5.5 m	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		1		1		1		1	
Nadel-Z-Stück	6.0 m			1	1			1	1			1	1			1	1			1	1	
Nadel-Z-Stück	11.7 m	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	5
Nadelkopfstück	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nadellänge (m)		22.7	25.7	28.7	31.7	34.4	37.4	40.4	43.4	46.1	49.1	52.1	55.1	57.8	60.8	63.8	66.8	69.5	72.5	75.5	78.5	

Traglasten - verstellb. Nadelausleger (No. 1309.xx)

Hauptausleger 88°

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
8.2	t	t						
10	43.3	33.8						
11	34.9	31.7	26.3					
12	33.1	29.6	25.6	20.1				
14	28.8	26.3	22.9	19.3	13.3			
17	22.9	21.9	19.9	17.6	12.4	7.7		
18	22.2	20.6	18.9	17.0	12.1	7.6	5.8	
20	19.8	18.5	17.3	15.4	11.2	7.3	5.0	3.6
22	18.1	16.9	15.7	14.2	10.7	6.9	4.8	3.1
24	16.7	15.3	14.5	13.2	10.1	6.7	4.7	2.9
30		11.7	11.3	10.9	8.9	6.1	4.3	2.6
36			9.5	9.1	7.9	5.7	4.0	2.3
42				7.9	6.8	5.3	3.7	2.1
50					5.4	4.6	3.3	2.1
55						4.2	3.1	2.0
60						3.6	2.9	
70							2.3	

Hauptausleger 32 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
8.5	t	t						
10	36.1	28.8						
11	31.1	27.5	22.9					
13	27.5	24.6	21.6	17.8				
15	24.7	22.0	19.7	17.0	12.2			
17	21.5	20.0	18.0	15.7	11.3	7.0		
19	19.4	18.0	16.4	14.6	10.8	6.9	4.8	
22	16.0	15.6	14.2	13.0	10.1	6.6	4.6	2.9
24	14.2	13.8	13.0	12.1	9.6	6.3	4.5	2.8
30		10.8	10.2	9.9	8.3	5.9	4.1	2.5
36			8.3	7.8	7.3	5.4	3.9	2.3
38				7.3	6.8	5.3	3.8	2.2
42				6.4	5.9	5.0	3.6	2.1
46					5.2	4.5	3.4	2.2
50						4.6	4.0	3.2
60							3.0	2.5
65								2.1

Hauptausleger 38 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
8.8	t	t						
10	31.5	25.4						
12	29.8	23.3	20.3					
13	26.5	21.9	19.4	16.4				
15	24.8	19.8	17.8	15.4	11.1			
17	22.0	17.9	16.3	14.2	10.6	6.7		
19	19.6	16.2	14.8	13.2	10.1	6.6	4.6	
22	17.7	14.1	12.9	11.3	9.4	6.3	4.4	2.9
24	14.9	12.7	11.4	10.8	8.8	6.0	4.3	2.7
30	13.5	10.0	9.5	9.0	7.6	5.6	4.0	2.4
36			7.8	7.3	6.7	5.1	3.7	2.2
42				6.1	5.4	4.6	3.4	2.0
46					4.9	4.1	3.2	2.1
50					4.4	3.6	3.0	2.0
55						3.2	2.6	
60						2.7	2.2	

Hauptausleger 47 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
9.1	t	t						
11	25.0	20.0						
12	22.6	18.9	16.7					
13	21.2	17.9	15.9	13.6				
15	20.0	16.1	14.4	12.7	9.6			
18	17.9	13.9	12.5	11.0	8.9	6.0		
19	15.1	13.1	11.4	10.7	8.5	5.9	4.8	
22	14.5	11.2	10.5	9.3	7.7	5.5	4.1	2.7
26	12.7	9.9	9.1	8.1	6.8	5.1	3.9	2.5
32	9.8	7.1	7.6	6.9	5.8	4.5	3.5	2.2
36			6.3	6.3	5.3	4.1	3.3	2.1
42				5.0	4.6	3.6	2.9	2.1
44					4.4	3.5	2.7	2.0
50						3.9	3.0	2.4
55							2.7	2.0
60								2.3

Hauptausleger 50 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	55.1	60.8	69.5
9.2	t	t						
11	22.7	18.4						
12	20.8	17.4	15.3					
13	19.5	16.4	14.6	12.5				
15	18.4	14.8	13.2	11.5	8.9			
16	16.5	14.0	12.7	11.1	8.8	7.7		
18	15.5	12.8	11.4	10.1	8.2	6.9	5.7	
19	14.0	12.1	10.9	9.8	7.9	6.7	5.6	4.6
22	13.4	10.5	9.7	8.5	7.1	6.0	5.1	3.9
26	11.2	8.9	8.3	7.4	6.2	5.4	4.6	3.6
32		7.0	6.9	6.4	5.3	4.7	4.1	3.2
36			6.2	5.9	4.9	4.3	3.8	3.0
42				4.8	4.3	3.8	3.3	2.6
50					3.7	3.2	2.7	2.1
55						2.9	2.5	
60							2.1	

Hauptausleger 53 m

Radius (m)	Nadellänge (m)							
	22.7	25.7	28.7	31.7	34.4	37.4	40.4	49.1
9.3	t	t						
10	20.7	18.6						
11	20.3	17.8	16.9					
12	19.1	16.9	15.9	15.0	14.0			
13	17.9	15.9	15.1	14.2	13.4	12.5	11.4	
15	16.9	14.2	13.6	12.9	12.2	11.3	10.6	8.7
20	15.2	11.7	11.0	10.6	10.2	9.6	9.0	8.5
24	11.7	9.8	9.5	9.0	8.6	8.1	7.7	7.2
26	11.2	10.1	8.9	8.4	8.0	7.6	7.1	6.7
28			7.8	7.9	7.6	7.2	6.7	6.3
32				6.5	6.7	6.6	6.1	5.8
34					6.2	6.2	5.9	5.5
36						5.8	5.6	5.3
40							4.8	4.4
42								4.4
50								3.9

Traglasten in t mit verstellbarem Nadelausleger (No. 1309.xx) 50.9 t Ballast + 20 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1309.xx)

Hauptausleger 83°

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
12.2	t	t						
14	t	t						
16	t	t						
18	t	t						
20	t	t						
24	t	t						
26	t	t						
28	t	t						
30	t	t						
32	t	t						
38	t	t						
44	t	t						
46	t	t						
50	t	t						
55	t	t						
60	t	t						
70	t	t						

Hauptausleger 32 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
13.3	t	t						
15	t	t						
17	t	t						
19	t	t						
22	t	t						
26	t	t						
28	t	t						
30	t	t						
34	t	t						
38	t	t						
40	t	t						
44	t	t						
46	t	t						
50	t	t						
55	t	t						
65	t	t						
70	t	t						

Hauptausleger 38 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
14	t	t						
16	t	t						
18	t	t						
20	t	t						
22	t	t						
26	t	t						
28	t	t						
32	t	t						
34	t	t						
40	t	t						
46	t	t						
48	t	t						
50	t	t						
55	t	t						
65	t	t						
70	t	t						

Hauptausleger 47 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
15.1	t	t						
17	t	t						
19	t	t						
22	t	t						
24	t	t						
28	t	t						
30	t	t						
32	t	t						
36	t	t						
38	t	t						
40	t	t						
44	t	t						
46	t	t						
50	t	t						
55	t	t						
65	t	t						

Hauptausleger 50 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	55.1	60.8	69.5
15.5	t	t						
18	t	t						
19	t	t						
22	t	t						
24	t	t						
26	t	t						
28	t	t						
30	t	t						
36	t	t						
42	t	t						
44	t	t						
46	t	t						
50	t	t						
55	t	t						
60	t	t						
65	t	t						

Hauptausleger 53 m

Radius (m)	Nadellänge (m)							
	22.7	25.7	28.7	31.7	34.4	37.4	40.4	49.1
15.9	t	t						
17	t	t						
18	t	t						
19	t	t						
20	t	t						
22	t	t						
24	t	t						
28	t	t						
30	t	t						
32	t	t						
36	t	t						
38	t	t						
42	t	t						
44	t	t						
48	t	t						
55	t	t						

Traglasten in t mit verstellbarem Nadelausleger (No. 1309.xx) 50.9 t Ballast + 20 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1309.xx)

Hauptausleger 75°

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
18.3	t	t		t	t	t	t	t
22	27.9	22.2						
24	20.7	20.4	19.5					
26	18.7	18.5	17.7	15.8				
30	15.6	15.5	15.1	14.4	9.9			
36		12.3	12.2	11.6	9.2	5.8		
40			10.7	10.2	8.7	5.7	4.0	
42				9.7	8.3	5.6	3.9	2.5
44				9.2	8.0	5.5	3.8	2.2
46				8.7	7.7	5.4	3.8	2.1
48					7.4	5.3	3.7	2.1
50					7.1	5.2	3.6	2.0
55					6.3	4.9	3.4	2.1
60						4.6	3.2	
65						4.2	3.0	
70							2.9	
75							2.7	

Hauptausleger 32 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
20.6	t	t	t	t	t	t	t	t
24	21.5	17.6						
26	17.1	16.3	15.3					
30	15.0	14.0	13.4	12.6				
32	13.9	13.0	12.5	11.7	9.5			
38		11.0	10.4	9.9	8.4	5.6		
40			10.0	9.3	8.0	5.5		
42			9.5	8.9	7.7	5.4	3.8	
44			9.0	8.4	7.4	5.3	3.7	
46				8.1	7.1	5.2	3.7	2.1
48				7.7	6.8	5.1	3.6	2.0
50				7.3	6.5	5.0	3.5	2.2
55					5.9	4.7	3.4	2.1
60						4.4	3.2	
65						4.0	3.0	
70							2.8	
75							2.6	

Hauptausleger 38 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
22.2	t	t	t	t	t	t	t	t
26	17.2							
28	14.6	13.7						
30	13.6	12.8	11.8					
34	12.7	11.6	11.1	10.0				
40	12.0	10.5	9.8	9.1	7.7			
42		9.7	8.3	7.7	6.8	5.0		
44			8.0	7.3	6.5	4.9	3.9	
46			7.7	7.0	6.2	4.8	3.4	
48				6.7	5.9	4.7	3.4	2.3
50				6.4	5.6	4.5	3.3	2.0
55				6.2	5.4	4.3	3.3	2.2
60					4.9	3.9	3.0	2.1
65					4.5	3.5	2.8	
70						3.2	2.5	
75						2.9	2.3	

Hauptausleger 47 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
24.5	t	t	t	t	t	t	t	t
28	11.5							
30	10.0	9.2						
32	9.4	8.6	7.9					
34	8.8	8.0	7.4	7.2				
36	8.3	7.6	7.0	6.4				
38	8.0	7.1	6.5	6.0	5.0			
40		6.7	6.2	5.6	4.9			
42		6.5	5.8	5.3	4.6			
44		6.2	5.5	5.1	4.4	3.5		
46			5.3	4.8	4.2	3.3		
48			5.2	4.6	4.0	3.1	2.4	
50			5.0	4.4	3.8	3.0	2.4	
55				4.3	3.6	2.8	2.2	
60					3.2	2.4	2.1	
65					3.0	2.1	2.1	

Hauptausleger 50 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	55.1	60.8	69.5
25.3	t	t	t	t	t	t	t	t
28	10.0							
32	8.8	8.4						
34	7.6	7.0	6.4					
36	7.2	6.5	6.0	5.4				
38	7.0	6.1	5.6	5.1				
40		5.8	5.3	4.8	4.1			
42		5.5	5.0	4.5	3.9	3.5		
44		5.4	4.8	4.3	3.7	3.3	2.8	
46			4.5	3.9	3.3	2.9	2.5	2.2
48			4.3	3.7	3.2	2.8	2.4	2.1
50				3.6	3.0	2.6	2.2	
55					2.7	2.3	2.2	
60					2.5	2.3		
65						2.1		

Hauptausleger 53 m

Radius (m)	Nadellänge (m)							
	22.7	25.7	28.7	31.7	34.4	37.4	40.4	49.1
26.1	t	t	t	t	t	t	t	t
28	8.6							
30	7.6	7.2						
32	7.1	6.7	6.4	6.6				
34	6.6	6.2	6.0	5.7	5.4			
36	6.2	5.9	5.6	5.3	5.1	4.8	4.5	
38	6.7	5.3	5.0	4.8	4.5	4.3	4.1	3.4
40		5.2	4.8	4.5	4.3	4.0	3.8	3.2
42			4.7	4.3	4.1	3.9	3.7	3.1
44			4.5	4.2	3.9	3.7	3.5	2.9
46				4.1	3.8	3.5	3.3	2.7
48					3.7	3.4	3.1	2.6
50						3.3	3.0	2.4
55							2.9	2.1
60								2.3

Traglasten in t mit verstellbarem Nadelausleger (No. 1309.xx) 50.9 t Ballast + 20 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1309.xx)

Hauptausleger 65°

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
25.4	t	t						
30	18.1	14.5						
34	14.7	12.4						
36	12.6	11.6	11.1					
40		10.1	9.9	9.7				
42			9.3	9.1	8.3			
44			8.7	8.5	8.0			
46				8.0	7.7			
48				7.5	7.2	5.4		
50				7.1	6.8	5.3		
55					5.9	5.1	3.5	
60						4.7	3.3	2.0
65						4.1	3.2	
70						3.5	3.0	
75							2.8	

Hauptausleger 32 m

Radius (m)	Nadellänge (m)							
	22.7	28.7	34.4	40.4	49.1	60.8	69.5	78.5
29.2	t	t						
34	14.1	11.4						
36	11.7	10.6	10.4					
38	10.9	9.9	9.7					
40	10.1	9.3	9.1	8.8				
42		8.7	8.5	8.2				
44		8.1	8.0	7.7				
46			7.5	7.2	6.8			
48			7.1	6.8	6.4			
50				6.4	6.1			
55				5.6	5.2	4.6		
60					4.5	4.1	3.2	
65						3.5	3.0	
70						3.0	2.7	
75						2.6	2.3	

Hauptausleger 38 m

Radius (m)	Nadellänge (m)						
	22.7	28.7	34.4	40.4	49.1	60.8	69.5
31.8	t	t					
36	11.9	9.9					
40	10.2	8.6	8.4				
42	8.9	8.1	7.9	7.6			
46		7.1	6.9	6.6			
48			6.5	6.3	5.7		
50			6.2	5.9	5.4		
55				5.1	4.7	4.0	
60					4.1	3.5	2.9
65					3.5	3.0	2.5
70						2.6	2.1
75						2.2	

Hauptausleger 47 m

Radius (m)	Nadellänge (m)					
	22.7	28.7	34.4	40.4	49.1	60.8
35.6	t	t				
38	9.0	8.4				
40	8.4	7.5				
42	7.9	7.0				
44	7.4	6.6	6.2			
46	6.9	6.2	5.8	5.5		
48		5.9	5.5	5.1		
50		5.5	5.2	4.8		
55			4.6	4.3	3.7	
60				3.7	3.2	2.5
65					2.8	2.1
70					2.4	

Hauptausleger 50 m

Radius (m)	Nadellänge (m)					
	22.7	28.7	34.4	40.4	49.1	60.8
36.8	t	t				
42	8.1	6.4				
44	6.9	6.1	5.4			
46	6.6	5.7	5.3			
48		5.5	5.0	4.5		
50		5.2	4.8	4.3		
55			4.3	3.9	3.3	
60				3.4	2.8	2.1
65					2.4	
70					2.1	

Hauptausleger 53 m

Radius (m)	Nadellänge (m)							
	22.7	25.7	28.7	31.7	34.4	37.4	40.4	49.1
38.1	t	t						
40	7.2	6.5						
42	6.3	5.7	5.3					
44	6.0	5.4	5.1	4.8				
46	5.7	5.1	4.9	4.6	4.4			
48	5.6	5.1	4.7	4.4	4.2	4.0		
50		5.0	4.6	4.2	4.0	3.8	3.6	
55				4.0	3.7	3.4	3.2	2.6
60						3.2	3.0	2.3
65								2.1

Traglasten in t mit verstellbarem Nadelausleger (No. 1309.xx) 50.9 t Ballast + 20 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1309.xx)

Hauptausleger 45°

Hauptausleger 23 m

Radius (m)	Nadellänge (m)					
	22.7	28.7	34.4	40.4	49.1	60.8
t	t	t	t	t	t	t
37.3	9.8					
40	9.0					
44		7.7				
46		7.3				
48			6.6			
50			6.3			
55				5.2		
60					4.2	
65					3.6	
70						2.7
75						2.3

Hauptausleger 32 m

Radius (m)	Nadellänge (m)				
	22.7	28.7	34.4	40.4	49.1
t	t	t	t	t	t
43.7	6.8				
44	6.7				
46	6.3				
50		5.3			
55			4.4		
60				3.6	
70					2.3

Hauptausleger 38 m

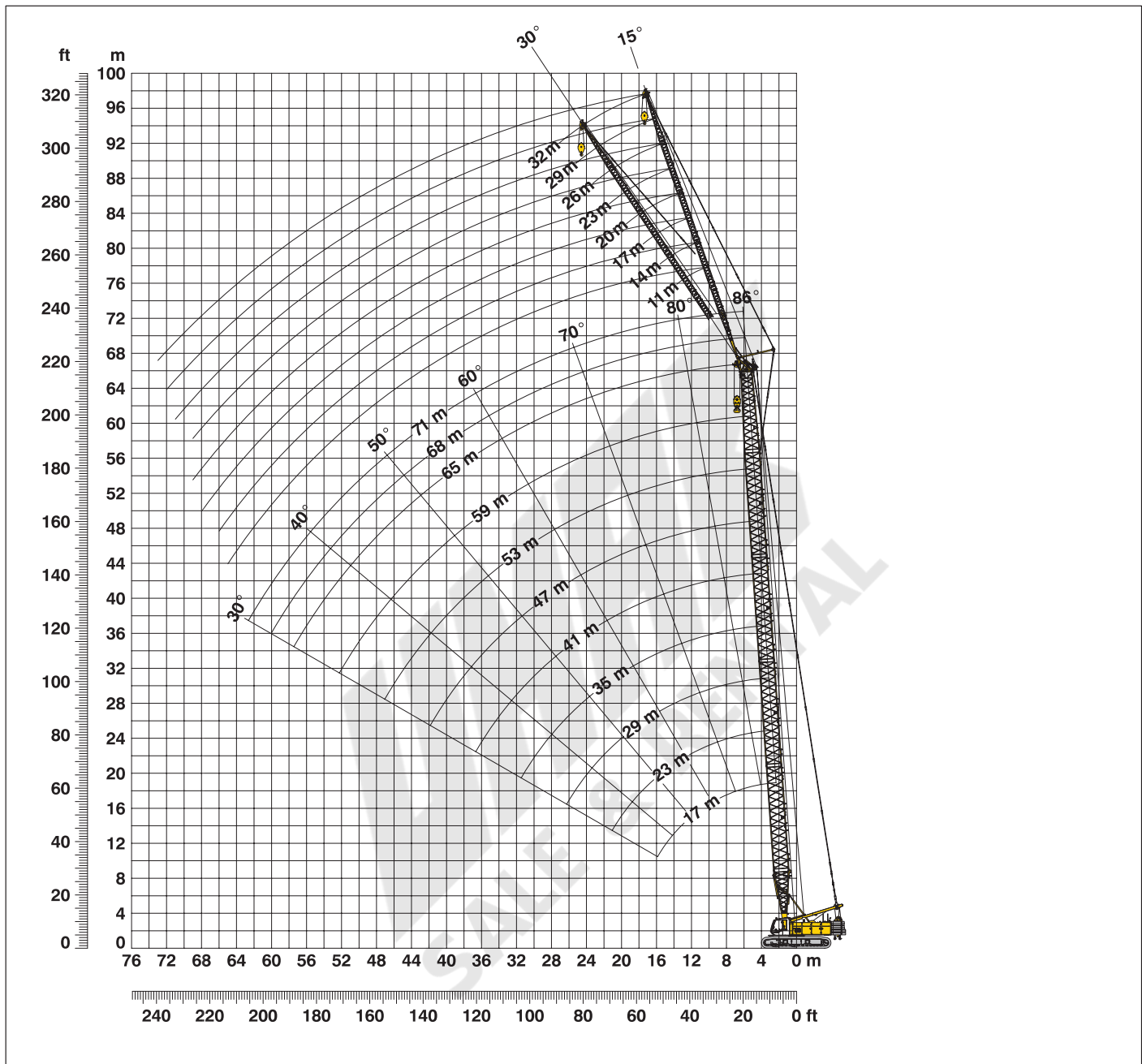
Radius (m)	Nadellänge (m)			
	22.7	28.7	34.4	40.4
t	t	t	t	t
47.9	5.1			
50	4.8			
55		3.9		
60			3.1	
65				2.4

Hauptausleger 47 m

Radius (m)	Nadellänge (m)	
	22.7	28.7
t	t	t
54.3	3.0	
55	2.9	
60		2.2

Traglasten in t mit verstellbarem Nadelausleger (No. 1309.xx) 50.9 t Ballast + 20 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Feststehender Nadelausleger (No. 0806.xx) 15° u. 30° Hauptausleger 88° - 30°



Auslegerzusammenbau für Hauptauslegerlängen von 17 m - 71 m – siehe Tabelle 1, Seite 10 Konfiguration mit feststehendem Nadelausleger (11 m - 32 m)

	Länge	Anzahl der Nadelauslegerstücke							
		11	14	17	20	23	26	29	32
Nadelanlenkstück	5.5 m	1	1	1	1	1	1	1	1
Nadel-Z-Stück	3.0 m		1		1		1		1
Nadel-Z-Stück	6.0 m			1	1	2	2	3	3
Nadelkopf	5.5 m	1	1	1	1	1	1	1	1
Nadellänge (m)		11	14	17	20	23	26	29	32

Traglasten - festst. Nadelausleger (No. 0806.xx)

Offset 15°

Hauptausleger 17 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
5.5	t	t	t	t
10	24.0	14.2		
12	23.6	13.4	7.7	
15	22.5	12.3	7.0	4.3
18	21.1	10.2	6.5	4.1
20	19.4	9.7	6.2	3.9
22	18.0	9.2	5.9	3.8
24	16.8	8.9	5.7	3.7
26	15.6	8.5	5.5	3.5
36		7.1	4.8	3.2
42			4.6	3.1
48				2.9

Hauptausleger 26 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
5.8	t	t	t	t
10	24.0	14.3		
12	24.0	13.6	8.7	
15	22.9	12.6	7.2	4.3
20	20.9	10.3	6.4	3.9
24	19.2	9.5	5.9	3.7
28	16.5	8.9	5.6	3.5
32	13.7	8.5	5.3	3.4
34	12.6	8.2	5.2	3.3
44		7.2	4.7	3.1
50			4.6	3.0
55				2.9

Hauptausleger 35 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
6.1	t	t	t	t
10	24.0	13.6		
13	23.7	12.8	7.3	
15	23.2	12.3	7.0	4.3
20	21.2	10.1	6.3	3.9
28	16.2	8.9	5.6	3.6
36	11.2	8.2	5.1	3.3
40	9.5	7.9	5.0	3.2
42	8.8	7.8	4.9	3.2
50		6.8	4.7	3.1
55			4.6	3.0
60				2.9

Hauptausleger 44 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
6.4	t	t	t	t
11	23.9	13.2		
13	23.1	12.7	7.3	
16	21.9	12.1	6.9	4.1
20	20.2	10.2	6.4	3.9
28	15.7	9.2	5.7	3.6
36	10.8	8.5	5.3	3.4
44	7.8	7.5	5.0	3.2
50	6.1	6.7	4.8	3.1
60		4.6	4.5	3.0
65			4.1	2.9
70				2.8

Hauptausleger 53 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
6.7	t	t	t	t
11	22.5	12.3		
13	21.7	11.0	7.6	
16	20.5	10.4	6.6	4.1
20	18.9	9.7	6.2	3.9
28	15.2	8.7	5.6	3.6
36	10.4	8.0	5.2	3.4
44	7.3	7.2	4.9	3.2
55	4.6	5.1	4.5	3.0
65		3.4	3.7	2.9
70			3.0	2.9
75				2.6

Hauptausleger 59 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
6.9	t	t	t	t
11	20.9	10.8		
14	19.9	10.4	6.6	
16	19.0	10.0	6.4	4.0
20	17.7	9.4	6.0	3.9
28	14.0	8.5	5.5	3.6
36	9.6	7.9	5.2	3.4
44	7.0	6.7	4.9	3.2
55	4.3	4.8	4.4	3.0
60	3.4	3.9	4.0	3.0
70		2.4	2.7	2.8
75			2.1	2.3

Hauptausleger 65 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
7.2	t	t	t	t
11	20.3	11.0		
14	18.0	9.9	6.4	
16	17.2	9.5	6.2	4.5
20	15.8	9.0	5.9	3.8
28	12.5	8.1	5.4	3.6
36	9.3	7.7	5.0	3.4
44	6.7	6.3	4.8	3.2
55	4.0	4.5	4.4	3.0
65	2.3	2.8	3.1	2.8
70		2.1	2.4	2.6
75				2.1

Hauptausleger 68 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
7.3	t	t	t	t
9	19.1	15.7		
11	18.0	15.3	10.6	
14	16.8	14.5	9.5	6.2
16	16.1	14.0	9.2	6.1
20	14.5	12.9	8.7	5.7
28	11.2	10.6	7.8	5.2
36	9.0	8.9	7.2	4.9
44	6.5	6.5	6.0	4.7
55	3.8	4.0	4.4	4.2
65	2.2	2.3	2.7	3.0
70				2.3

Hauptausleger 71 m

Radius (m)	Nadellänge (m)		
	11	14	17
7.3	t	t	t
9	19.1	15.7	
10	18.4	15.5	13.0
12	17.6	15.1	12.7
14	16.8	14.5	12.4
16	16.1	14.0	11.3
20	14.5	12.9	10.7
28	11.2	10.6	9.6
36	9.0	8.9	8.8
44	6.5	6.5	6.5
55	3.8	4.0	4.2
65	2.2	2.3	2.5

Traglasten in t mit feststehendem Nadelausleger (No. 0806.xx) 50.9 t Ballast + 20 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - festst. Nadelausleger (No. 0806.xx)

Offset 30°

Hauptausleger 17 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
8	t	t	t	t
14	24.0	10.2		
18	18.0	9.2	5.9	
22	15.7	8.4	5.4	3.5
24	14.9	8.1	5.2	3.4
26	14.4	7.8	5.0	3.3
28	13.9	7.5	4.9	3.3
36		6.8	4.5	3.1
38			4.5	3.1
42			4.4	3.0
44				3.0
48				2.9

Hauptausleger 26 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
8.3	t	t	t	t
14	24.0	11.7		
18	19.9	9.6	6.0	
22	17.7	8.9	5.6	3.5
24	16.8	8.6	5.4	3.4
28	15.4	8.1	5.1	3.3
32	13.9	7.7	4.9	3.2
34	12.7	7.5	4.8	3.2
36	11.6	7.3	4.8	3.1
44		6.8	4.6	3.0
50			4.4	2.8
55				2.7

Hauptausleger 35 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
8.6	t	t	t	t
15	23.4	9.8		
18	20.1	9.2	6.6	
22	19.3	8.6	5.4	3.5
28	16.4	8.1	5.1	3.3
32	13.6	7.7	4.9	3.2
36	11.4	7.4	4.8	3.1
40	9.6	7.1	4.7	3.1
42	8.9	7.0	4.6	3.0
50		6.5	4.5	2.9
55			4.4	2.8
60				2.8

Hauptausleger 44 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
8.9	t	t	t	t
15	22.1	9.8		
19	19.3	9.2	5.7	
24	18.0	8.6	5.4	3.4
28	15.9	8.3	5.2	3.3
36	11.0	7.8	4.9	3.2
44	7.9	7.2	4.7	3.0
48	6.7	6.7	4.6	3.0
50	6.2	6.5	4.6	3.0
60		4.6	4.4	2.9
65			4.1	2.9
70				2.8

Hauptausleger 53 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
9.3	t	t	t	t
15	20.6	10.1		
19	18.1	8.7	5.5	
24	16.3	8.2	5.2	3.4
28	15.0	7.9	5.0	3.3
36	10.4	7.6	4.8	3.2
44	7.5	6.8	4.6	3.1
48	6.3	6.4	4.5	3.0
55	4.7	5.3	4.4	3.0
65		3.5	3.8	2.9
70			3.1	2.9
80				2.1

Hauptausleger 59 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
9.5	t	t	t	t
16	19.3	8.7		
19	16.5	8.5	5.3	
24	14.8	8.0	5.1	3.3
28	13.4	7.7	4.9	3.3
36	9.9	7.4	4.7	3.1
44	7.2	6.5	4.6	3.0
48	6.0	6.1	4.5	3.0
55	4.4	5.1	4.4	2.9
60	3.5	4.1	4.0	2.9
70		2.5	2.9	2.8
75			2.2	2.5

Hauptausleger 65 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
9.7	t	t	t	t
16	17.6	8.4		
20	14.7	8.0	5.2	
24	13.6	7.7	5.0	3.3
28	12.2	7.4	4.8	3.2
36	9.6	7.0	4.6	3.1
44	6.9	6.3	4.5	3.0
48	5.8	5.8	4.4	3.0
55	4.1	4.8	4.3	2.9
65	2.4	3.0	3.4	2.8
70		2.3	2.6	2.6
75				2.3

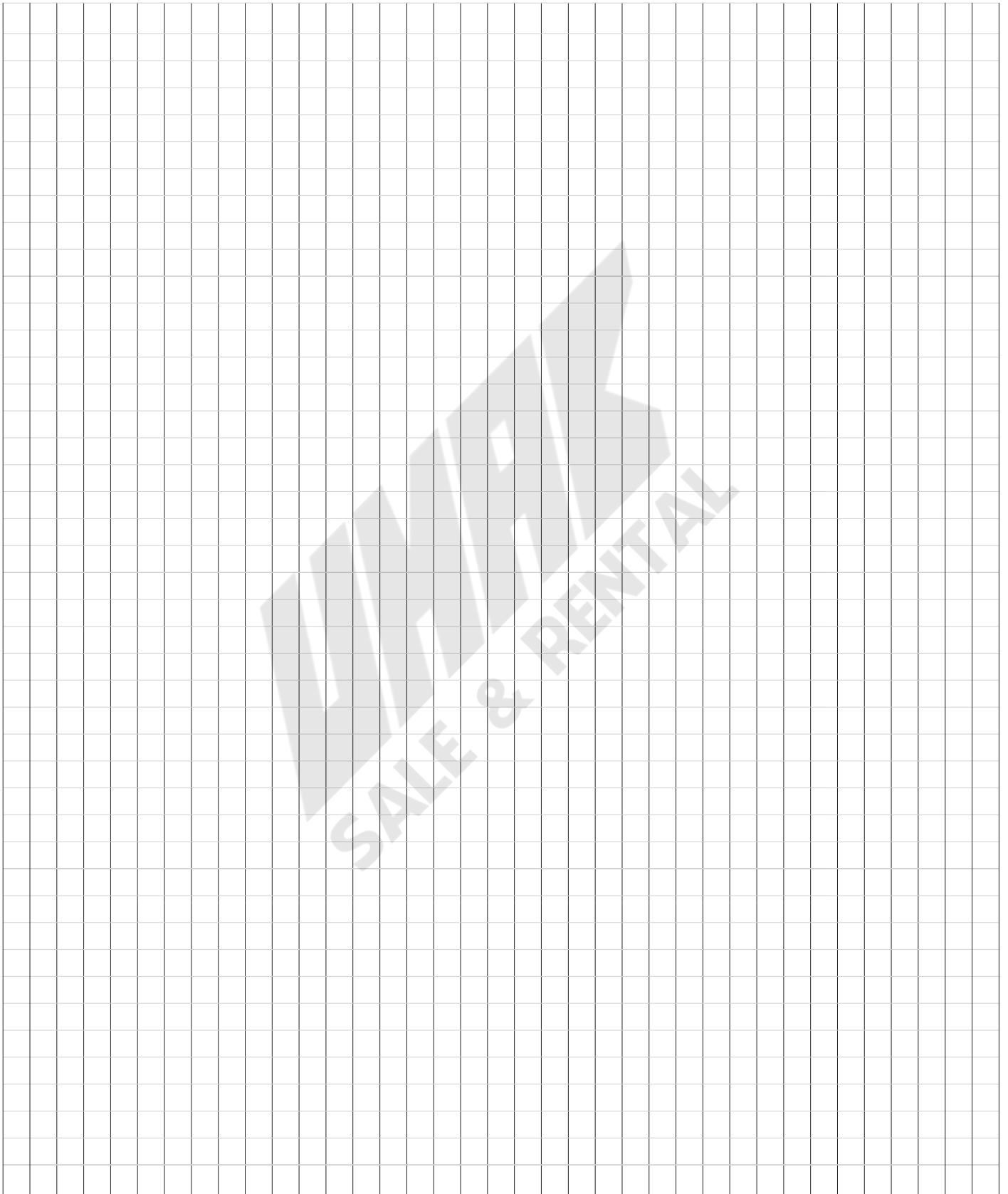
Hauptausleger 68 m

Radius (m)	Nadellänge (m)			
	11	14	20	26
9.8	t	t	t	t
12	16.5	13.6		
16	14.9	13.0	8.1	
20	13.5	12.2	7.8	5.1
24	12.4	10.7	7.5	4.9
28	11.2	10.1	7.2	4.7
36	9.3	9.0	6.7	4.6
44	6.6	6.6	6.0	4.5
48	5.6	5.8	5.5	4.4
55	4.0	4.2	4.7	4.1
65	2.3	2.5	2.9	3.2
70			2.1	2.5

Hauptausleger 71 m

Radius (m)	Nadellänge (m)		
	11	14	17
9.9	t	t	t
12	15.4	12.9	
14	14.5	12.6	10.1
16	13.8	12.3	9.9
20	12.7	11.0	9.5
28	10.4	9.5	8.5
36	8.9	8.3	7.6
40	7.5	7.5	7.3
44	6.3	6.4	6.4
48	5.4	5.5	5.5
55	3.8	4.1	4.3
65	2.1	2.3	2.5

Traglasten in t mit feststehendem Nadelausleger (No. 0806.xx) 50.9 t Ballast + 20 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.



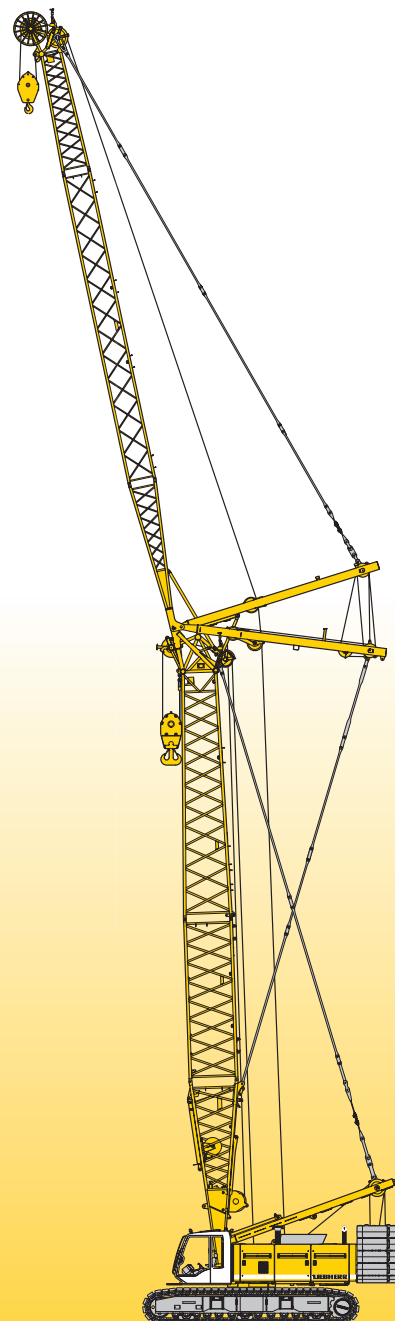
WMAR
SALE & RENTAL

Technical data
Hydraulic lift crane

LR 1130
Litronic®

Complies with ANSI B 30.5

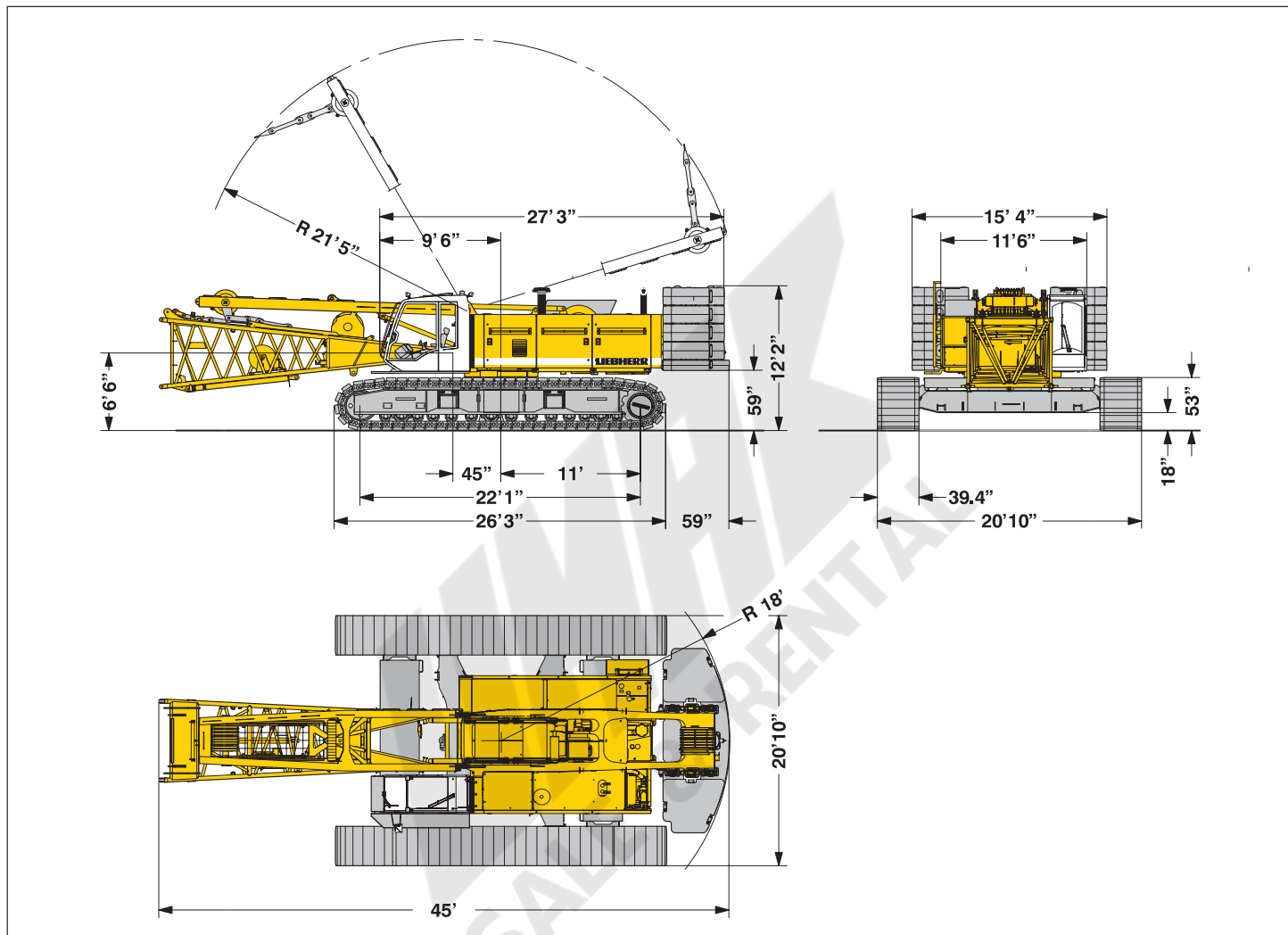
UMAX
SALE & RENTAL



LIEBHERR

Dimensions

Basic machine with undercarriage



Operating weight

The operating weight includes the basic machine with crawlers, 2 main winches 26,500 lbs and 56 ft main boom, consisting of A-frame, boom foot (23 ft), boom head (33 ft), 111,300 lbs basic counterweight, 33,100 lbs carbody counterweight and 308,650 lbs hook block.

Total weight _____ appr. 305,300 lbs

Ground pressure

Ground bearing pressure _____ 14.6 psi

Equipment

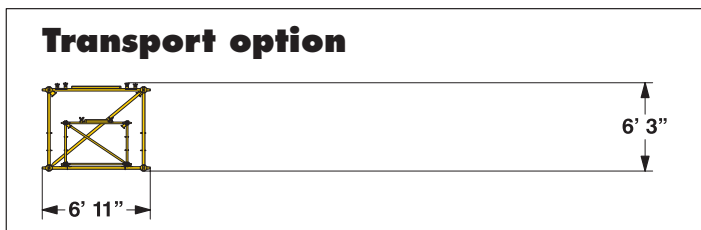
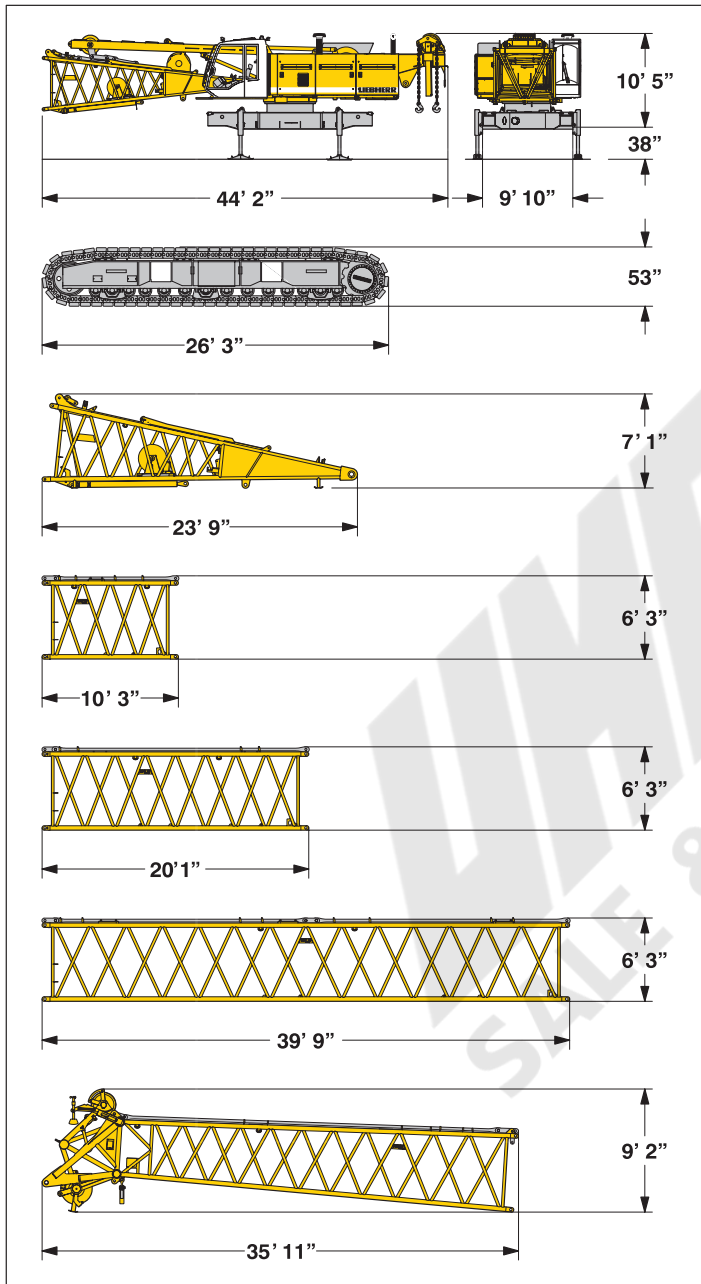
Main boom (No. 2017.xx) max. length _____ 262 ft
 High reach (No. 2017.xx and 1309.xx) _____ 305 ft
 Luffing jib (No. 1309.xx) max. length _____ 258 ft
 Max. combination _____ boom 154 ft and luffing jib 258 ft
 Fixed jib (No. 0806.xx) _____ 36 ft – 105 ft
 Auxiliary jib 53,000 lbs lifting capacity (optional 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 DIN 15019 / part 2 / chart 1 and ISO 4305 Table 1 + 2, tipping angle 4°.
9. The structures are calculated according to F.E.M. 1.001 – 1998 (EN 13001-2 / 2004).
10. ANSI B 30.5

Transport dimensions and weights

Basic machine and boom (No.2017.xx)



*) Including pendant straps

Basic machine

with A-frame, 2x 26,500 lbs crane winches and boom foot, without hoisting ropes, basic counterweight and crawlers

Width	11'6"
Weight in lbs	70,550

Crawler

2x

Flat track shoes	(option 47.2")	39.4"
Width		55"
Weight in lbs		36,400

Boom foot (No. 2017.24) without winches

Width	7'10"
Weight in lbs	5,300

Boom section (No. 2017.21)

10 ft

Width	6'11"
Weight in lbs*	1,450

Boom section (No. 2017.21)

20 ft

Width	6'11"
Weight in lbs*	2,300

Boom section (No. 2017.21)

40 ft

Width	6'11"
Weight in lbs*	4,200

Boom head (No. 2017.21)

Width	6'11"
Weight in lbs*	6,950

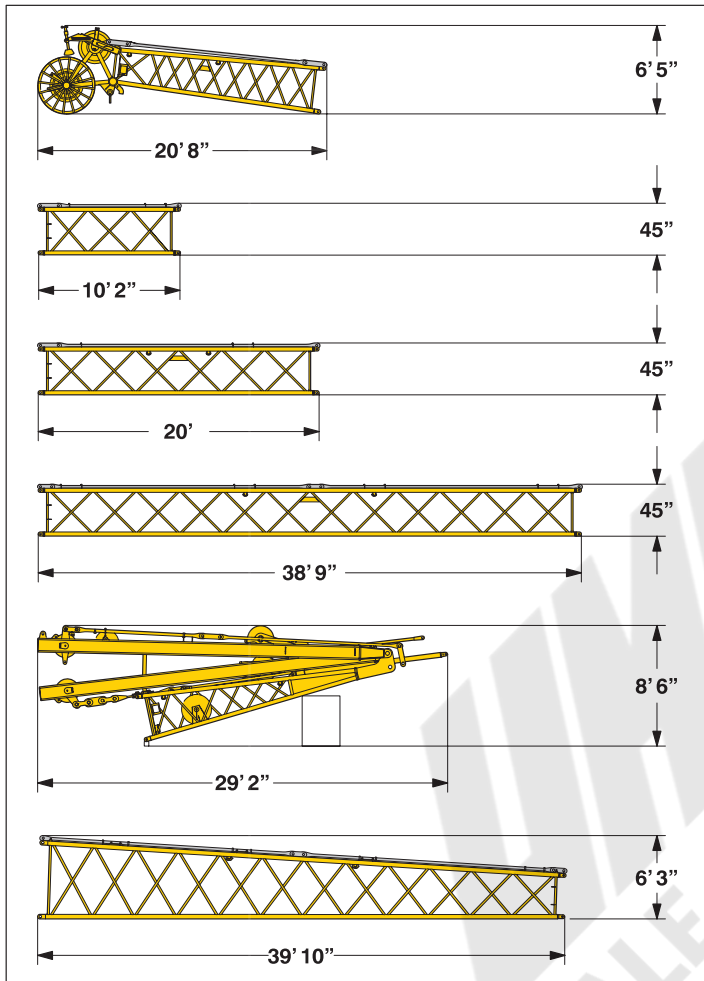
Boom - luffing jib transport option

40 ft boom – and 38 ft jib extension
20 ft boom – and 20 ft jib extension

(No. 2017.xx/1309.xx)	20 ft/20 ft	40 ft/38 ft
Width	20'1"	40'
Weight in lbs*	3,450	6,300

Transport dimensions and weights

Luffing jib (No. 1309.xx)



Luffing jib head (No. 1309.22)

Width	59"
Weight in lbs*	2,500

Luffing jib section (No. 1309.20) **10 ft**

Width	59"
Weight in lbs*	930

Luffing jib section (No. 1309.20) **20 ft**

Width	59"
Weight in lbs*	1,150

Luffing jib section (No. 1309.20) **38 ft**

Width	59"
Weight in lbs*	2,100

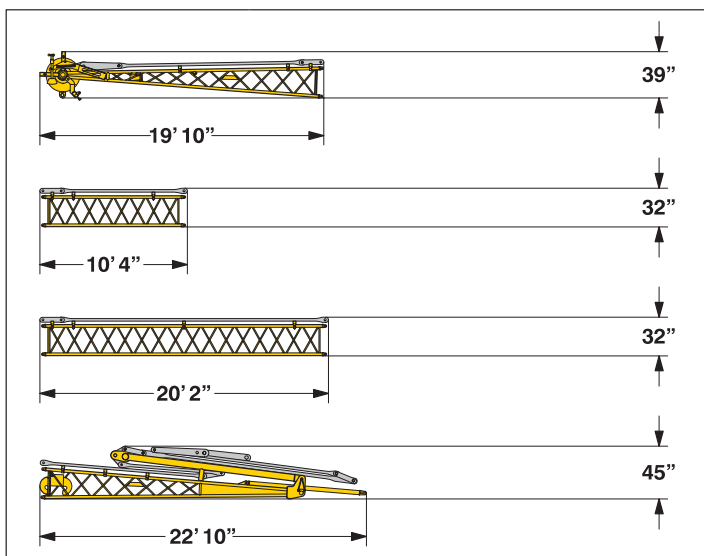
Luffing jib foot with A-frames (No. 1309.22)

Width	5'7"
Weight in lbs*	10,600

Boom section tapered (No. 2017/1309.21) **40 ft**

Width	6'11"
Weight in lbs*	3,000

Fixed jib (No. 0806.xx)



Fixed jib head (No. 0806.16)

Width	45"
Weight in lbs*	980

Fixed jib section (No. 0806.15) **10 ft**

Width	38"
Weight in lbs*	245

Fixed jib section (No. 0806.15) **20 ft**

Width	38"
Weight in lbs*	430

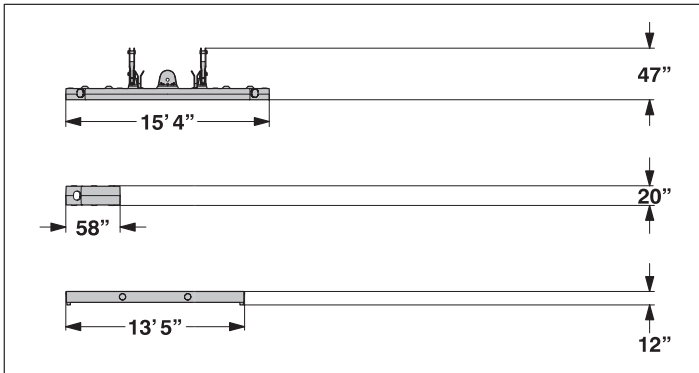
Fixed jib foot with A-frame (No. 0806.16)

Width	59"
Weight in lbs*	2,050

*) Including pendant straps

Transport dimensions and weights

Counterweights



Counterweight **1x**

Width	63"
Weight in lbs	21,400

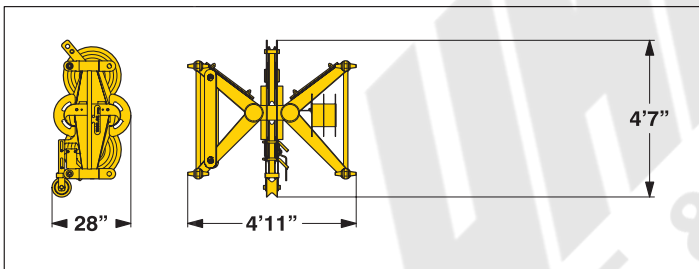
Counterweight **8x**

Width	54"
Weight in lbs	11,250

Carbody counterweight **2x**

Width	45"
Weight in lbs	16,500

Mid fall (option)



Mid fall section (No. 1309.32) **14"**

Width	28"
Weight in lbs	600

Hooks



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, 322 HP at 2000 rpm
Engine type _____ Liebherr D 926 T1-E
Fuel tank _____ 219 gal capacity with continuous level indicator and reserve warning
Complies with EPA CARB II / TIER II / and 97/68 EC TIER II OFF-ROAD



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 _____ 46 sec. from 15° to 78°



Boom winch

Line pull _____ max. 33,100 lbs
Rope diameter _____ 24 mm
Boom up _____ 96 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.
Free swing with hydraulic moment control reduces wear to a minimum. Alternatively the swing control can be changed to simulate closed loop speed control. Then a multi-disc holding brake acts automatically at zero swing motion.
Swing speed from 0 – 3.15 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 _____ 39.4 inch
Drive speed _____ 0 – 1.3 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 10 languages available).

The cranes are equipped with proportional control for all main movements, which can be carried out simultaneously.

A backup control system, that allows limited use of the crane is standard. This feature increases the safety and availability of the crane even further.

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.

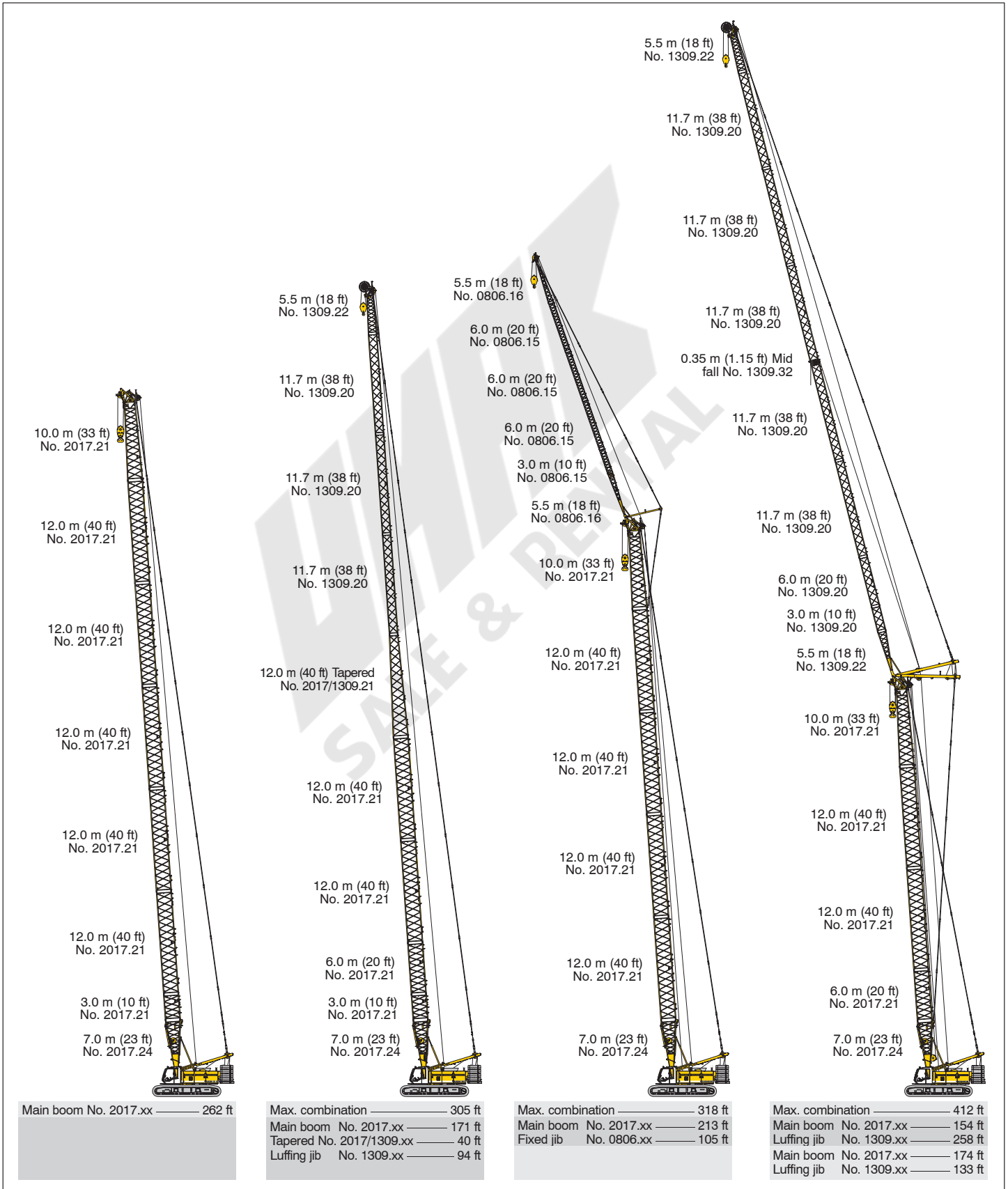
The crawlers are activated by the two central foot pedals. Additionally, hand levers can be attached to the pedals.



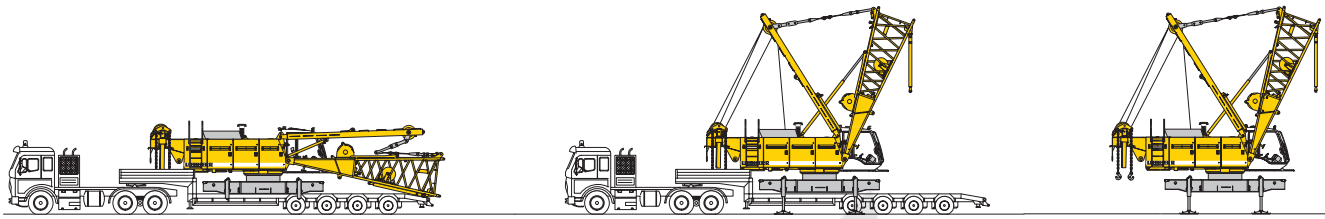
Noise emission

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

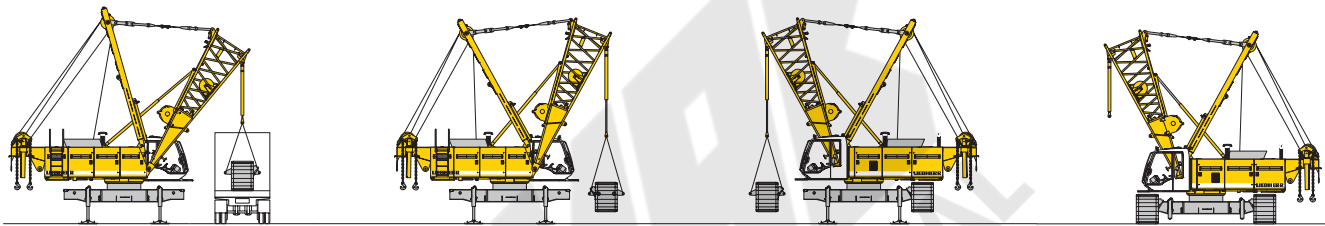
Boom combinations



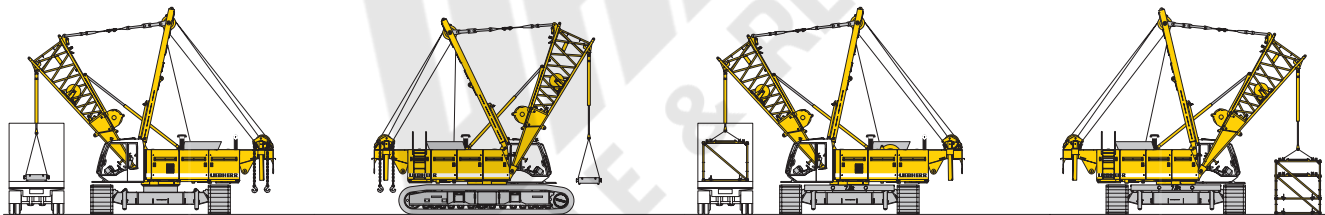
Self assembly system



Unloading of basic machine

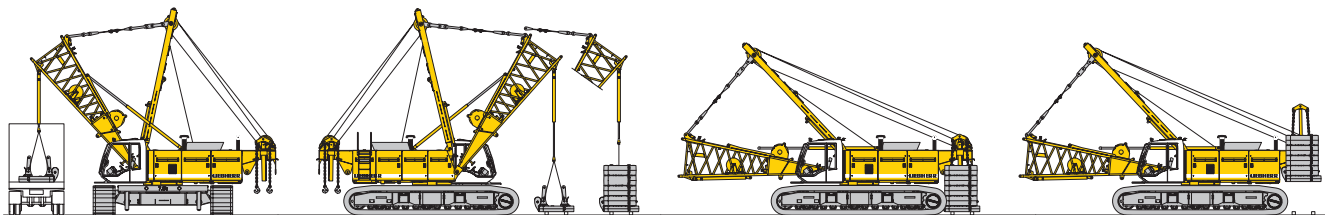


Unloading and assembly of crawlers

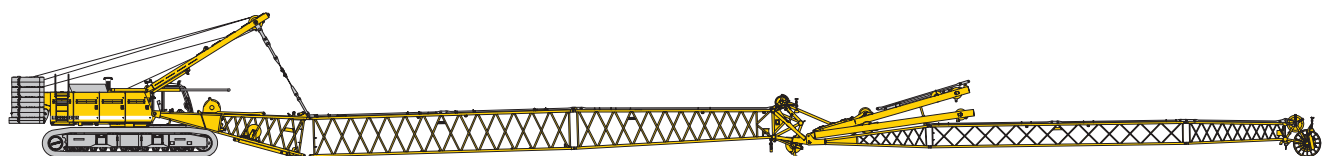


Unloading and assembly of carbody counterweight

Unloading and assembly of boom

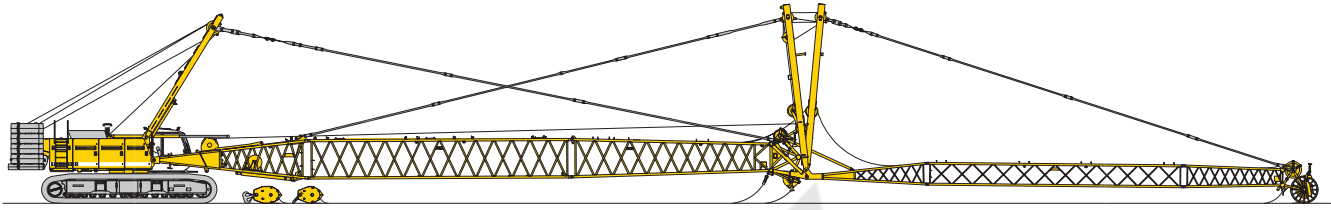


Unloading and assembly of counterweight



Assembly of boom

Erecting of main boom to working position



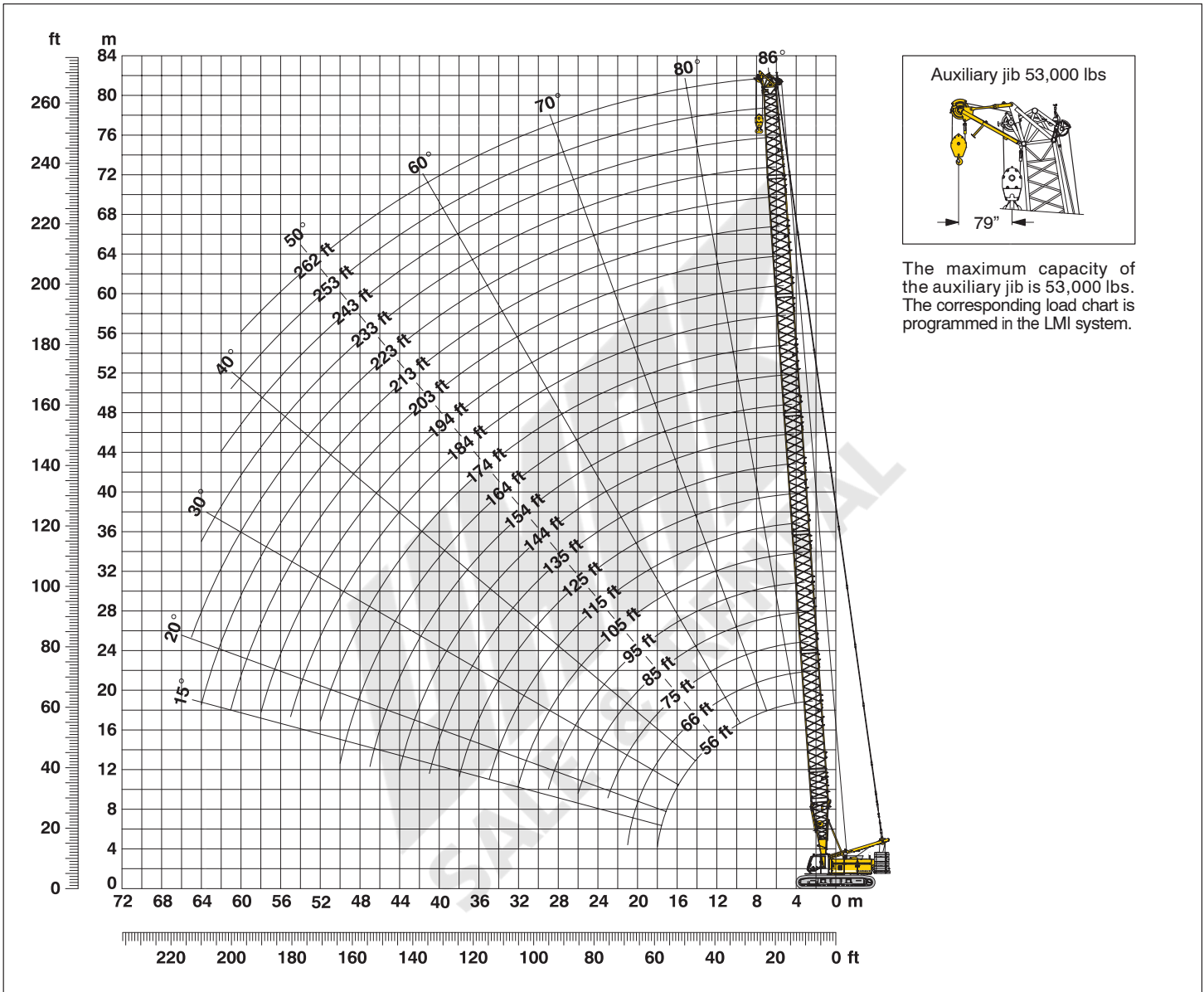
Reeving of hoist and jib ropes



Erecting of main boom and luffing jib

Working position

Working range - main boom (No. 2017.xx) **86° - 15°**
max. 111,300 lbs counterweight and 33,100 lbs carbody counterweight



Main boom configuration (Table 1 – No. 2017.xx)

Configuration for boom lengths (56 ft – 262 ft)		Amount of boom extensions																					
Length		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Boom foot	23 ft	1	1	1	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		
Boom insert	20 ft*			1	1		1	1		1	1		1	1		1	1		1	1		1	
Boom insert	40 ft*				1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	
Boom head	33 ft*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Boom length (ft)		56	66	75	85	95	105	115	125	135	144	154	164	174	184	194	203	213	223	233	243	253	262

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

Lift chart for main boom (No. 2017.xx)

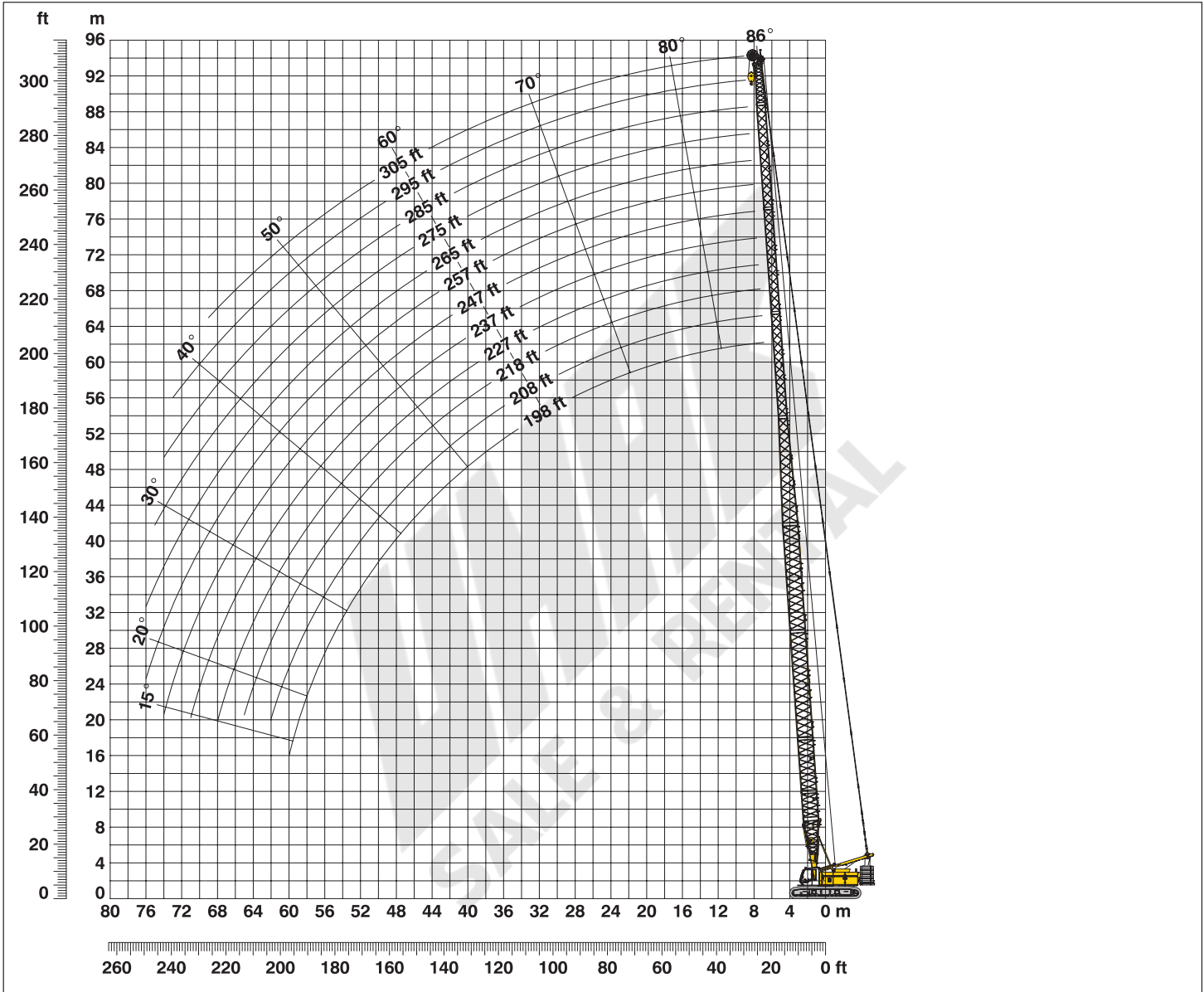
Capacities in 1000 lbs for boom lengths from (56 ft – 262 ft) – with 26,500 lbs winches counterweight 111,300 lbs and carbody counterweight 33,100 lbs

Radius (ft)	Boom length in (ft)												Radius (ft)	
	56 lbs	66 lbs	85 lbs	105 lbs	125 lbs	144 lbs	164 lbs	184 lbs	203 lbs	223 lbs	243 lbs	262 lbs		
11.6		302.5												11.6
15	266.5	283.3	245.2	207.1										15
20	208.8	217.2	196.5	186.9	161.5	139.5	119.8	100.1						20
25	168.2	174.0	166.4	164.2	146.1	127.4	113.2	97.9	83.3	68.5	57.2			25
30	147.3	140.1	141.6	139.2	135.2	116.9	106.8	94.8	80.7	66.8	56.5	46.3		30
35	119.0	119.1	119.0	118.0	115.7	109.0	99.2	91.5	77.5	65.2	55.2	45.1		35
40	98.7	98.8	98.6	98.5	98.2	94.7	94.1	89.1	75.2	63.0	53.7	44.2		40
45	84.0	84.1	83.9	83.8	83.4	83.1	82.7	82.3	73.5	61.2	50.6	42.5		45
50	72.9	72.9	72.8	72.6	72.3	71.9	71.5	70.8	68.9	59.9	49.5	41.1		50
55	64.1	64.2	64.1	63.9	63.5	63.2	62.7	62.3	61.8	56.7	48.5	40.0		55
60		57.2	57.1	56.9	56.5	56.1	55.6	55.2	54.7	53.8	46.7	38.7		60
65		51.3	51.3	51.1	50.7	50.3	49.9	49.4	48.9	48.4	45.1	37.2		65
70			46.5	46.3	45.9	45.5	45.0	44.6	44.0	43.5	43.0	35.8		70
80			38.8	38.7	38.3	37.9	37.4	36.9	36.3	35.8	35.3	33.5		80
85			35.7	35.6	35.2	34.8	34.3	33.8	33.3	32.8	32.2	31.7		85
90				32.9	32.5	32.1	31.6	31.1	30.6	30.0	29.5	28.9		90
100				28.4	28.0	27.6	27.1	26.6	26.2	25.7	25.1	24.5		100
110					24.5	24.1	23.6	23.1	22.5	22.0	21.4	20.9		110
120					21.4	21.1	20.6	20.1	19.5	19.0	18.4	17.9		120
130						18.6	18.1	17.6	17.0	16.5	15.9	15.4		130
140						16.4	16.0	15.5	14.9	14.4	13.8	13.2		140
150							14.1	13.7	13.1	12.6	12.0	11.4		150
160							12.5	12.1	11.5	11.0	10.4	9.8		160
170								10.7	10.1	9.6	9.0	8.4		170
180								9.4	8.9	8.4	7.8	7.2		180
190									7.8	7.3	6.7	6.1		190
200									6.7	6.3	5.7	5.1		200
210										5.4	4.8	4.2		210
215										4.9	4.4	3.8		215
220											4.0	3.4		220
225											3.6	3.0		225
230											3.2	2.7		230
235											2.8	2.3		235

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

L - boom high reach (No. 2017 / 1309.xx) **198 ft - 305 ft**

Working range **86° - 15°**



L - boom configuration with 131 ft main boom (No. 2017.xx / No. 1309.xx)

Configuration for L - boom lengths (198 ft - 323 ft)

Configuration	Length	Amount of boom and luffing jib extensions											
		1	1	1	1	1	1	1	1	1	1	1	1
Boom foot	23 ft	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
Boom insert	20 ft*	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
Tapered	40 ft*	1	1	1	1	1	1	1	1	1	1	1	1
Luffing insert	10 ft*	1		1		1		1		1		1	
Luffing insert	20 ft*		1	1			1	1			1	1	
Luffing insert	38 ft*				1	1	1	1	2	2	2	2	3
Luffing jib head	18 ft	1	1	1	1	1	1	1	1	1	1	1	1
Max. L - boom length (ft)		198	208	218	227	237	247	257	265	275	285	295	304

*Actual lengths of boom sections are metric (e.g. 3 m, 6 m, 11.7 m, 12 m). The figures shown above are approximate conversions to feet.

Lift chart for L – boom (No. 2017 / 1309.xx)

Main boom length 131 ft

Capacities in 1000 lbs
counterweight 111,300 lbs and carbody counterweight 33,100 lbs

Radius (ft)	Boom length in (ft)				
	198	237	265	295	304
19.4	94.9				
20	94.9				
25	93.6	56.8	36.3		
30	90.8	54.7	35.2	22.9	20.8
40	79.5	49.5	32.2	20.8	18.7
50	63.3	45.9	29.5	18.9	16.9
60	49.9	42.6	27.0	17.2	15.4
70	45.2	39.3	24.3	15.9	14.1
80	39.0	36.1	22.5	14.6	13.0
90	33.3	32.7	20.4	13.6	12.1
100	28.8	28.4	18.4	12.3	11.0
110	25.3	24.8	16.9	11.1	9.8
120	22.3	22.0	15.8	10.2	8.9
130	19.8	19.5	14.9	9.6	8.3
140	17.7	17.4	14.2	9.1	7.9
150	15.9	15.6	13.4	8.7	7.5
160	14.3	14.0	12.7	8.3	7.2
170	13.0	12.6	12.2	7.9	6.8
180	11.7	11.4	11.1	7.6	6.5
195	10.1	9.8	9.5	7.1	6.2
210		8.5	8.2	6.6	5.8
220		7.7	7.4	6.4	5.6
230		6.9	6.7	6.0	5.5
240			6.0	5.2	5.0
250			5.1	4.4	4.2
255			4.7	4.1	3.8
270				3.1	2.9
280				2.4	2.3
285				2.0	

Main boom length 171 ft

Capacities in 1000 lbs
counterweight 111,300 lbs and carbody counterweight 33,100 lbs

Radius (ft)	Boom length in (ft)				
	238	258	276	296	305
22.2	65.7				
25	65.7	51.8	41.8		
30	64.6	50.7	41.1	32.3	28.6
40	61.1	47.8	38.9	30.3	24.6
50	54.7	45.1	36.5	28.3	22.5
60	48.5	42.2	34.1	25.0	20.8
70	40.3	37.5	32.1	23.7	19.2
80	35.2	33.1	29.8	22.1	17.8
90	31.7	29.7	27.9	21.0	16.6
100	27.7	27.0	24.1	19.5	15.5
110	24.2	24.0	23.0	18.1	14.1
120	21.2	21.0	20.8	17.1	13.1
130	18.7	18.5	18.4	15.8	12.3
140	16.6	16.4	16.3	14.7	11.7
150	14.8	14.6	14.4	13.9	11.2
160	13.2	13.0	12.9	12.5	10.7
170	11.9	11.6	11.5	11.1	9.9
180	10.6	10.4	10.3	9.9	9.2
190	9.5	9.3	9.2	8.9	8.6
200	8.6	8.4	8.2	7.7	7.8
210	7.7	7.5	7.3	6.6	6.7
220	6.9	6.7	6.4	5.7	5.7
230	6.1	5.9	5.5	4.8	4.9
240		5.0	4.7	3.9	4.0
245		4.5	4.3	3.5	3.6
250		4.1	3.9	3.1	3.2
255			3.5	2.7	2.8
260			3.1	2.4	2.4
265			2.7	2.1	2.0

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 171 ft main boom (No. 2017.xx / No. 1309.xx)

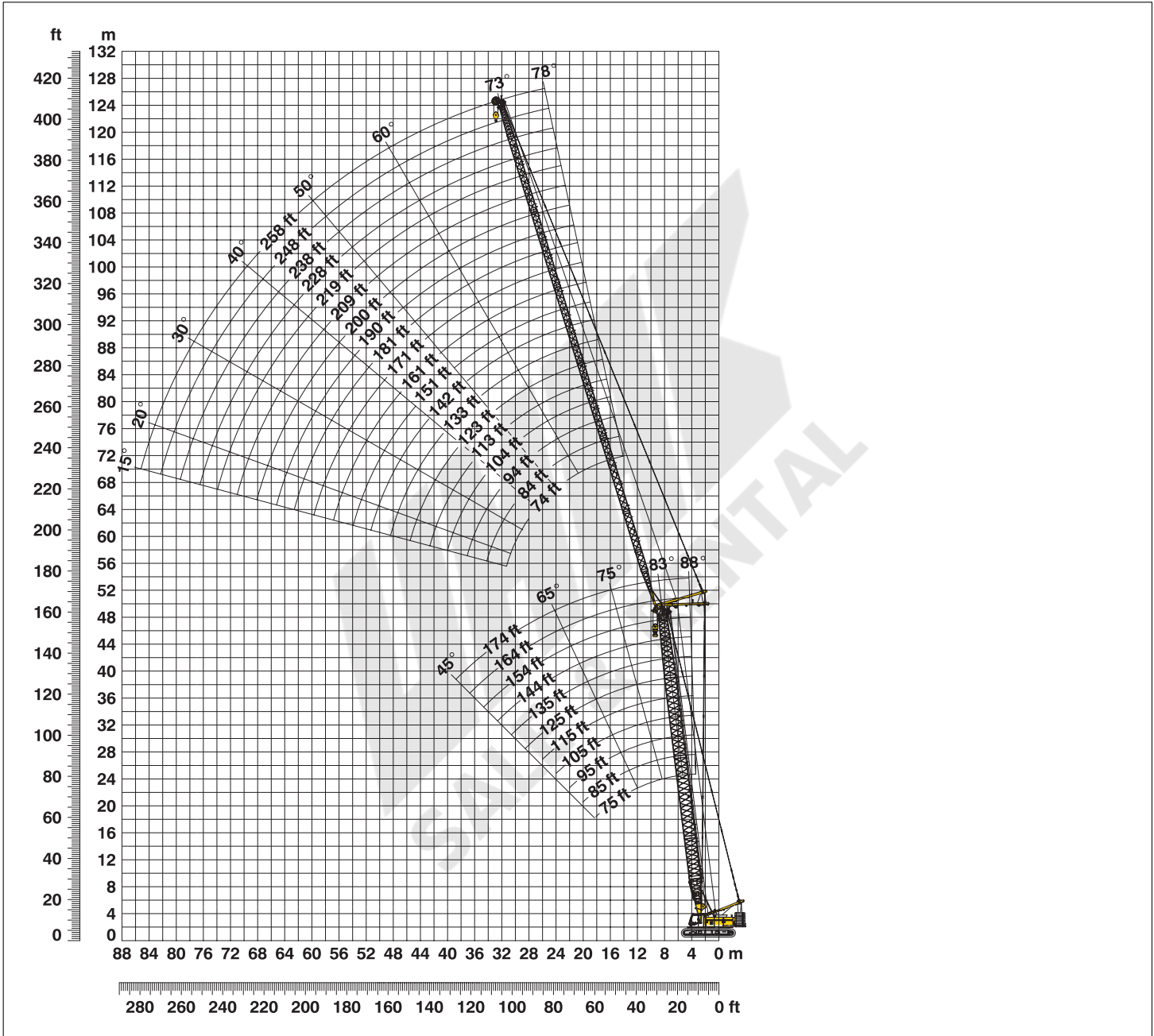
Configuration for L – boom lengths (238 ft – 305 ft)

Length	Amount of boom and luffing jib extensions									
	238	248	258	266	276	286	296	305		
Boom foot	1	1	1	1	1	1	1	1	1	
Boom insert	1	1	1	1	1	1	1	1	1	
Boom insert	1	1	1	1	1	1	1	1	1	
Boom insert	3	3	3	3	3	3	3	3	3	
Tapered	1	1	1	1	1	1	1	1	1	
Luffing insert	1		1		1		1		1	
Luffing insert		1	1			1	1			
Luffing insert				1	1	1	1		2	
Luffing jib head	1	1	1	1	1	1	1	1	1	
Max. L – boom length (ft)	238	248	258	266	276	286	296	305		

*Actual lengths of boom sections are metric (e.g. 3 m, 6 m, 11.7 m, 12 m). The figures shown above are approximate conversions to feet.

Working range - luffing jib (No. 1309.xx) 78° - 15°

Main boom 88° - 45°



Boom configuration for main boom lengths (75 ft - 174 ft) – see table 1 on page 10

Jib configuration for jib lengths (74 ft - 258 ft) (No. 1309.xx)

	Length	Amount of luffing jib extensions																			
Luffing jib foot	18 ft	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Luffing jib insert	10 ft*		1		1		1		1		1		1		1		1		1		
Luffing jib insert	20 ft*			1	1			1	1			1	1			1	1			1	
Luffing jib insert	38 ft*	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	
Luffing jib head	18 ft	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Luffing jib length (ft)		74	84	94	104	113	123	133	142	151	161	171	181	190	200	209	219	228	238	248	258

*Actual lengths of boom sections are metric (e.g. 3 m, 6 m, 11.7 m). The figures shown above are approximate conversions to feet.

Lift chart – tower crane (No. 1309.xx)

Main boom angle 88°

Main boom 75 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
26.7	104.9							
35	94.3	84.9	69.7					
40	85.6	79.7	67.9	54.4				
45	76.8	74.0	65.3	53.1	36.5			
55	65.8	63.5	59.2	50.2	34.8	20.3		
60	61.3	59.0	55.8	48.8	33.7	19.8	15.0	
65	56.7	55.0	53.3	46.6	32.8	19.6	14.8	10.2
80	26.6	43.8	43.5	40.6	30.4	18.8	13.6	9.1
100		26.6	33.1	32.8	27.1	17.7	12.5	8.0
115			27.8	27.5	24.8	16.9	11.8	7.3
135				22.4	21.6	15.9	11.0	6.6
160					17.5	14.7	10.2	5.9
200						11.4	9.4	5.2
225							8.2	4.9
240								4.8
255								4.7

Main boom 105 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
27.7	92.1							
35	84.1	73.4						
40	77.3	69.6	60.6	47.7				
50	67.3	62.1	55.8	46.3	33.5			
55	62.7	58.9	53.4	45.3	32.8	19.8		
60	59.2	55.8	49.9	44.5	32.0	19.7	14.7	
70	51.1	49.2	46.3	41.1	30.7	19.1	13.6	9.3
80	44.0	43.8	42.3	38.4	29.2	18.3	13.1	8.7
100		33.3	33.1	32.8	26.7	16.9	12.1	7.7
115			27.8	27.5	20.2	16.0	11.3	7.1
135				18.5	16.5	14.9	10.6	6.4
165					13.7	13.2	9.8	5.6
200						10.2	9.1	5.1
225							8.3	4.8
240								4.7
255								4.6

Main boom 125 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
28.4	77.4							
35	72.0	63.7						
40	67.7	60.5	53.7					
45	63.0	57.4	50.9	42.2				
50	59.3	54.4	48.7	41.6	31.0			
55	55.4	50.9	46.8	40.5	30.4	19.9		
65	49.6	46.3	43.1	38.1	29.3	18.2	13.2	
70	47.3	44.1	41.3	36.8	28.8	17.9	13.0	8.9
80	42.8	40.3	37.8	34.5	27.3	17.2	12.5	8.4
100		33.3	32.0	30.2	21.5	15.9	11.6	7.5
120			17.1	15.6	17.5	14.7	10.8	6.7
135				14.5	14.7	13.9	10.3	6.3
165					11.9	12.1	9.5	5.5
200						9.4	8.9	4.9
220							7.7	4.7
255								4.4

Main boom 154 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
29.4	61.1							
35	57.9	51.0						
40	54.6	48.6	42.9					
45	50.6	46.0	41.3	35.0				
50	48.6	43.9	39.5	34.4	25.1			
60	43.7	40.2	36.2	32.4	24.1	16.4		
65	41.5	38.1	34.8	31.2	23.5	16.0	12.0	
70	39.4	36.4	33.5	30.0	23.1	15.8	11.9	8.1
80	36.6	33.8	30.8	28.1	21.7	15.2	11.5	7.8
85	20.3	32.6	29.8	27.0	21.0	14.9	11.2	7.6
100		28.3	16.1	17.4	18.0	14.0	10.7	7.0
120			13.3	13.2	14.1	12.8	10.0	6.4
140				11.3	11.1	11.7	9.4	5.9
200						7.6	8.3	4.7
230							5.7	4.4
260								4.2

Main boom 164 ft

Radius (ft)	Jib length in (ft)						
	74	94	113	133	161	181	199
29.8	56.8						
35	53.9	47.4					
40	50.5	45.2	39.8				
45	47.6	42.8	38.5	32.7			
50	45.4	40.9	36.7	32.0	23.1		
55	42.8	38.8	35.4	31.1	22.7	18.8	
60	40.8	37.3	33.8	30.2	22.3	18.3	15.6
70	37.7	33.9	31.3	28.0	21.2	17.5	15.0
80	35.0	31.0	28.7	24.1	19.9	16.9	14.4
85	18.5	29.6	27.8	21.1	19.3	16.3	14.2
100		15.1	14.8	14.6	16.2	15.1	13.2
120			11.8	11.8	12.1	12.4	12.1
140				10.2	10.1	10.6	11.0
165					8.6	9.2	9.6
185						8.1	8.6
205							7.0

Main boom 174 ft

Radius (ft)	Jib length in (ft)						
	74	84	94	104	113	123	133
30.1	51.5						
35	49.4	46.4	43.7				
40	46.6	44.0	41.8	39.3	36.9		
45	44.1	42.0	39.7	37.7	35.8	32.9	30.6
50	42.1	39.7	38.0	36.0	34.2	32.0	29.9
60	37.9	36.1	34.8	32.9	31.5	29.7	28.1
70	34.8	33.1	31.6	30.3	29.1	27.4	24.5
80	31.9	30.7	29.4	28.0	26.8	21.7	22.8
85	17.6	29.6	28.3	27.1	16.6	19.0	20.5
95		15.2	15.1	15.1	14.5	15.2	16.6
100			14.2	14.2	13.8	14.3	15.2
110					12.9	12.7	13.4
120						11.8	11.7
130							10.7
135							10.3
140							9.9

Capacities in 1000 lbs with luffing jib (No. 1309.xx) 111,300 lbs counterweight + 33,100 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. 1309.xx)

Main boom angle 83°

Main boom 75 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
39.7	97.4							
50	76.5	76.1						
55	67.8	67.5	64.7					
60	60.9	60.5	60.2	50.8				
65	55.1	54.8	54.5	49.7	33.7			
80	42.7	42.5	42.2	41.8	31.6	19.9		
85	39.6	39.4	39.1	38.7	30.8	19.5	14.0	
95		34.4	34.1	33.7	29.6	18.7	13.1	8.5
105		26.6	30.1	29.8	27.6	17.9	12.7	8.0
120			25.5	25.2	24.7	17.0	11.9	7.4
140				20.6	20.2	16.0	11.1	6.7
170					15.4	14.7	10.2	5.8
205						11.0	9.4	5.2
235							8.0	4.9
240								4.9
265								4.7

Main boom 105 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
43.3	80.5							
50	74.1	67.8						
55	67.0	64.6	57.6					
65	54.4	54.0	53.6	45.6				
70	49.7	49.3	49.0	44.4	31.8			
80	42.2	41.9	41.5	41.1	30.6	19.7		
90	36.5	36.2	35.9	35.5	29.3	18.5	12.9	
100		31.8	31.5	31.2	28.2	17.8	12.4	8.0
110		26.4	28.0	27.6	26.7	17.2	12.0	7.7
125			23.5	21.8	21.9	16.4	11.3	7.1
145				18.8	17.9	15.4	10.6	6.4
170					14.9	13.9	9.9	5.7
210						10.4	9.1	5.0
235							8.0	4.7
240								4.7
265								4.6

Main boom 125 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
45.7	67.7							
55	60.4	56.5						
60	56.8	53.4	48.5					
65	51.2	49.6	46.4	41.0				
75	45.2	44.6	42.3	38.4	29.6			
85	38.7	38.4	38.1	35.8	28.3	17.7		
95	26.6	33.5	33.2	32.8	26.9	17.2	12.4	
100		31.5	31.2	30.8	24.8	16.9	12.1	8.0
110		27.9	27.7	27.3	22.4	16.3	11.7	7.5
130			18.3	17.0	18.4	15.2	10.8	6.7
150				15.1	15.0	14.3	10.2	6.1
175					12.4	12.5	9.5	5.5
240							7.5	4.6
270								4.4

Main boom 154 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
49.3	51.7							
55	49.4	44.2						
65	44.1	40.7	37.3					
70	41.5	38.7	35.7	32.0				
75	39.5	36.9	33.9	30.7	24.9			
90	34.8	32.1	29.7	27.4	22.5	15.5		
95	33.1	30.9	28.5	24.4	21.6	15.2	11.7	
105		28.9	20.8	20.7	20.4	14.8	11.0	7.2
115		16.8	17.8	18.1	18.1	14.2	10.7	7.0
130			15.2	14.9	15.6	13.4	10.1	6.5
150				12.6	12.6	12.1	9.6	5.9
180					10.0	10.2	8.9	5.2
245							5.9	4.4
275								4.3

Main boom 164 ft

Radius (ft)	Jib length in (ft)						
	74	94	113	133	161	181	199
50.5	47.4						
60	43.0	39.5					
65	40.8	37.5	34.3				
70	38.3	35.4	32.7	29.3			
80	34.9	32.0	29.7	27.2	22.0		
85	33.6	30.5	28.5	24.8	21.3	18.0	
90	32.5	29.4	27.2	23.9	20.7	17.7	14.7
95	31.0	28.3	22.0	22.7	19.9	17.2	14.6
115		16.4	16.6	16.4	16.6	15.5	13.4
130			13.6	14.2	13.8	13.2	12.5
150				11.9	11.2	11.0	11.1
180					8.9	9.0	9.1
200						8.0	8.0
215							7.2

Main boom 174 ft

Radius (ft)	Jib length in (ft)						
	74	84	94	104	113	123	133
51.7	43.2						
55	42.2	39.6					
60	39.6	37.8	36.3				
65	37.5	35.6	34.4	32.9	31.3		
70	35.2	33.9	32.4	31.3	30.0	28.4	26.7
80	32.0	30.4	29.3	28.3	27.1	24.7	23.8
90	29.8	28.1	26.9	23.2	23.0	22.8	21.8
95	28.5	27.2	21.9	21.8	21.1	21.3	21.0
105		17.8	17.9	18.5	18.3	18.7	18.8
115			15.7	15.9	16.0	16.4	17.0
125				14.1	14.2	14.5	15.0
135					12.6	13.0	13.3
145						11.6	12.0
155							10.8

Capacities in 1000 lbs with luffing jib (No. 1309.xx) 111,300 lbs counterweight + 33,100 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. 1309.xx)

Main boom angle 75°

Main boom 75 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
59.9	58.2							
70	48.0	47.5						
75	44.1	43.7						
80	40.7	40.4	40.0					
85	37.8	37.5	37.1	36.6				
95	33.0	32.7	32.3	31.9				
100		30.7	30.3	29.9	29.2			
115		25.8	25.5	25.1	24.5	17.7		
125			22.9	22.6	22.0	17.1	12.2	
130			21.8	21.4	20.8	16.9	11.8	
140				19.5	18.9	16.3	11.3	6.9
150				17.7	17.2	15.9	11.0	6.6
180					13.3	12.5	10.0	5.8
215						9.4	8.8	5.2
245							6.9	4.8
275								4.6

Main boom 105 ft

Radius (ft)	Jib length in (ft)								
	74	94	113	133	161	199	228	258	
67.5	48.3								
80	39.2	38.7							
85	36.4	36.0	35.5						
95	31.8	31.4	31.0	30.5					
100	29.8	29.4	29.0	28.6					
105		27.7	27.3	26.8	26.1				
120		23.4	23.1	22.7	22.0				
125			21.9	21.5	20.9	16.9			
135				19.9	19.5	18.8	16.4	11.3	
140				18.9	18.5	17.9	16.2	11.1	
145					17.7	17.1	15.9	10.9	6.7
160					15.4	14.9	14.0	10.4	6.3
190						11.5	10.8	9.6	5.5
225							8.0	7.5	5.0
255								5.8	4.7
280									4.0

Main boom 125 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
72.6	42.8							
85	35.3	34.8						
90	32.9	32.4	32.0					
100	28.9	28.5	28.1	27.5				
110	25.7	25.3	24.9	24.4	23.7			
130		20.4	20.1	19.7	19.0	16.0		
140			18.3	17.8	17.2	15.5	10.8	
145			17.4	17.0	16.4	15.3	10.7	
150				16.3	15.6	14.7	10.5	6.5
165				14.2	13.6	12.8	10.1	6.1
190					11.0	10.2	9.5	5.5
230						7.3	6.7	4.8
255							5.3	4.6
285								3.4

Main boom 154 ft

Radius (ft)	Jib length in (ft)								
	74	94	113	133	161	199	228	258	
80.2	35.9								
90	31.2	30.6							
100	27.4	26.9	26.5						
105	25.8	25.3	24.9	23.9					
115	23.0	22.6	22.2	21.7					
120		21.4	21.0	20.5	18.5				
135		18.4	18.0	17.5	16.8	12.9			
150			15.6	15.2	14.5	12.4	9.4		
155				14.9	14.5	13.8	12.2	9.3	
160					13.9	13.2	11.9	9.2	5.9
170					12.7	12.1	11.0	8.9	5.8
200						9.4	8.5	7.5	5.1
265								4.2	3.1
295									2.2

Main boom 164 ft

Radius (ft)	Jib length in (ft)						
	74	94	113	133	161	181	199
82.8	32.6						
95	28.6	27.4					
100	26.8	25.6	24.1				
105	25.3	24.4	23.4				
110	23.8	23.3	22.3	20.6			
115	22.5	22.1	21.3	20.0			
120	21.3	20.9	20.3	19.1	16.4		
130		18.9	18.5	17.5	15.6	13.7	
140		17.1	16.8	16.2	14.4	13.2	11.4
155			14.6	14.1	12.6	11.8	10.6
175				11.9	11.0	10.2	9.3
205					8.7	8.3	7.5
220						7.3	6.9
240							5.7

Main boom 174 ft

Radius (ft)	Jib length in (ft)						
	74	84	94	104	113	123	133
85.3	28.3						
90	27.3	25.9					
95	25.4	24.6	23.6				
100	24.3	23.5	22.9	22.0			
105	23.2	22.5	21.9	21.2	20.6		
110	22.1	21.6	20.9	20.3	19.7	18.9	17.8
115	21.2	20.4	20.2	19.3	18.8	18.0	17.5
120	20.6	19.5	19.1	18.6	17.9	17.3	16.7
130		18.3	17.4	16.9	16.5	15.8	15.3
140			16.5	15.6	15.1	14.6	14.2
150				14.8	14.1	13.4	13.0
160					13.3	12.7	12.1
170						12.0	11.5
180							10.9

Capacities in 1000 lbs with luffing jib (No. 1309.xx) 111,300 lbs counterweight + 33,100 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. 1309.xx)

Main boom angle 65°

Main boom 75 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
83.5	36.4							
95	31.0	30.6						
110	25.9	25.5	25.1					
120		22.9	22.5	22.0				
130		20.6	20.3	19.9				
135			19.3	18.9	18.2			
145			17.6	17.2	16.5			
160				15.0	14.4	13.5		
165				14.4	13.8	12.9		
175					12.6	11.8	10.3	
190					11.1	10.3	9.7	5.6
230						7.4	6.8	5.0
255							5.4	4.7
285								3.5

Main boom 105 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
96	28.4							
110	24.0	23.6						
120	21.5	21.1	20.7					
130		19.0	18.6	18.1				
140		17.2	16.9	16.4				
150			15.4	14.9	14.2			
160			14.0	13.6	12.9			
170				12.5	11.8	10.9		
180				11.5	10.8	9.9		
185					10.4	9.5	8.8	
205					8.8	7.9	7.3	5.3
240						5.8	5.2	4.3
270							3.8	3.1
300								2.1

Main boom 125 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
104.3	24.1							
120	20.2	19.7						
130	18.2	17.8	17.4					
140		16.1	15.7	15.2				
150		14.7	14.3	13.8				
155			13.7	13.2	12.4			
170			11.9	11.5	10.8			
180				10.6	9.9	8.9		
185				10.1	9.5	8.5		
210					7.6	6.7	5.8	4.5
215					7.3	6.4	5.5	4.3
250						4.6	3.9	2.8
260							3.6	2.4
275							3.0	

Main boom 154 ft

Radius (ft)	Jib length in (ft)						
	74	94	113	133	161	199	228
116.8	18.7						
130	15.1	15.8					
140	13.0	14.3	13.8				
155			12.4	12.0	11.4		
160		11.8	11.4	10.9			
170			10.4	9.9	9.1		
180			9.5	9.1	8.3		
190				8.3	7.6	6.0	
200				7.6	6.9	5.5	
205					6.6	5.2	4.0
220					5.8	4.5	3.4
225					5.5	4.3	3.1
255						3.2	2.1
265						2.9	

Main boom 164 ft

Radius (ft)	Jib length in (ft)						
	74	94	113	133	161	181	199
120.9	17.1						
135	13.4	14.3					
145	11.6	12.9	12.5				
155		11.8	11.3	10.7			
165		10.7	10.3	9.8			
175			9.4	8.9	7.9		
185			8.6	8.2	7.2	6.3	
195				7.5	6.6	5.7	5.0
200				7.1	6.3	5.5	4.7
230					4.8	4.1	3.4
240						3.8	3.0
250						3.5	2.7
260							2.4
265							2.3

Main boom 174 ft

Radius (ft)	Jib length in (ft)						
	74	84	94	104	113	123	133
125.1	15.6						
130	14.9						
135	14.1	13.8					
140	13.5	13.2	12.9				
145	12.8	12.5	12.3	12.0			
150	12.2	11.9	11.7	11.4	11.2		
155		11.4	11.2	10.9	10.7	10.4	
160		10.9	10.7	10.4	10.2	9.9	9.6
170			9.7	9.5	9.3	9.0	8.8
180				8.6	8.5	8.2	8.0
190					7.8	7.5	7.3
195						7.2	7.0
200						6.8	6.6
205							6.3

Capacities in 1000 lbs with luffing jib (No. 1309.xx) 111,300 lbs counterweight + 33,100 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. 1309.xx)

Main boom angle 45°

Main boom 75 ft

Radius (ft)	Jib length in (ft)							
	74	94	113	133	161	199	228	258
122.9	19.9							
130	18.5							
139		16.5						
150		14.9						
155			13.9					
170			12.2					
175				11.2				
190				9.9				
195					8.8			
215					7.5			
230						5.7		
250						4.7	4.1	
280							2.9	2.2
285								2.1

Main boom 105 ft

Radius (ft)	Jib length in (ft)					
	74	94	113	133	161	199
143.8	13.8					
150	13.0					
160		11.4				
170		10.4				
180			9.2			
190			8.4			
195				7.6		
205				6.9		
215					5.6	
220					5.4	
235					4.7	
250						3.1
260						2.8
275						2.2

Main boom 125 ft

Radius (ft)	Jib length in (ft)				
	74	94	113	133	161
157.7	10.5				
165	9.8				
175		8.5			
180		8.1			
185		7.7			
190			6.9		
195			6.7		
200			6.4		
210				5.3	
215				5.1	
220				4.8	
230					3.6
240					3.2
250					2.9

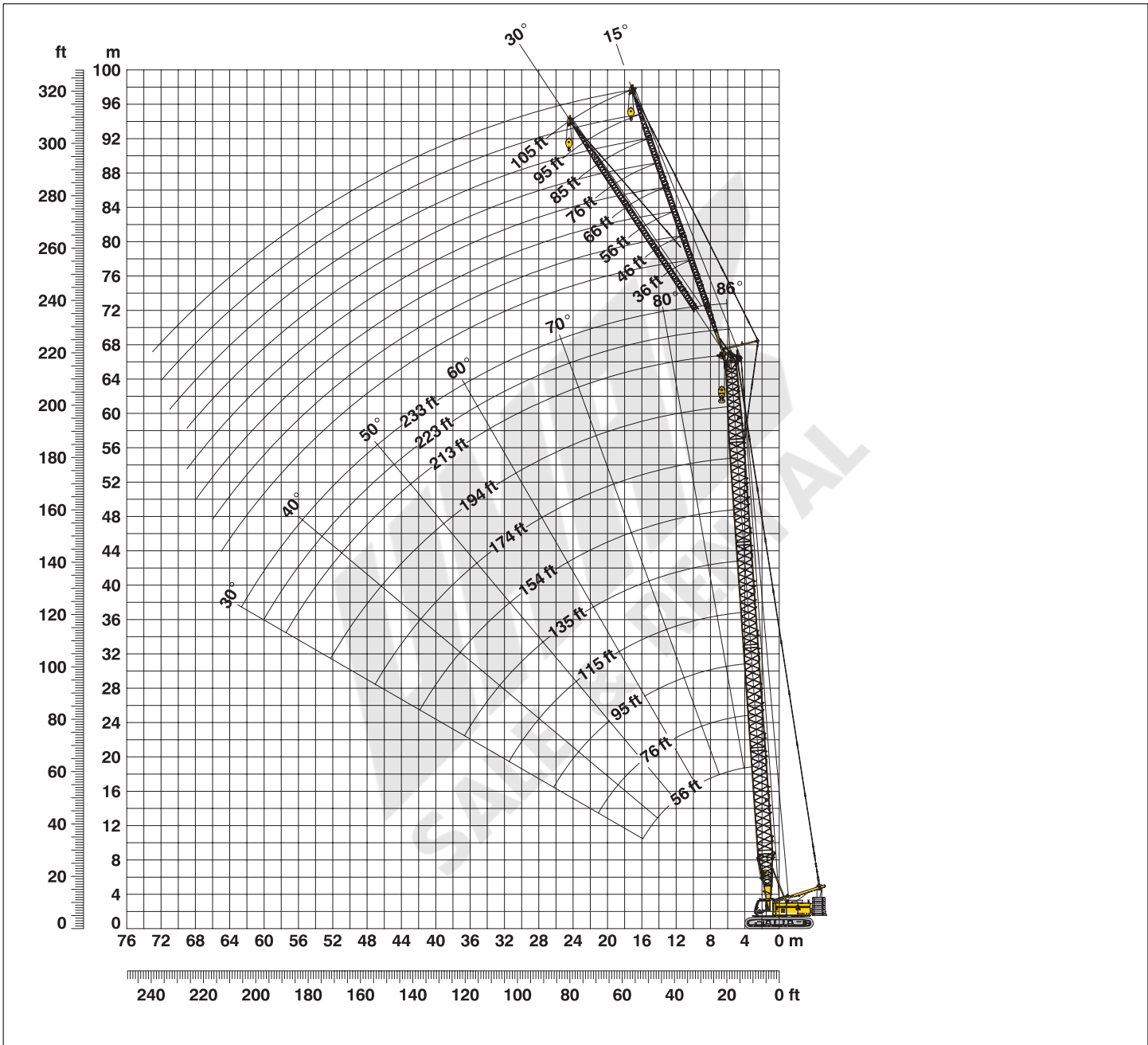
Main boom 154 ft

Radius (ft)	Jib length in (ft)			
	74	94	113	133
178.6	6.3			
180	6.3			
185	5.9			
195		4.9		
200		4.6		
205		4.4		
210			3.7	
215			3.5	
220			3.3	
225			3.1	
230				2.3
235				2.2
240				2.1

Capacities in 1000 lbs with luffing jib (No. 1309.xx) 111,300 lbs counterweight + 33,100 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. 0806.xx) 15° and 30°

Main boom 88°- 30°



Boom configuration for boom lengths (56 ft - 233 ft) – see table 1 on page 10

Fixed jib configuration for fixed jib lengths (36 ft - 105 ft) (No. 0806.xx)

	Length	Amount of fixed jib extensions							
		1	1	1	1	1	1	1	1
Fixed jib foot	18 ft	1	1	1	1	1	1	1	1
Fixed jib insert	10 ft*		1		1		1		1
Fixed jib insert	20 ft*	0	0	1	1	2	2	3	3
Fixed jib head	18 ft	1	1	1	1	1	1	1	1
Fixed jib length (ft)		36	46	56	66	76	85	95	105

*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. 0806.xx)

Offset 15°

Main boom 56 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
17.2	53.0			
30	53.0	37.7		
40	53.0	35.4	20.8	
50	52.8	33.1	19.7	12.0
60	51.3	30.0	18.1	11.4
70	44.3	27.2	16.8	10.8
80	39.6	24.4	15.8	10.3
85	37.6	23.6	15.4	10.0
115		19.2	13.7	9.1
130			13.2	8.8
150				8.5
155				8.4

Main boom 85 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
18.2	53.0			
35	53.0	37.0		
40	53.0	36.1	21.2	
50	53.0	34.2	20.1	12.0
60	52.6	32.2	19.0	11.4
80	40.0	27.9	16.9	10.4
90	34.2	25.1	16.1	10.0
100	29.6	24.1	15.3	9.7
110	26.0	22.6	14.8	9.4
140		19.3	13.6	8.8
160			13.1	8.5
180				8.2

Main boom 115 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
19.2	53.0			
35	53.0	35.4		
40	53.0	34.7	20.3	
50	53.0	33.4	19.6	12.0
60	53.0	31.9	18.7	11.5
80	39.3	28.9	17.0	10.6
100	28.9	24.6	15.6	9.9
120	22.2	22.6	14.5	9.4
140	17.5	18.6	13.7	9.0
170		13.5	13.0	8.5
190			11.5	8.3
205				8.2

Main boom 144 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
20.3	53.0			
35	53.0	35.0		
45	53.0	34.0	20.1	
50	53.0	33.5	19.8	11.8
60	52.3	32.3	19.1	11.5
80	38.5	30.1	17.7	10.6
100	28.0	27.7	16.2	10.0
140	16.7	17.8	14.3	9.1
165	12.4	13.5	13.6	8.7
195		9.7	10.3	8.3
215			8.3	8.2
235				7.1

Main boom 174 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
21.3	53.0			
35	53.0	32.5		
45	53.0	31.9	19.2	
50	53.0	31.4	18.9	11.6
60	53.0	30.6	18.3	11.3
100	27.2	27.4	16.1	10.1
140	15.8	17.0	14.1	9.2
180	9.6	10.7	11.2	8.5
190	8.5	9.5	10.0	8.2
215		7.0	7.6	7.8
235			5.9	6.4
255				5.0

Main boom 194 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
22	53.0			
35	53.0	31.0		
45	52.9	30.6	18.7	
55	51.3	29.8	18.2	11.4
60	50.7	29.5	17.9	11.2
100	26.1	22.5	15.8	10.1
140	15.2	16.5	13.6	9.2
180	9.0	10.1	10.7	8.6
205	6.4	7.4	7.9	8.0
235		4.8	5.4	5.8
255			4.0	4.4
275				3.2

Main boom 213 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
22.7	51.4			
35	50.4	29.3		
45	49.0	29.1	18.1	
55	46.9	28.4	17.8	11.2
80	36.7	25.1	16.7	10.5
120	19.4	20.8	15.1	9.6
160	11.2	12.3	13.0	8.9
200	6.3	7.3	7.9	8.2
225	4.2	5.1	5.6	6.1
255		2.9	3.5	3.9
275			2.2	2.7
285				2.1

Main boom 223 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46	66	75
23	48.6			
30	48.1	40.8		
40	46.6	40.0	28.2	22.1
60	42.5	37.4	27.1	21.3
80	36.4	34.4	24.4	20.2
120	19.1	19.6	20.6	18.3
160	10.8	11.2	12.0	12.4
200	6.0	6.3	7.0	7.3
230	3.5	3.8	4.4	4.7
240		3.1	3.6	3.9
260			2.3	2.6
270				2.0

Main boom 233 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46		
23.4	45.1			
30	45.0	38.4		
40	43.7	38.0		
80	35.1	32.4		
120	18.8	19.3		
140	14.1	14.5		
160	10.5	11.0		
180	7.8	8.2		
200	5.7	6.0		
220	3.9	4.3		
240	2.5	2.8		
250		2.1		

Capacities in 1000 lbs with fixed jib (No. 0806.xx) 111,300 lbs counterweight + 33,100 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. 0806.xx)

Offset 30°

Main boom 56 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
25.4	53.0			
45	50.2	30.2		
60	42.4	24.9	15.9	
70	38.5	23.1	15.2	10.0
80	35.7	21.5	14.5	9.6
90	26.6	20.1	14.0	9.3
100		19.0	13.5	9.0
120		17.8	12.9	8.6
130			12.6	8.5
140			12.4	8.4
150				8.3
160				8.1

Main boom 85 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
26.5	53.0			
45	53.0	31.0		
60	47.3	27.2	16.4	
70	43.2	25.2	15.7	9.9
80	40.1	23.4	15.1	9.6
90	34.6	22.1	14.6	9.3
100	29.9	20.8	14.1	9.1
110	26.2	19.9	13.8	8.9
115	24.5	19.5	13.6	8.8
145		18.1	12.8	8.4
165			12.5	8.2
185				7.9

Main boom 115 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
27.5	53.0			
50	53.0	29.1		
60	50.2	27.2	16.0	
75	43.6	24.2	15.3	9.7
80	39.9	23.6	15.0	9.6
100	29.3	21.5	14.1	9.2
120	22.5	19.8	13.5	8.8
130	19.9	19.2	13.2	8.7
140	17.6	18.6	13.0	8.6
170		13.6	12.5	8.3
190			11.7	8.1
205				8.0

Main boom 144 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
28.5	53.0			
50	52.8	29.3		
60	52.6	27.9	16.0	
75	43.0	24.1	15.2	9.7
80	39.3	23.9	15.0	9.6
100	28.6	22.5	14.4	9.2
120	21.8	21.0	13.8	8.9
140	17.0	18.3	13.3	8.6
165	12.6	13.8	12.9	8.4
195		9.8	10.6	8.1
215			8.4	8.0
235				7.2

Main boom 174 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
29.5	52.6			
50	51.5	27.6		
65	48.7	22.3	15.7	
75	42.4	21.6	15.1	9.6
80	38.7	21.4	14.7	9.5
100	27.9	20.9	14.0	9.2
120	21.1	20.4	13.5	8.9
160	12.6	13.9	12.5	8.3
190	8.6	9.8	10.5	7.7
220		6.7	7.4	7.6
240			5.7	6.3
260				4.7

Main boom 194 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
30.2	49.5			
50	48.4	23.4		
65	44.4	21.2	14.5	
75	41.9	20.2	14.2	9.4
80	38.2	19.9	13.9	9.4
100	27.4	19.1	13.2	9.1
140	15.7	17.2	12.7	8.6
180	9.3	10.5	11.3	8.2
205	6.5	7.7	8.4	8.1
235		5.0	5.6	6.2
255			4.1	4.7
275				3.3

Main boom 213 ft

Radius (ft)	Fixed jib length in (ft)			
	36	66	85	105
30.9	45.9			
50	44.3	22.1		
65	41.3	21.7	15.2	
75	39.5	21.3	15.0	9.4
80	37.8	20.9	14.8	9.3
120	20.0	18.3	13.5	8.8
160	11.5	13.0	12.4	8.4
200	6.5	7.7	8.5	7.9
225	4.3	5.4	6.0	6.7
255		3.0	3.7	4.3
275			2.3	3.0
290				2.0

Main boom 223 ft

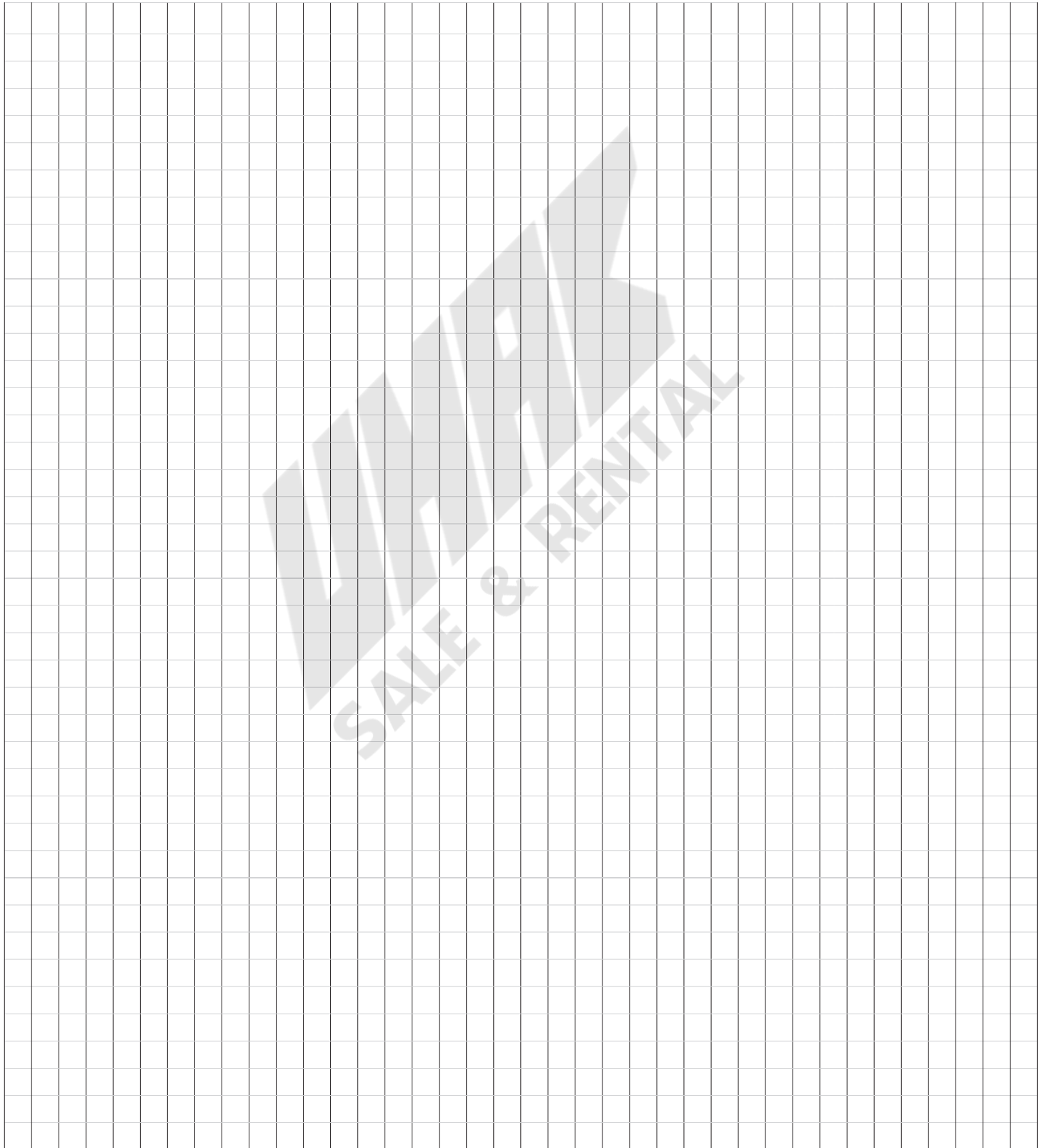
Radius (ft)	Fixed jib length in (ft)			
	36	46	66	75
31.3	43.4			
40	43.1	36.2		
50	41.4	36.0	23.0	
60	39.5	34.7	22.9	18.4
80	35.9	31.7	22.1	17.8
120	19.8	20.4	18.7	15.7
160	11.3	11.8	12.7	13.2
200	6.2	6.6	7.5	7.9
235	3.2	3.5	4.3	4.6
245		2.8	3.5	3.9
265			2.1	2.5
270				2.1

Main boom 233 ft

Radius (ft)	Fixed jib length in (ft)			
	36	46		
31.6	40.9			
40	40.4	34.2		
45	39.8	33.9		
60	37.2	32.4		
80	33.8	30.0		
100	26.6	27.2		
120	19.5	20.2		
140	14.6	15.2		
160	11.0	11.5		
200	5.9	6.4		
240	2.6	2.9		
250		2.2		

Capacities in 1000 lbs with fixed jib (No. 0806.xx) 111,300 lbs counterweight + 33,100 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.

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