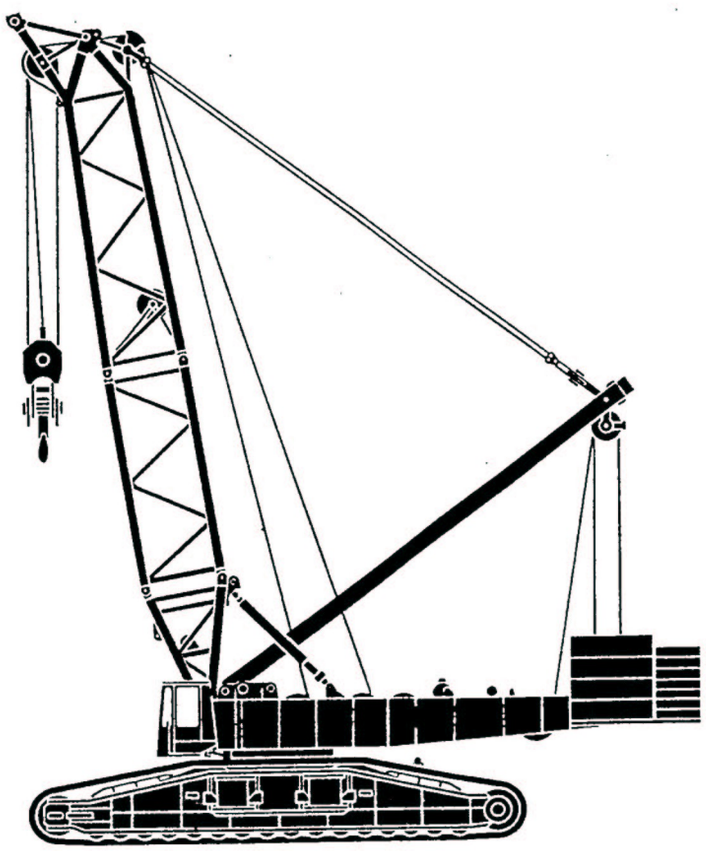
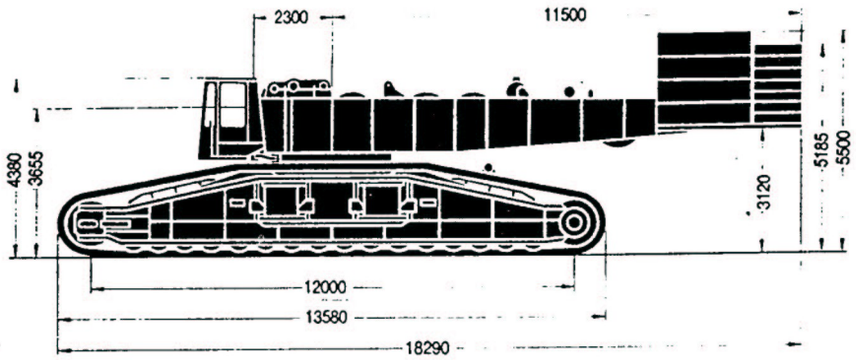
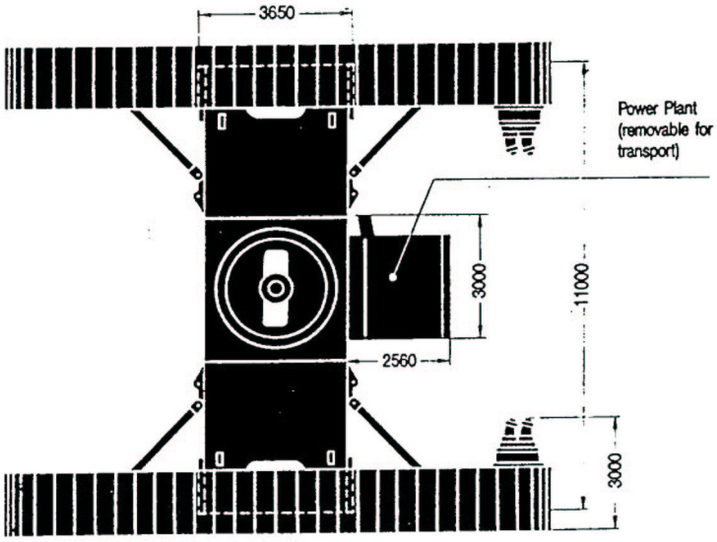
DEMAG CC4000

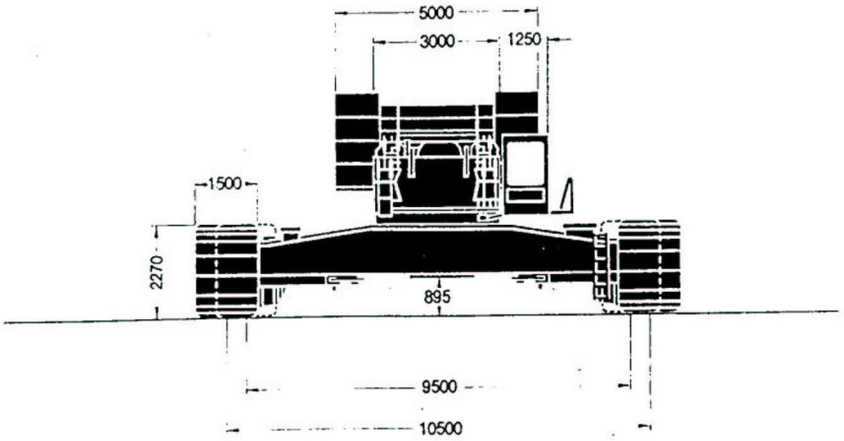


Dimensions

DEMAG CC4000



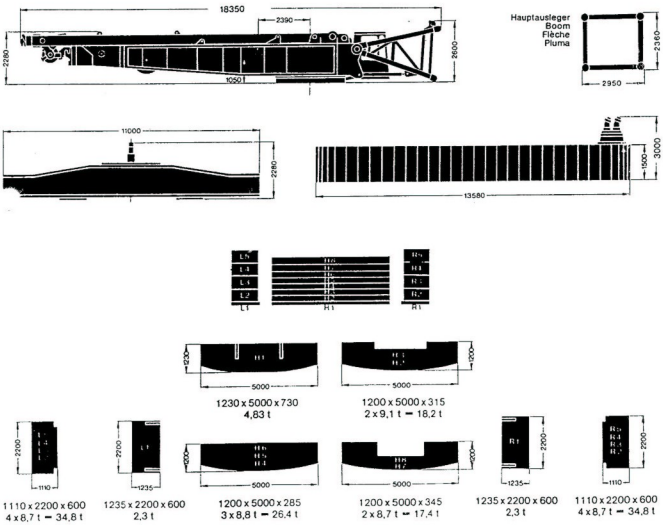




Specifications

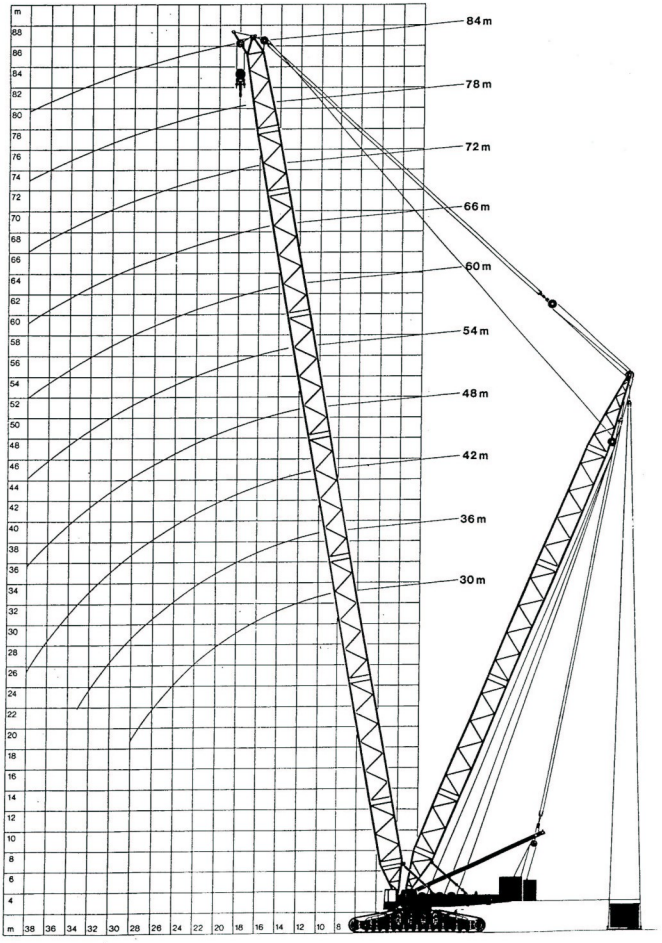
DEMAG CC4000

Weight of Counterweighted Machine with 18 m Boom	425 t
Superstructure (with 4 drums, foot section of boom and mast gantry)	77,8 t
Carbody	51,5 t
Crawler Side-Frames	2 x 72,3 t
Counterweight	140 t
Ground Pressure (based on a total weight of 425 t)	(1,18 kp/cm²) 11,8 N/m²



Working Ranges of Superlift

DEMAG CC4000



Superlift Capacities

DEMAG CC4000

10.5-m Track, 140-t Counterweight

75% (360º)

Main Boom	Mast Length	Radius	Superlift Counterweight (t)					
			0	50	100	150	200	250
m	m	m	t	t	t	t	t	t
30 with Heavy-Duty Hammer Head	Mast	8.5	*430	*500	*565	*635	*700	*800
		9	*425	*473	*535	*600	*660	*745
		10	*376	*426	*482	*542	*600	*674
		12	*305	*350	*404	*455	*500	*560
		14	*255	*300	*344	*390	*430	*485
	30	16	*219	*257	*300	*342	*378	*426
		18	*191	*224	*260	*300	*335	*378
	Radius	20	*148	*200	*231	*269	*297	*337
		22	*129	*176	*208	*242	*274	*312
		24	*115	*160	*188	*219	*250	*284
	16	26	*103	*146	*173	*201	*230	*262
		28	* 83	*130	*161	*188	*215	–
30 with Universal-Head	Mast	10	376	*426	*482	*500	–	–
		12	305	350	*404	*455	*500	–
		14	255	300	344	390	*430	*485
	30	16	219	253	300	342	*378	*408
		18	173	220	260	300	336	*363
	Radius	20	146	200	231	269	303	327
		22	129	176	208	242	274	297
		24	115	160	188	219	250	265
	16	26	103	146	173	200	230	235
		28	93	130	162	188	192	–
54	Mast	10	*387	*420	*480	*500	–	–
		12	*301	*348	*400	*450	*480	–
		14	252	*292	*340	*388	*428	*460
		16	216	250	*293	*336	*379	*404
	42	18	171	217	256	*295	*310	*359
		20	146	192	228	*264	*300	*323
		22	127	173	205	240	*270	*293
	Radius	24	112	157	185	216	245	*268
		26	100	141	170	197	222	247
		28	90	127	156	181	206	229
	18	30	81	116	143	167	191	212
		34	68	98	124	145	166	185
		36	58	83	110	128	145	162
66	Mast	12	*287	*350	*400	–	–	–
		14	*249	*336	*346	*380	–	–
		16	213	*250	*300	*346	*380	–
		18	182	219	*264	*305	*346	*370
	42	20	146	193	*233	*273	*308	*335
		22	127	174	209	*242	*278	*303
		24	112	156	189	*222	*248	*277
	Radius	26	100	142	172	203	*232	*256
		28	89	130	158	186	*214	*237
	18	30	81	118	146	172	*197	*220
		34	67	100	125	148	171	192
		36	57	85	110	130	150	170
		38	49	75	97	115	134	152
		40	43	67	88	106	122	136
66	Mast	14	*210	*250	*270	–	–	–
		16	183	218	*250	*298	–	–
		18	145	192	*232	*267	–	–
		20	126	171	*210	*244	*256	–
	42	22	110	154	187	*223	*237	–
		24	98	140	170	*205	*224	*244
		26	87	128	157	*185	*213	*236
	Radius	28	79	116	147	*170	*200	*218
		30	72	97	124	147	170	*190
		34	60	83	108	130	149	168
	18	36	52	72	95	115	133	150
		38	47	63	85	103	119	135
		40	40	56	76	91	106	120
		42	35	50	69	84	97	113
		44	31	45	63	76	88	100
72	Mast	16	188	245	–	–	–	–
		18	177	218	*231	–	–	–
		20	150	192	*227	–	–	–
		22	129	171	*210	*223	–	–
	54	24	113	154	*190	*218	–	–
		26	100	140	*174	*210	–	–
		28	89	128	*158	*190	*207	–
	Radius	30	80	118	147	*174	*200	–
		34	66	101	124	147	*179	*188
		36	58	86	108	130	*158	*168
	20	38	47	75	95	115	138	*150
		40	41	66	85	102	123	130
		42	35	58	76	91	112	–
		44	31	52	69	84	96	–
		46	27	47	63	76	85	–
		48	24	41	56	70	75	–
78	Mast	18	156	200	–	–	–	–
		20	148	193	–	–	–	–
		22	140	172	*185	–	–	–
		24	113	155	*180	–	–	–
	54	26	100	140	*175	–	–	–
		28	89	128	*160	*172	–	–
		30	80	116	*147	*168	–	–
	Radius	34	66	99	126	*155	*160	–
		36	55	86	109	*133	*158	–
		38	47	75	96	116	*138	–
	20	40	40	66	85	103	*123	–
		42	35	58	76	92	*113	–
		44	30	52	68	84	96	–
		46	26	46	62	76	85	–
		48	23	41	56	69	75	–
		50	20	36	51	63	69	–
84	Mast	18	*139	*186	–	–	–	–
		20	*131	*173	–	–	–	–
		22	124	168	–	–	–	–
		24	112	154	*164	–	–	–
		26	99	140	*158	–	–	–
	54	28	88	128	*157	–	–	–
		30	79	116	*147	–	–	–
		34	65	99	124	*140	–	–
	Radius	36	55	86	107	*132	–	–
		38	46	75	94	116	*128	–
		40	40	66	84	104	118	–
	20	42	34	58	75	91	108	–
		44	29	52	68	84	96	–
		46	25	46	62	76	85	–
		48	22	41	56	69	75	–
		50	19	36	51	63	69	–
		52	16	32	47	57	62	–

* With 2 hook-blocks (lifting beam optional)

Lifting Capacities on Main Boom

DEMAG CC4000

10.5-m Track, 140-t Counterweight

75% (360°)

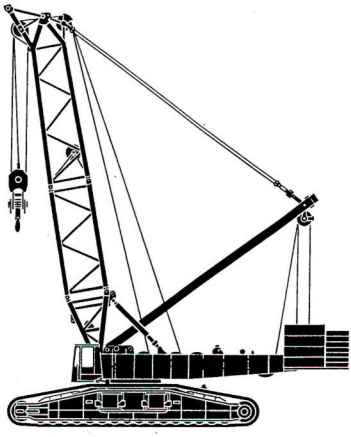
Radius	Length of Main Boom														
	18 m	24 m	30 m	36 m	42 m	48 m	54 m	60 m	66 m	72 m	78 m	84 m	90 m	96 m	102 m
m	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
6	650**	–	–	–	–	–	–	–	–	–	–	–	–	–	–
7	570**	500*	–	–	–	–	–	–	–	–	–	–	–	–	–
8	500*	460*	440*	–	–	–	–	–	–	–	–	–	–	–	–
9	430*	425*	420*	420*	419*	–	–	–	–	–	–	–	–	–	–
10	380	375	375*	373*	371*	370*	360*	314*	–	–	–	–	–	–	–
12	307	305	303	302*	300*	299*	298*	296*	266*	232*	200*	–	–	–	–
14	258	256	254	253	251*	250*	248*	247*	246*	226*	199*	176*	152*	134*	110
16	222	220	218	217	215	214*	212*	211*	210*	208*	198*	174*	151*	132*	110
18	194	192	190	189	188	186	185*	184*	182*	181*	180*	172*	148*	130*	109
20	–	164	163	162	160	160	159	158	157*	156*	155*	155*	145*	128*	108
22	–	144	142	141	140	139	138	137	136	135*	134*	134*	133*	125*	106
24	–	–	126	125	123	122	121	120	119	118	117*	117*	116*	115*	104
26	–	–	113	112	110	109	108	107	106	105	104	103*	103*	102*	101
28	–	–	102	101	99	98	97	96	95	94	93	92	91*	91*	90
30	–	–	–	92	90	89	88	87	86	85	84	83	82	82	81
34	–	–	–	–	76	75	74	72	71	70	69	69	68	67	66
38	–	–	–	–	65	64	63	61	60	59	58	58	57	56	55
42	–	–	–	–	–	56	54	53	52	51	50	49	48	47	46
46	–	–	–	–	–	–	48	46	45	44	43	42	41	40	39
50	–	–	–	–	–	–	–	41	39	38	37	36	35	34	33
54	–	–	–	–	–	–	–	36	35	34	32	31	30	29	28
58	–	–	–	–	–	–	–	–	31	30	28	27	26	25	24
62	–	–	–	–	–	–	–	–	–	26	25	24	22	21	20
66	–	–	–	–	–	–	–	–	–	–	22	21	19	18	17
70	–	–	–	–	–	–	–	–	–	–	19	18	17	15	14
74	–	–	–	–	–	–	–	–	–	–	–	16	14	13	12
78	–	–	–	–	–	–	–	–	–	–	–	–	12	11	10
82	–	–	–	–	–	–	–	–	–	–	–	–	–	9	8

** Only with heavy-duty hammer head and 2 x 400 t hook-block.

* Double hook-block required.

Main-boom capacities for 9.5-m track available on request.

Additional combinations and lifting capacities on request.



Crane Capacity Notes

Gross capacities do not exceed 75% of tipping load and are in conformance with DIN 15019.2 (test load = 125 × lifting load + 0.1 × dead weight of boom reduced to boom point).
The weight of hook block and all other load-handling accessories is considered part of the load, and suitable allowance for them should be made.
Crane with maximum length of boom can still operate safely up to a
Wind Pressure of 60 N/m²
and a Wind Speed of 9,8 m/s
Wind Surface of Load 1 m² /t load
All capacities above the parting lines in the charts depend on a firm level, uniformly supporting surface. Shorter boom lengths and lower capacities apply to sloping positions and travel over uneven ground.
Loads suspended from the Fly Jib are not allowed to be travelled into position, and limitations on boom length must be observed when travelling without a load over uneven ground.
Consult operation manual for further particulars and higher wind speeds.