

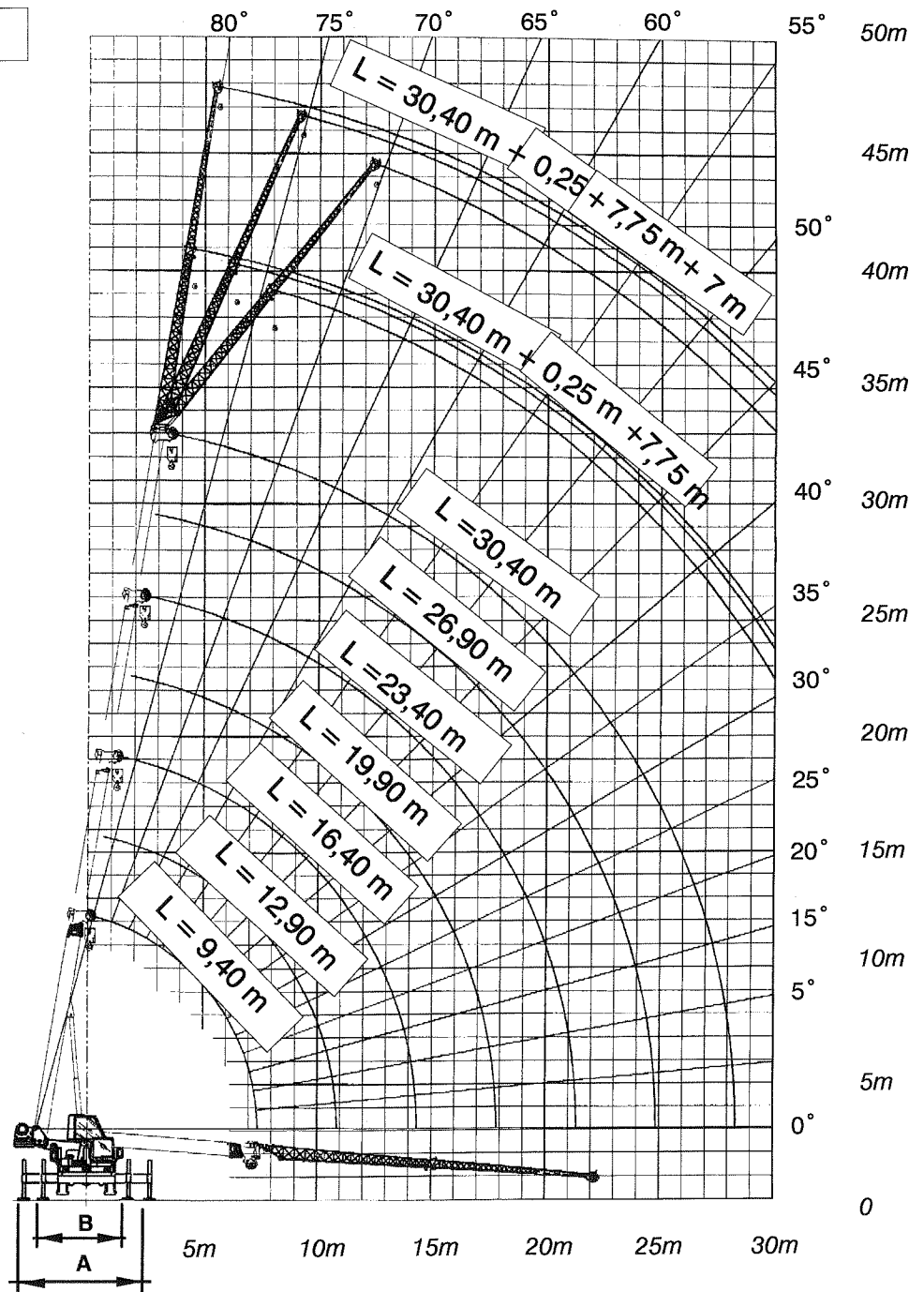
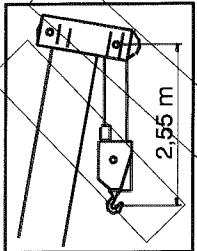
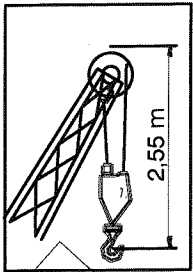
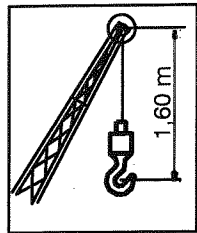


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35 METRIC TONS



MAIN BOOM AND EXTENSIONS HEIGHT, RADIUS AND BOOM LENGTH



NOTE : PPM CRANES,INC. RESERVES THE RIGHT TO MODIFY THE ABOVE SPECIFICATIONS WHICH ARE GIVEN AS A GUIDE ONLY

1 CAPACITIES

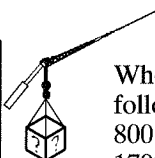
The capacity ratings conform with requirements specified in 89/392/CEE and 91/368/CEE and therefore with the EC certifications, they are based on PRE1300 and FEM5004 for structural resistance, and ISO 4305 in relation to stability calculations. The indicated loads are the maximum covered by the manufacturer's guarantee when the correct counterweights have been fitted in the correct position for lifting. These weights are given in metric tons. The weight of hook blocks and other handling accessories must be subtracted from the indicated loads (Refer to Note 2). The machine must be set up on outriggers with a maximum horizontal deviation of $\pm 1\%$.

Wind Force:

The machine can be safely used with these capacity charts in winds of up to 14m/s (50 kph), with surface loading of 1.2t/m². Information about wind effect are given in the driving manual. It should be consulted as necessary.

2 DEDUCTIONS FROM RATED LOADS (depending on installation of hook block or extension)

HOOK BLOCKS and HOOKS			
Lifting capacities	Pulleys	Parts of line	Weight
35t	5	11	270Kg
25 t	4	9	190Kg
20 t	3	7	160Kg
10 t	1	3	110Kg
5 t	0	1	90Kg



When lifting on main boom with extension rigged, deduct the following from main boom load chart:
800 kg with 7.75 m extension.
1700 kg with 14.75 m extension

With extension in the transport position, the LMI must be configured with the following code:

Lifting on main boom:

Code: A – no jib stored on the boom.

Code: B – 14.75 m jib stored on the boom

Code: C – 7.75 m jib stored on the boom

Lifting on 7.75 m extension:

Code: A – no jib stored on the boom.

Code: D – 7.00 m jib stored on the boom

Lifting on 14.75 m extension:

no selection

3 WINCHES AND PULLEYS

WINCHES		
MAXIMUM PERMISSIBLE LINE PULL IN TONS		
	AUXILIARY WINCH	MAIN WINCH
Last Layer	3.3 t	3.3 t

4 UNLOADED CRANE MANOEUVRES

DANGER :

- Do not get into the crane until it has been raised on outriggers.
- In horizontal always respect maximum lengths in the capacity chart for Telescoping Mode and Rigging configuration.
- Minimum and maximum derricking: respect all indicated minimum and maximum derricking angles given in the capacity charts.

5 SUPPORT REACTIONS

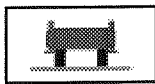
Our after-sales service has an Excel program which simulates any load and which can therefore calculate the reactions under outriggers.

Information about resistances of different kinds of grounds are given in the driving manual.

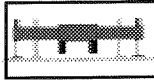
Pay close attention to it.

WARNING: Always use the load tables to be aware of the maximum possible load for each radius.

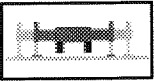
SYMBOLISATION



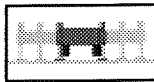
Free on wheels.



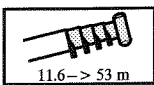
Outriggers fully extended.



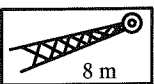
Outriggers half extended.



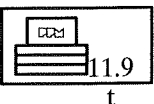
Outriggers fully retracted.



Telescopic boom from 11.6 m to 53 m.



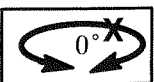
Extension 8 m.



11.9 t counterweight.



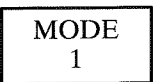
Over 360° slewing.



Over rear. Slewing locked.



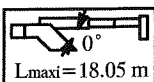
Minimum admitting reeving.



Telescoping mode 1



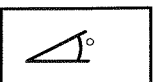
Configuration L.M.I. code 1101 and jib stored code A B C D



Maximum boom length at 0°.



Area not to be used with or without loads.



Boom angle under load in degrees.



Authorized load in metric tons (Including hook block and slings).



Boom section telescoping %

PPM

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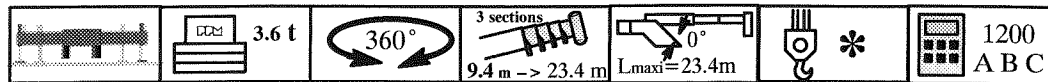
35 METRIC TONS



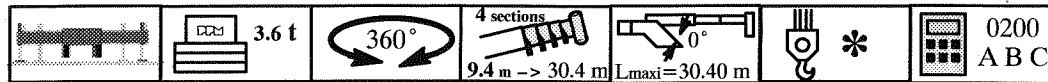
Radius in meters.



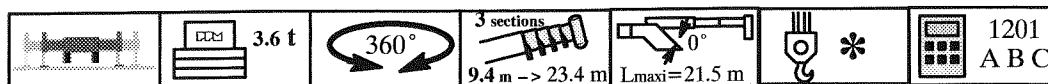
Locked suspension



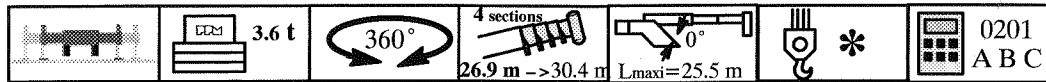
	9.40 m /(11)* with additional equipment		12.90 m /(7)*		16.40 m /(6)*		19.90 m /(4)*		23.40 m /(4)*		
	Max. 79°	35.00	Max. 79°	20.25	Max. 79°	17.40	Max. 79°	12.30	Max. 79°	11.00	
2.7	63.30	35.00	69.90	20.25	75.3	17.40	78.50	12.30			2.7
3.0	60.90	32.00	68.60	20.25	74.30	17.40	77.60	12.30			3.0
3.5	56.90	27.45	66.30	20.25	72.50	17.40	76.00	12.30	78.00	11.00	3.5
4.0	52.60	23.75	63.90	20.25	70.60	17.40	74.40	12.30	77.00	11.00	4.0
4.5	48.00	20.70	61.50	20.25	68.80	17.40	72.80	12.30	75.90	11.00	4.5
5.0	43.10	18.10	59.00	19.00	66.90	17.40	71.30	12.30	74.80	11.00	5.0
6.0	31.90	14.05	53.60	15.55	63.00	15.55	68.20	12.10	72.50	10.55	6.0
7.0	17.60	10.55	47.70	12.05	58.90	12.00	65.00	10.70	70.00	9.30	7.0
8.0			41.00	9.65	54.60	9.60	61.80	9.50	67.50	8.30	8.0
9.0			32.80	7.85	50.00	7.70	58.40	7.70	64.80	7.45	9.0
10.0			21.20	6.50	45.00	6.50	55.00	6.45	61.90	6.40	10.0
11.0					39.50	5.50	51.40	5.40	58.90	5.35	11.0
12.0					33.00	4.65	47.50	4.65	55.80	4.55	12.0
13.0					25.20	3.95	43.30	3.95	52.50	3.90	13.0
14.0					12.70	3.35	38.70	3.30	49.00	3.30	14.0
15.0							33.40	2.85	45.30	2.80	15.0
16.0							26.80	2.40	41.40	2.40	16.0
17.0							17.20	2.05	37.30	2.05	17.0
18.0									32.80	1.75	18.0
19.0									27.70	1.45	19.0
20.0									21.40	1.20	20.0
21.0									10.00	1.00	21.0
mini	0.00	8.20	0.00	5.20	0.00	3.15	0.00	1.75	0.00	0.90	mini



	9.40 m /(4)*		12.90 m /(4)*		16.40 m /(4)*		19.90 m /(4)*		23.40 m /(4)*		26.90 m /(4)*		30.40 m /(3)*		
	Max. 79°	11.00	Max. 79°	11.00	Max. 79°	11.00	Max. 79°	11.00	Max. 79°	11.00	Max. 79°	10.25	Max. 79°	8.00	
2.7	63.30	11.00	69.90	11.00	75.30	11.00	78.50	11.00							2.7
3.0	60.90	11.00	68.60	11.00	74.30	11.00	77.60	11.00							3.0
3.5	56.90	11.00	66.30	11.00	72.50	11.00	76.00	11.00	78.00	11.00					3.5
4.0	52.60	11.00	63.90	11.00	70.60	11.00	74.40	11.00	77.00	11.00					4.0
4.5	48.00	11.00	61.50	11.00	68.80	11.00	72.80	11.00	75.90	11.00	78.50	10.25			4.5
5.0	43.10	11.00	59.00	11.00	66.90	11.00	71.30	11.00	74.80	10.90	77.50	10.00			5.0
6.0	31.90	11.00	53.60	11.00	63.00	11.00	68.20	11.00	72.50	9.75	75.50	8.80	77.70	8.00	6.0
7.0	17.60	10.55	47.70	11.00	58.90	11.00	65.00	10.40	70.00	8.65	73.40	7.80	75.90	7.30	7.0
8.0			41.00	10.15	54.60	10.20	61.80	9.65	67.50	7.90	71.10	7.10	74.10	6.55	8.0
9.0			32.80	8.15	50.00	8.20	58.40	8.20	64.80	7.15	68.70	6.45	72.10	5.95	9.0
10.0			21.20	6.65	45.00	6.75	55.00	6.75	61.90	6.55	66.30	5.90	70.00	5.45	10.0
11.0					39.50	5.70	51.40	5.70	58.90	5.70	63.70	5.50	67.80	5.00	11.0
12.0					33.00	4.90	47.50	4.90	55.80	4.95	61.00	4.95	65.50	4.65	12.0
13.0					25.20	4.20	43.30	4.25	52.50	4.25	58.30	4.25	63.20	4.25	13.0
14.0					12.70	3.55	38.70	3.60	49.00	3.60	55.60	3.60	60.90	3.60	14.0
15.0							33.40	3.20	45.30	3.20	52.70	3.20	58.50	3.20	15.0
16.0							26.80	2.80	41.40	2.80	49.70	2.80	56.00	2.80	16.0
17.0							17.20	2.40	37.30	2.50	46.70	2.50	53.60	2.50	17.0
18.0									32.80	2.15	43.50	2.15	51.10	2.15	18.0
19.0									27.70	1.85	40.00	1.85	48.50	1.85	19.0
20.0									21.40	1.65	36.50	1.65	45.80	1.65	20.0
21.0									10.00	1.40	32.50	1.40	43.00	1.40	21.0
22.0											27.90	1.25	40.00	1.25	22.0
23.0											22.00	1.05	36.70	1.10	23.0
24.0											14.70	0.95	33.00	0.95	24.0
25.0													28.70	0.80	25.0
26.0													23.30	0.70	26.0
27.0													16.60	0.60	27.0
28.0													9.50	0.45	28.0
mini	0.00	8.20	0.00	5.55	0.00	3.35	0.00	2.05	0.00	1.30	0.00	0.80	0.00	0.35	mini



	9.40 m /(10)*		12.90 m /(7)*		16.40 m /(6)*		19.90 m /(4)*		23.40 m /(4)*		
	Max. 79°		Max. 79°		Max. 79°		Max. 79°		Max. 79°		
3.0	60.90	29.90	68.60	20.25	74.30	17.40	77.60	12.30			3.0
3.5	56.90	26.45	66.30	20.25	72.50	17.40	76.00	12.30	78.00	11.00	3.5
4.0	52.60	23.65	63.90	20.25	70.60	17.40	74.40	12.30	77.00	11.00	4.0
4.5	48.00	20.70	61.50	20.25	68.80	17.40	72.80	12.30	75.90	11.00	4.5
5.0	43.10	18.10	59.00	18.60	66.90	17.40	71.30	12.30	74.80	11.00	5.0
6.0	31.90	12.55	53.60	12.45	63.00	12.35	68.20	12.10	72.50	10.55	6.0
7.0	17.60	9.10	47.70	9.15	58.90	9.15	65.00	9.10	70.00	9.00	7.0
8.0			41.00	7.20	54.60	7.15	61.80	7.15	67.50	7.10	8.0
9.0			32.80	5.55	50.00	5.55	58.40	5.50	64.80	5.45	9.0
10.0			21.20	4.40	45.00	4.40	55.00	4.35	61.90	4.35	10.0
11.0					39.50	3.85	51.40	3.80	58.90	3.75	11.0
12.0					33.00	3.15	47.50	3.15	55.80	3.10	12.0
13.0					25.20	2.70	43.30	2.65	52.50	2.60	13.0
14.0					12.70	2.20	38.70	2.20	49.00	2.20	14.0
15.0							33.40	1.85	45.30	1.80	15.0
16.0							26.80	1.50	41.40	1.50	16.0
17.0							17.20	1.20	37.30	1.15	17.0
18.0									32.80	0.90	18.0
19.0									27.70	0.70	19.0
20.0									21.40	0.50	20.0
mini	0.00	8.35	0.00	3.50	0.00	2.05	0.00	0.90			mini



	26.90 m / (4)*		30.40 m / (3)*		
					
	Max. 79°	10.25	Max. 79°	8.00	
4.5	78.50	10.25			4.5
5.0	77.50	10.00			5.0
6.0	75.50	8.80	77.70	8.00	6.0
7.0	73.40	7.80	75.90	7.30	7.0
8.0	71.10	7.10	74.10	6.55	8.0
9.0	68.70	6.15	72.10	5.95	9.0
10.0	66.30	5.15	70.00	5.15	10.0
11.0	63.70	4.40	67.80	4.40	11.0
12.0	61.00	3.75	65.50	3.75	12.0
13.0	58.30	3.15	63.20	3.15	13.0
14.0	55.60	2.70	60.90	2.70	14.0
15.0	52.70	2.25	58.50	2.25	15.0
16.0	49.70	1.90	56.00	1.90	16.0
17.0	46.70	1.60	53.60	1.60	17.0
18.0	43.50	1.40	51.10	1.40	18.0
19.0	40.00	1.15	48.50	1.15	19.0
20.0	36.50	1.05	45.80	1.05	20.0
21.0	32.50	0.85	43.00	0.85	21.0
22.0	27.90	0.75	40.00	0.75	22.0
23.0	22.00	0.55	36.70	0.65	23.0
24.0			33.00	0.45	24.0
25.0			28.70	0.40	25.0
mini					mini

LOAD DETERMINATION ACCORDING TO THE EXTENSION USED AND ITS OFFSET ANGLE AT UNDEFINED BOOM LENGTHS

Whenever an extension is used at a given offset for a boom length different from those mentioned in the load capacity charts (i.e. 30.40m, 26.90m and 23.40m), the following rules should be followed.

If the selected boom length (L3) is in between two lengths (30.40m and 26.90m) which appear in the load capacity chart (L1,L2) the authorized load is calculated by interpolation between the greatest length (L1) and the shortest length (L2) at the working radius.

Example : CWT 2.6 t

7.75 m extension at 0°. Selected length : L3 = 28 m. Radius = 20m.

L1 = 30.40 m L2 = 26.90 m L3 = 28 m

Load for L1 at 20m = 1.65t (Q1)

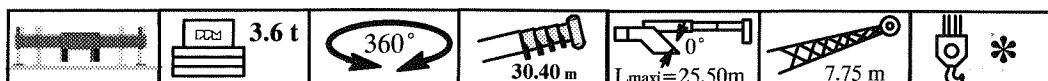
Load for L2 at 20m = 1.70 t (Q2)

Load for 25 m at 20m = 1.68 t (Q3)

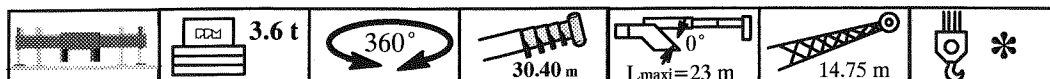
$$Q3 = (Q2 - Q1) \times \frac{(L1 - L3)}{(L1 - L2)} + Q1 = 1.68 \text{ t.}$$

If the selected boom length is less than the minimum boom length (that is < 23.40 m) defined in the capacity charts then the authorized load is calculated in relation to the derricking angle corresponding to the minimum defined boom length (23.40m).

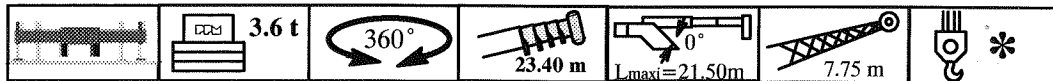
The radius is not taken into account.



	30.40 + 0.25 + 7.75 m (1)* - 0°		30.40 + 0.25 + 7.75 m (1)* - 15°		30.40 + 0.25 + 7.75 m (1)* - 30°		
	 0202 A D		 0203 A D		 0204 A D		
							
	Max. 79°	3.30	Max. 79°	3.20	Max. 79°	2.50	
8.0	77.00	3.30					8.0
9.0	75.80	3.30					9.0
10.0	74.50	3.30	77.00	3.20			10.0
11.0	73.10	3.30	75.50	3.00			11.0
12.0	71.70	3.25	74.10	2.80	76.00	2.50	12.0
13.0	70.20	3.05	72.50	2.65	74.50	2.40	13.0
14.0	68.60	2.85	71.00	2.50	72.90	2.30	14.0
15.0	67.00	2.70	69.40	2.40	71.30	2.20	15.0
16.0	65.30	2.55	67.70	2.30	70.00	2.10	16.0
17.0	63.50	2.40	66.00	2.20	68.00	2.05	17.0
18.0	61.70	2.30	64.30	2.10	66.20	1.95	18.0
19.0	59.90	2.15	62.50	2.00	64.50	1.85	19.0
20.0	58.00	1.90	60.60	1.90	62.60	1.80	20.0
21.0	56.00	1.70	58.70	1.85	60.70	1.75	21.0
22.0	54.00	1.50	56.70	1.60	58.70	1.70	22.0
23.0	52.00	1.35	54.60	1.45	56.60	1.55	23.0
24.0	49.80	1.15	52.50	1.25	54.50	1.30	24.0
25.0	47.60	1.00	50.30	1.10	52.30	1.15	25.0
26.0	45.30	0.90	47.90	0.95	50.00	1.05	26.0
27.0	43.00	0.70	45.50	0.80	47.50	0.95	27.0
28.0	40.50	0.65	43.00	0.70	45.00	0.80	28.0
29.0	37.90	0.55	40.30	0.60	42.30	0.65	29.0
30.0	35.00	0.45	37.50	0.50	39.40	0.60	30.0
31.0	32.00	0.35	34.60	0.40	36.40	0.50	31.0
32.0					33.00	0.35	32.0
mini							mini



	30.40 + 0.25 + 14.75 m (1)* - 0°		30.40 + 0.25 + 14.75 m (1)* - 15°		30.40 + 0.25 + 14.75 m (1)* - 30°		
	0205		0206		0207		
	Max. 79°	1.70	Max. 79°	1.40	Max. 79°	1.10	
10.0	77.00	1.70					10.0
11.0	75.90	1.70					11.0
12.0	74.70	1.70					12.0
13.0	73.60	1.70					13.0
14.0	72.40	1.70	77.00	1.40			14.0
15.0	71.20	1.70	75.70	1.40			15.0
16.0	69.90	1.65	74.50	1.35			16.0
17.0	68.60	1.65	73.20	1.30	76.50	1.10	17.0
18.0	67.30	1.60	71.90	1.25	75.10	1.05	18.0
19.0	66.00	1.55	70.60	1.25	73.80	1.05	19.0
20.0	64.60	1.50	69.20	1.20	72.40	1.05	20.0
21.0	63.20	1.45	67.90	1.20	71.00	1.00	21.0
22.0	61.70	1.40	66.50	1.15	69.50	1.00	22.0
23.0	60.20	1.35	65.00	1.15	68.00	1.00	23.0
24.0	58.70	1.30	63.60	1.10	66.50	0.95	24.0
25.0	57.10	1.30	62.00	1.10	64.90	0.95	25.0
26.0	55.50	1.15	60.40	1.05	63.30	0.95	26.0
27.0	53.80	1.00	58.70	1.05	61.60	0.95	27.0
28.0	52.00	0.90	57.00	1.00	59.80	0.90	28.0
29.0	50.20	0.75	55.10	0.90	57.90	0.90	29.0
30.0	48.30	0.65	53.20	0.80	56.00	0.90	30.0
31.0	46.70	0.55	51.20	0.70	54.00	0.80	31.0
32.0	44.30	0.50	49.00	0.60	51.90	0.70	32.0
33.0	42.20	0.35	46.80	0.55	50.00	0.60	33.0
34.0			44.40	0.40	47.30	0.55	34.0
35.0			42.00	0.35	45.00	0.40	35.0
36.0					42.50	0.35	36.0
mini							mini



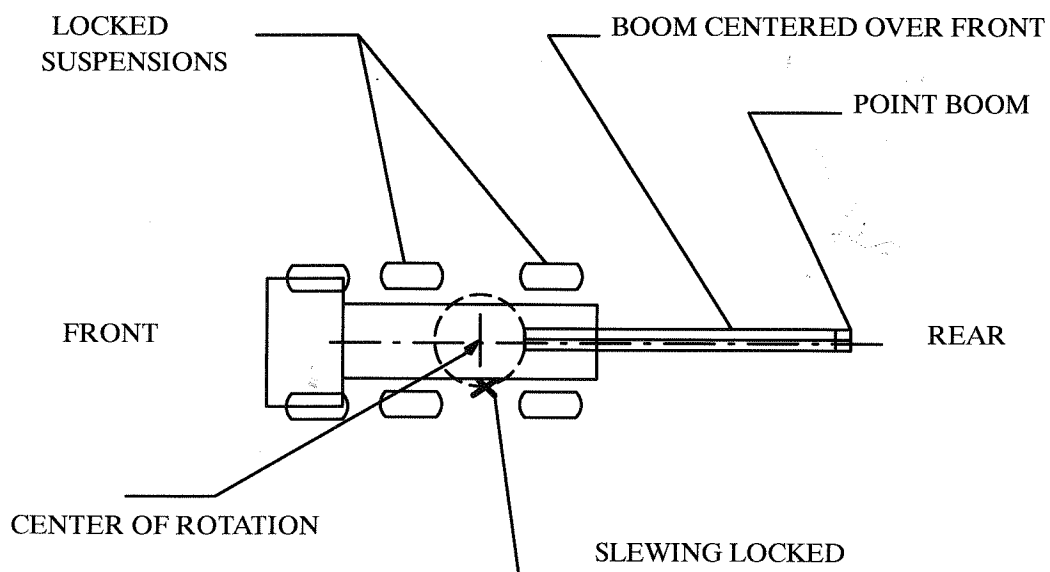
	3 sections synchronized 23.40 + 0.25 + 7.75 m (2)* - 0°		
	1802 A D		
	Max. 79°	5.65	
5.0	78.80	5.65	5.0
6.0	77.00	5.65	6.0
7.0	75.20	5.20	7.0
8.0	73.30	4.90	8.0
9.0	71.30	4.60	9.0
10.0	69.40	4.30	10.0
11.0	67.40	4.05	11.0
12.0	65.30	3.85	12.0
13.0	63.20	3.65	13.0
14.0	61.00	3.45	14.0
15.0	58.90	3.20	15.0
16.0	56.60	2.85	16.0
17.0	54.30	2.50	17.0
18.0	52.00	2.15	18.0
19.0	49.60	1.95	19.0
20.0	47.10	1.70	20.0
21.0	44.50	1.50	21.0
22.0	41.80	1.30	22.0
23.0	38.90	1.15	23.0
24.0	35.80	0.95	24.0
25.0	32.30	0.80	25.0
26.0	28.30	0.70	26.0
27.0	23.50	0.55	27.0
28.0	17.50	0.40	28.0
mini			mini

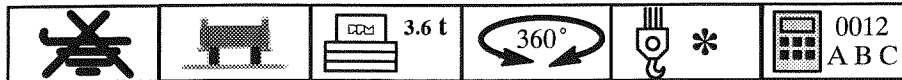


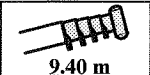
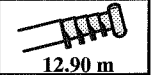
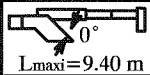
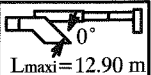
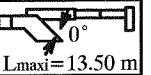
4 sections synchronized 26.90 + 0.25 + 7.75 m (2)* - 0° 0802 A D Max. 79° 4.00			
6.0	78.00	4.00	6.0
7.0	76.50	4.00	7.0
8.0	75.00	4.00	8.0
9.0	73.30	4.00	9.0
10.0	71.70	3.80	10.0
11.0	70.00	3.55	11.0
12.0	68.30	3.30	12.0
13.0	66.50	3.10	13.0
14.0	64.70	2.90	14.0
15.0	62.90	2.70	15.0
16.0	61.00	2.55	16.0
17.0	59.10	2.40	17.0
18.0	57.20	2.30	18.0
19.0	55.20	2.20	19.0
20.0	53.10	1.95	20.0
21.0	51.00	1.75	21.0
22.0	48.80	1.55	22.0
23.0	46.40	1.40	23.0
24.0	43.90	1.20	24.0
25.0	41.20	1.10	25.0
26.0	38.30	1.00	26.0
27.0	35.00	0.90	27.0
28.0	31.20	0.75	28.0
29.0	26.90	0.65	29.0
30.0	22.00	0.55	30.0
31.0	17.10	0.50	31.0
mini	0.00	0.35	mini

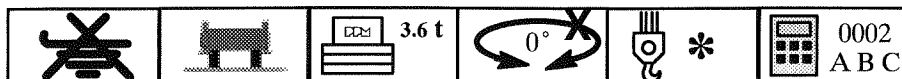
AREAS OF OPERATIONS ON TIRES

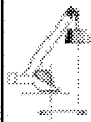
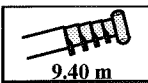
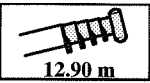
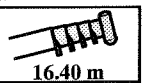
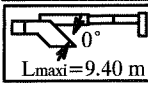
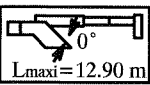
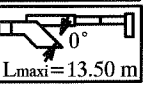
NOTE : These lines determine the limiting position of any load undergoing handling operations within the working areas indicated.





	 9.40 m		 12.90 m		 16.40 m		
	 Lmaxi=9.40 m		 Lmaxi=12.90 m		 Lmaxi=13.50 m		
	(2)*		(2)*		(2)*		
							
	Max. 75°	5.60	Max. 79°	5.50	Max. 79°	5.45	
3.0	60.90	5.60	68.60	5.50	74.30	5.45	3.0
3.5	56.90	4.75	66.30	4.65	72.50	4.60	3.5
4.0	52.60	4.05	63.90	3.95	70.60	3.90	4.0
4.5	48.00	3.50	61.50	3.40	68.80	3.35	4.5
5.0	43.10	3.05	59.00	2.95	66.90	2.90	5.0
6.0	31.90	2.35	53.60	2.25	63.00	2.20	6.0
7.0	17.60	1.80	47.70	1.70	58.90	1.65	7.0
8.0			41.00	1.30	54.60	1.25	8.0
9.0			32.80	0.95	50.00	0.90	9.0
10.0			21.20	0.70	45.00	0.65	10.0
11.0					39.50	0.40	11.0
mini	0.00	1.60	0.00	0.45			mini



	 9.40 m		 12.90 m		 16.40 m		
	 0° L _{maxi} =9.40 m		 0° L _{maxi} =12.90 m		 0° L _{maxi} =13.50 m		
	(3)*		(3)*		(3)*		
							
	Max. 75°	8.85	Max. 79°	8.70	Max. 79°	8.65	
3.0	60.90	8.85	68.60	8.70	74.30	8.65	3.0
3.5	56.90	7.85	66.30	7.75	72.50	7.70	3.5
4.0	52.60	7.00	63.90	6.90	70.60	6.85	4.0
4.5	48.00	6.25	61.50	6.20	68.80	6.15	4.5
5.0	43.10	5.65	59.00	5.60	66.90	5.55	5.0
6.0	31.90	4.65	53.60	4.60	63.00	4.55	6.0
7.0	17.60	3.90	47.70	3.80	58.90	3.75	7.0
8.0			41.00	3.20	54.60	3.15	8.0
9.0			32.80	2.70	50.00	2.65	9.0
10.0			21.20	2.30	45.00	2.25	10.0
11.0					39.50	1.90	11.0
12.0					33.00	1.60	12.0
13.0					25.20	1.30	13.0
14.0					12.70	1.00	14.0
mini	0.00	3.70	0.00	1.95	0.00	0.85	mini