

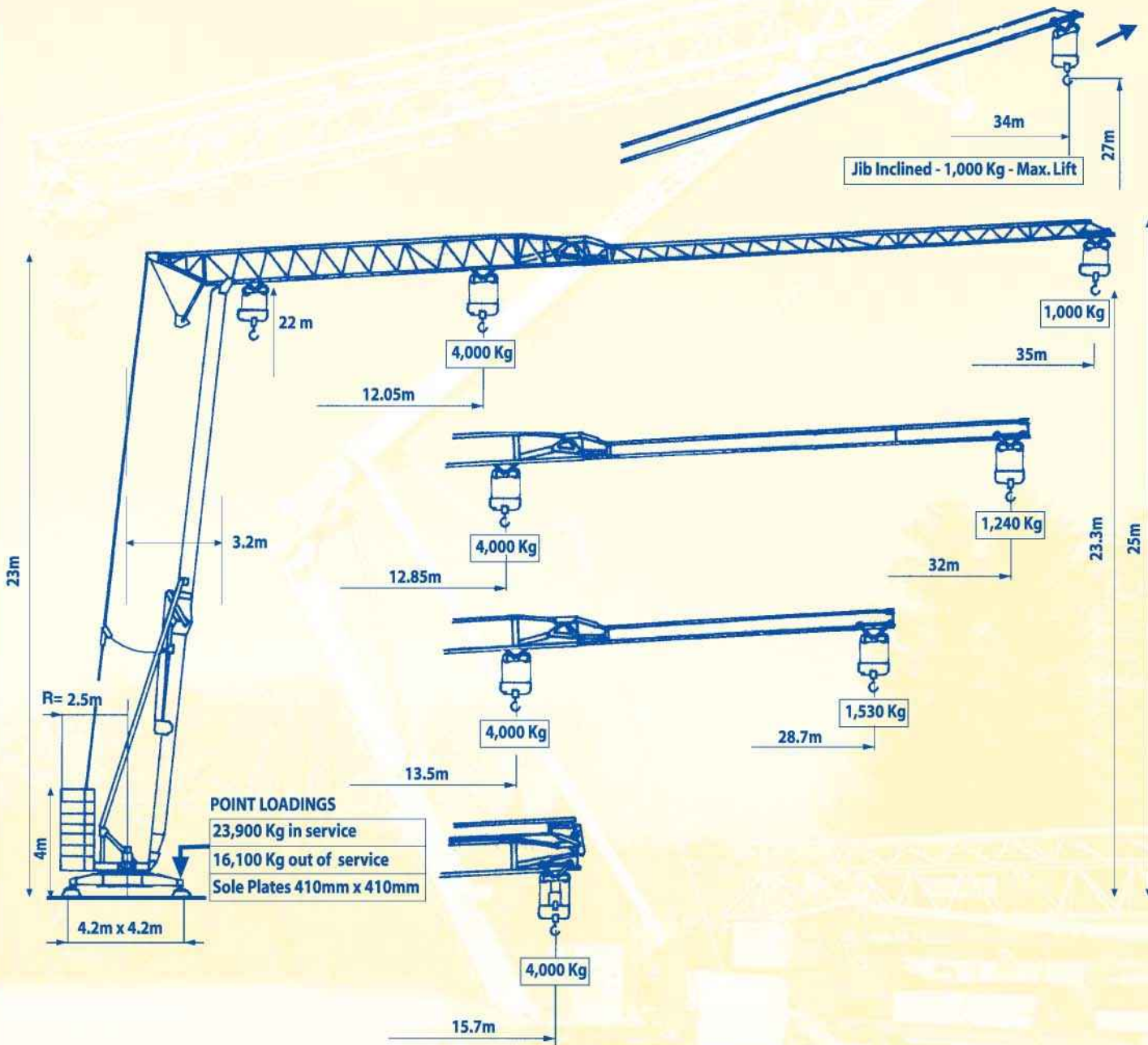


MANTIS®

35.10



DIN 15018



MANTIS®
CRANES

Version 1.0



Load Curves



35m



12.05	14	16	18	20.4	22	24	26	28	30	32	34	35	m
4000	3240	2700	2300	2000	1815	1620	1465	1330	1220	1120	1035	1000	Kg

Full 35m jib folded out

32m



12.85	14	16	18	20	21.95	24	26	28	30	32	m
4000	3550	2960	2530	2200	2000	1785	1610	1465	1345	1240	Kg

3m jib section removed reducing maximum jib length to 32m

28.7m



13.5	14	16	18	20	22	23.21	24	26	28.7	m
4000	3815	3185	2720	2370	2090	2000	1910	1750	1530	Kg

6m jib section removed reducing jib length to 28.7m

15.7m



4000Kg - Max.

19.3m jib section hydraulically folded back to reduce jib length to 15.7m



4 fall rope operation



4 fall or 2 fall rope operation



Speed of Mechanisms

								
HOISTING		m/min.	6	24	48	3	12	24
		kg	2000	2000	1300	4000	4000	2600
		CV-PS hp	3	12	14	3	12	24
		kW	2,2	8,8	10,3	2,2	8,8	10,3
		m/min.	CV-PS hp			kW		
TROLLEYING		20/40		1,5/3		1,1/2,2		
SLEWING		0,2-1,1 tr/min - u/min rpm - g/min		3,5 kgm		4,5		

Power Requirements

MAINS ELECTRICITY

400V (+6%-10%) @ 50Hz

GENERATOR

Frequency Controlled 30KVA
However we recommend using 40KVA
Contactor Controlled 60KVA

KVA

23KVA



Weights

Dead Weight without Transport Axles & Permanent Ballast

14,200 Kg

Dead Weight with Transport Axles & 4,000kg Permanent Ballast

19,000 Kg

BALLAST WEIGHTS

12 No. @ 1,770 Kg

21,240kg

1 No. @ 4,000 Kg - Permanent

4,000kg

Total

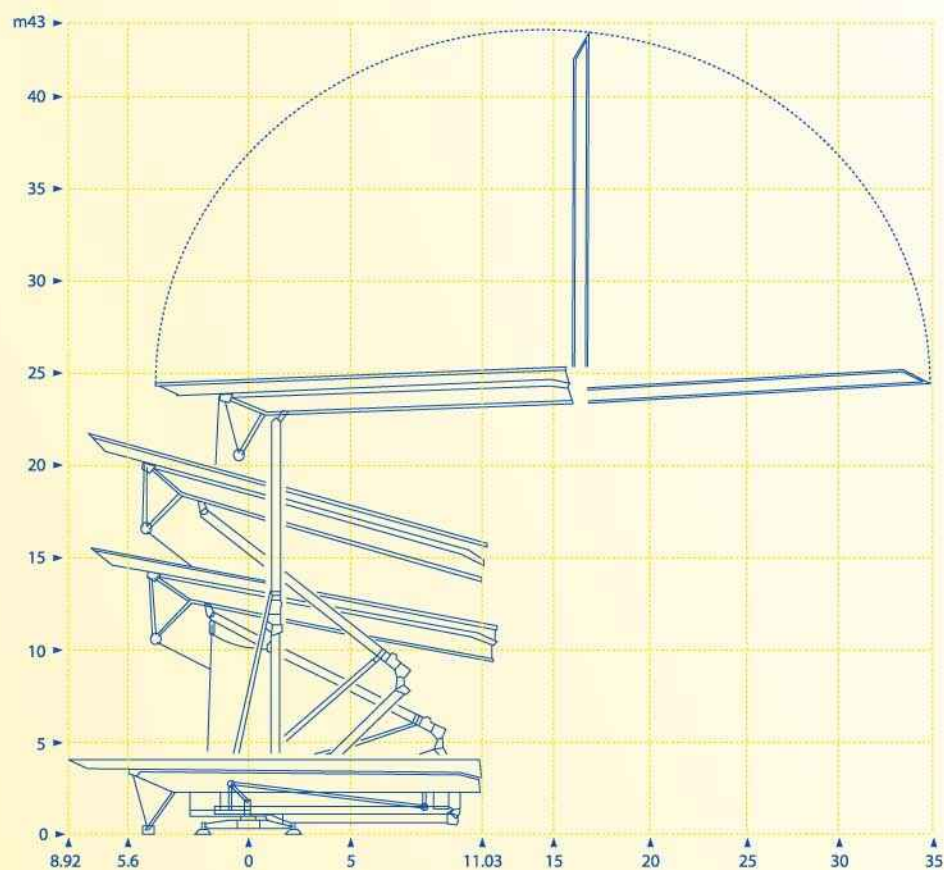
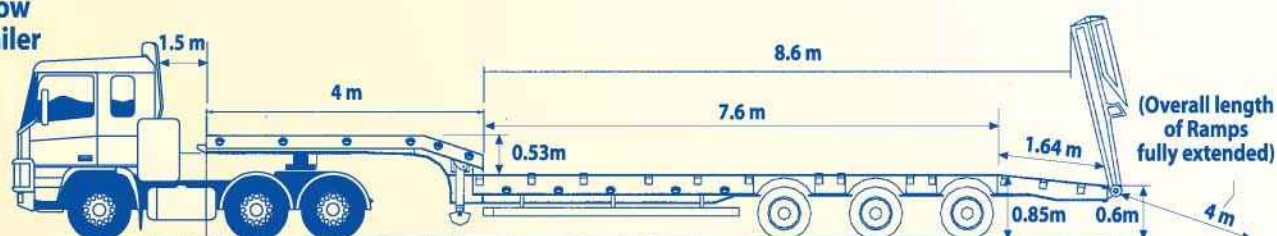
25,240 Kg



Technical drawing of a crawler crane showing dimensions and weights. The drawing includes the following specifications:

- Overall length: 13.52 m
- Height of the crane body: 2.9 m
- Height of the counterweight: 3.65 m
- Height of the crawler frame: 2.40 m
- Height of the crawler track: 0.55 m
- Angle of the crawler track: 6° incline
- Weight on front axle: 7,380 kg
- Weight on rear axle: 10,360 kg
- Dimensions of the crawler track: 1.9 m, 2.6 m, 4.6 m, 7.2 m, 6.40 m
- Overall width of crane: 2.40 m

Suitable Low Loader Trailer





Model shown in picture may not be this actual model

On-site materials handling for the 21st Century



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‘The Evolution in Crane Technology’